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SURVEY OF LIFE SCIENCES COMPUTER PROGRAMS

IBRAHIM B. HAMMIDI

With collaboration of

LILLIAM DRESHER
CAROL S. WADE

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FOREWORD

This final technical documentary report prepared at the International Business Machines Corporation, Thomas J. Watson Research Center, P. O. Box 218, Yorktown Heights, New York, covering the period 15 July 1963 through 14 July 1964 is submitted to the Aerospace Medical Research Laboratories, Aerospace Medical Division, Wright-Patterson Air Force Base, Ohio, under contract AF33(657)-11347, and in support of Project No. 7233, "Biological Information Handling Systems and Their Functional Analogs," and Task No. 723305, "Theory of Information Handling." The principal investigator under the contract was Satosi Watanabe and the Air Force program monitor was Hans L. Oestreicher, Chief, Mathematics and Analysis Branch, Biodynamics and Bionics Division, Biophysics Laboratory.

This technical report has been reviewed and is approved.

J. W. HEIM, PhD
Technical Director
Biophysics Laboratory
Aerospace Medical Research Laboratories

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ABSTRACT

A need exists for dissemination of information on the uses of computers in the life sciences. This report attempts to provide the information necessary to locate and request programs or program descriptions and listings. Typical applications in the life sciences are described for general programs on information retrieval, cross-tabulation of data, tests of statistical hypotheses, regression analysis, multivariate analysis, time series analysis, analysis of variance and covariance, mathematical diagnosis, linear programming, simulation, numerical techniques, and matrix algebra. In addition to these general purpose programs, many special purpose programs exist which are applicable within the gamut of research problems. Some specific examples are finding interatomic distances and angles, blood volume analysis, cardiac arrythmia analysis, etc. The Key-Word-in-Context (KWIC) - Index of life sciences computer programs consisting of 1) the Key-Word Index, 2) Author Index, and 3) Code-Name Index is given in the final section of the report.

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SECTION I

INTRODUCTION

Much has already been written on the uses of computers in the life sciences. The breadth of reports and technical articles has been more than sufficient to interest investigators working in scientific environments. The desire to make use of a new technology and a new methodology has been somewhat constrained by the availability of computing centers and more so by the availability of programs. In the last four years, there has been an increase both of biomedically oriented computing centers, some of which are listed in table 1, and of packaged biomedical programs. The communication of the relative availability (explained below) of these programs to the general scientific community has been less successful (BMD and MEDCOMP[1] excepted), for a number of reasons, some of which might be related to the general laxity of programmers properly to document their endeavors and, no less important a reason, to the burden that a center would have to assume in order to distribute and maintain the programs. As a consequence, the average biomedical investigator, limited in resources, has had some difficulty in locating or even being aware of the existence of programs important to his research.

The survey and the Key-Word-in-Context (KWIC) Index of life sciences computer programs, presented here, are an attempt to provide the investigator with the information necessary to locate and request any program or, at the least, an adequate program description and listing. This compilation is concerned with numerical programs only and does not consider library programs for the retrieval of biomedical literature information.

The format used to document the programs and an explanation of the entries in the forms used will be found in Appendix I. Of the many sources contacted, those listed in table 2 have contributed a large group of programs. Some of these programs have been widely distributed for instance, BMD and MEDCOMP.

In Appendix II a list of NIH computer oriented grants has been added to facilitate communication among investigators and users in this field.

1 BMD, MEDCOMP, XTAB, are code names for computer program libraries maintained at the institutions designated in table 2.

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TABLE 1

LIFE SCIENCES COMPUTER CENTERS

ORGANIZATION	PROJECT OFFICER
Aerospace Medical Research Laboratories (MRBAM), Wright Patterson Air Force Base, Ohio	Oestreicher, H. L.
Alabama, University of, Birmingham, Alabama	Jamison, H. C.
Arkansas, University of, Little Rock, Arkansas	Barnhard, H. J.
California, University of, Los Angeles, California	Dixon, W. J.
Central Institute for the Deaf, St. Louis, Missouri	Cox, J. R.
Chicago, University of, Chicago, Illinois	Meier, P.
Cincinnati, University of, College of Medicine, Cincinnati, Ohio	Sterling, T. D.
Clark University, Worcester, Massachusetts	Stubbe, J. S.
Colorado, University of, Medical Center, Denver Colorado	Eisele, C. W.
Fels Research Institute, Yellow Springs, Ohio	Sontag, L. W.
Harvard University, Cambridge, Massachusetts	Bartholomay, A. F.
Johns Hopkins University, Baltimore, Maryland	Shepard, R. H.
Massachusetts Institute of Technology, Cambridge, Massachusetts	Barnett, M. P.
Mayo Association, Rochester, Minnesota	Ackerman, E.
Medical College of Virginia, Richmond, Virginia	Ham, W. T.
Memorial Hospital for Cancer and Allied Diseases, New York, New York	Laughlin, J. S.
New Mexico Highlands University, Las Vegas, New Mexico	McConnon, M.
New York, State University of, Buffalo, New York	Ewell, R.
New York University, New York, New York	Cady, L. D. Woodbury, M. A.
North Carolina, University of, Chapel Hill, North Carolina	Mason, D. D.
Oklahoma, University of, Oklahoma City, Oklahoma	Schottstaedt, W. W.
Pennsylvania, University of, Philadelphia, Pennsylvania	Garfinkel, D.
School of Aviation Medicine, USAF, Brooks Air Force Base, Texas	Danford, B. M.
Seton Hall University, Medical Center, South Orange, New Jersey	Lynch, F. L.
Texas, University of, Postgraduate School of Medicine, Houston, Texas	Mountain, C. F. Taylor, G.
Tulane University, New Orleans, Louisiana	Sweeney, J. W.
Utah, University of, Salt Lake City, Utah	Warner, H. R.
Western Reserve University, Cleveland, Ohio	Badgen, G. F.

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TABLE 2

LIFE SCIENCES COMPUTER PROGRAM LIBRARIES

Biological Sciences Computation Center, University of Chicago, Chicago, Illinois
College of Education, University of Texas, Austin, Texas
Computation Center, University of Michigan, Ann Arbor, Michigan
Computer Center, Washington University, St. Louis, Missouri
Health Sciences Computing Facility, School of Medicine, University of California at Los Angeles (BMD), Los Angeles, Calif.
Health Sciences Computing Facility, School of Medicine, University of California at Los Angeles (XTAB), Los Angeles, Calif.
Medical Computing Center, College of Medicine, University of Cincinnati (MEDCOMP), Cincinnati, Ohio
National Institutes of Health Library
Research Computation Center, University of Texas, Medical Branch, Galveston, Texas
University of Illinois (ILLIAC Statistical Library), Urbana, Illinois

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SECTION II

GENERAL REVIEW OF LIFE SCIENCES COMPUTER PROGRAMS

The programs described below are basically general codes that have been used on many different biological applications. Mostly statistical in nature, they are basically suited to the investigator who is ordering, analyzing and classifying information collected in the laboratory, hospital ward, from psychological tests, and so on. There are programs on information retrieval, cross-tabulation of data, tests of statistical hypotheses, regression analysis, multivariate analysis, time series analysis, analysis of variance and covariance, mathematical diagnosis, linear programming, simulation, numerical techniques, matrix algebra, etc.

Information retrieval techniques are frequently oriented toward the unit record approach (sorters, statistical sorters, collators) using either the so-called look-up principle (where document numbers are listed under key word headings and retrieval is made by referring to the record for each key word stated in the query and comparing these key word records for matching document numbers) or the search principle (where key words are listed under document numbers and retrieval is made by comparing key words of the query against the key words on each document record). These techniques are well known, well documented by users, computer manufacturers and no particular effort was made in this survey to gather information on these applications. Some of those reported include a program to retrieve death records for any combination of selected courses of death and patient characteristics and another program which searches a three-card descriptor of articles in order to prepare a bibliography with one to six requirements for inclusion. National Institute of Health (NIH) supported information retrieval projects (table 3) include bibliographic research in psychopharmacology, analysis of medical classifications, documentation of communicable disease literature, etc. The problem of the automatic preparation of medical records in medical institutions and the control of and access to medical information is part of a number of studies related to hospital communication systems, some of which are listed in table 4.

Cross-tabulation programs are useful for pre-editing data collected, in most cases, over a number of years and whose characteristics may be important prior to attempting the use of statistical techniques such as regression and multivariate analysis. These programs plot or compute some of the following: range of data, highs and lows, scattergrams, histogram generation, frequency distributions, basic statistical characteristics of distributions such as means, standard deviations, confidence limits, plotting, classifications of variables

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TABLE 3

NIH-SUPPORTED INFORMATION RETRIEVAL STUDIES

ORGANIZATION	INVESTIGATOR
American Chemical Society, Columbus, Ohio	Dyson, G. M.
American Institute of Biological Sciences, Washington, D. C.	Shilling, C. W.
Brown University, Providence, Rhode Island	Kingsland, L. C.
California, University of, Los Angeles, California	Lamson, B. G.
Commission on Professional and Hospital Activities, Inc., Ann Arbor, Michigan	Kincaid, W. H.
Institute for the Advancement of Medical Communications, New York, New York	Orr, R. H.
Institute for Scientific Information, Inc., Philadelphia, Pennsylvania	Garfield, E.
Massachusetts Mental Health Research Corporation, Boston, Massachusetts	Geller, M. R.
Pittsburgh, University of, Pittsburgh, Pennsylvania	Horty, J. F.
Tulane University, New Orleans, Louisiana	Schenthal, J. E.
Western Reserve University, Cleveland, Ohio	Kent, A.
Yale University, New Haven, Connecticut	Henderson, V. A. Raisig, L. M.
Zator Company, Cambridge, Massachusetts	Mooers, C. N. Solomonoff, R. J.

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TABLE 4

HOSPITAL INFORMATION STUDIES

ORGANIZATION	INVESTIGATOR
Brown University, Providence, Rhode Island	Kingsland, L. C.
Camarillo State Hospital, Camarillo, California	Graetz, R. E.
Case Institute of Technology, Cleveland, Ohio	Camp, G. D.
Johns Hopkins Hospital, Baltimore, Maryland	Flagle, C. D.
Memorial Hospital of Long Beach, Long Beach, California	Lake, R. L.
Stanford Research Institute, Menlo Park, California	Blumberg, M. S.

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into intervals and computation of statistical measures, percentile computations, cross-classification of variables (one-way , two-way and three-way cross-tabulations with frequencies, histograms, means standard deviations and Chi-square) and various other summary statistics. MEDCOMP (University of Cincinnati) and XTAB (UCLA, Massey) have a number of programs that fall into this category.

Regression analysis techniques are commonly used in most biomedical centers and programs of various flexibility and generality exist. Frequently, these programs will allow a transformation or a transgeneration of the original variables. It is thus possible to obtain trigonometric, logarithmic, algebraic, inverse trigonometric and exponential function transformations. Simple linear regression programs are available accepting a maximum of two independent variables up to 130 independent variables, with intermediate programs handling 6 to 100 independent variables. Other types of regression programs include polynomial regression (up to a 19th degree polynomial), periodic and harmonic regression (up to the 9th harmonic), asymptotic regression (Logistic and Gompertz curves), exponential (maximum likelihood criteria) and double exponential regression, stepwise regression (where at each regression step, that variable which makes the greatest reduction in the error sum of squares is added to the previous variables), surface plane fitting, non-linear regression (by a modified Gaussian procedure), non-linear estimation (variable metric method) and so on. Some of the regression programs have multiple outputs including means, standard deviations, correlation and covariance matrix, analysis of variance of regressions, partial correlations, residuals, etc.

Correlation programs include such outputs as Pearson's product moment correlation, using complete or incomplete data; multiple correlation coefficients; tetrachoric correlation coefficients, which are measures of the linear association between two variables when both are dichotomized; biserial correlations, where one variable is quantitatively measured while the other is dichotomized; and so on.

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These programs are widely used in psychology and the biological sciences.

Another set of programs is used in the statistical tests of hypotheses: Chi-square, which tests whether the observed frequencies in a distribution differ significantly from the frequencies which might be expected; T-test, which tests the significance of the difference between two means; F-test to test the significance of sample variances; Scheffe test to compare individual means in the analysis of variance; Marshall test which tests the hypothesis that one of two random variables is stochastically larger than the other; Bartlett test, which tests whether two or more variances differ significantly from each other; Fisher's Z transformation to test the significance of the differences between correlations; and so on.

Multivariate analysis programs, frequently used in the behavioral sciences, make up a large category. Factor analysis, a statistical procedure whose purpose is to express the original variables in terms of a smaller set of independent variables called factors, has been widely used. One program performs a principal component solution and a varimax (Kaiser, 1959) rotation of the factor matrix (up to 80 variables). Other real or complex factor analysis programs perform a principal axis analysis using a Quartimax (Neuhaus & Wrigley, 1954), an Oblimax (Saunders, 1961) or a Maxplane (Cattell & Muerle, 1960) rotation criterion. The number of variables ranges from 40 to 155 and the number factors from 10 to 30. Canonical Analysis, developed by Hotelling (1935, 1936), is a procedure used to correlate two sets of variables. Both multiple criteria and multiple predictors are used in the analysis; for example, in the comparison of different batteries of vocational interest (up to 100 variates and 26 variables). There are discriminant analysis programs regarding group memberships, probabilities of membership in each group; taxonomic optimization programs which use a maximization of the covariance among the variables as a criterion of classification (up to 125 cases, 235 attributes per case); hierarchical grouping analysis programs based on distances in the test space; and so on. There are item analysis and test scoring programs (up to 600 item choices and 100,000 subjects); pattern analytic methods, used also in psychology, include profile analysis programs (up to 66 questions and 10,000 participants) and agreement analysis programs, a subset of configural analysis, used for the analysis of patterns of behavior. Results of agreement analysis programs would include: agreement scores, ranked agreement scores, highest agreement score among persons of a population, etc. Programs also exist on Guttman Scale Analysis used in the study of attitudes, opinions, symptoms (program assigns proper weight to the given data on variables, ranks

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the cases and assigns a Guttman Scale score for each case); and Probit analysis for response bio-array data (program computes the maximum likelihood solution of the dosage response curve, covariance matrix, Chi-square, etc.).

Analysis of variance programs, important in experimental and factorial design, are many (2, 3 and 4-way analysis of variance). Number of factors ranges from 8 to 100 with various numbers of levels, and equal or unequal number of observations in the cells.

Time Series Analysis is used both in psychology and in the analysis of stationary, ergodic, random signals (electroencephalograph (EEG)). A number of techniques are used: Auto-correlation (up to 795 observations); Auto covariance and Cross-spectral analyses; trend corrected auto and cross correlation analysis; frequency analysis of correlogram functions; amplitude and phase analysis; period analysis (including frequency count of base line crossings and zero crossings of first derivative); Fourier series curve fitting to periodic functions and so on.

Linear programming codes have been used in primary protein structure determination; analysis of spectrographic data, by minimization of the rms error; and blood chemistry simulation. Mathematical diagnosis is represented by a number of programs using conditional probability (Warner: 50 symptoms and 33 diseases; Bruce: 400 symptoms and 40 diseases; Overall: 21 symptoms, 3 diseases; Gustafson) for the diagnosis of congenital heart disease, and thyroid function. Regression analysis was used (14 independent variables) for the diagnosis of coronary artery disease (Ward) and by matching significant characteristics, Lipkin, et al. used a program in the differential analysis of hematological diseases. Clustering (Bonner), taxonomy and pattern recognition (electrocardiograph (EKG) interpretation) programs have also been reported.

A set of programs on matrix manipulations is also included in this survey. These are matrix inversion programs, real and complex matrix multiplication, determinant evaluation, etc.

Almost all of the programs reviewed above are general purpose in the sense that they can be used on a variety of biological problems. Special programs are as varied as scientific research itself. A sampling of these programs would include: sample analysis of radioactive isotope detection, radiation treatment planning, radiation distribution of implants, specific programs to find such things as interatomic distances and angles, absorption factors for a crystal ground as an ellipsoid of revolution, blood volume analysis, neutron activation analysis, cardiac arrythmia analysis and so on.

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SECTION III

KWIC-INDEX ON LIFE SCIENCES COMPUTER PROGRAMS

Explanation For Use

1. This KWIC-index assigns a nine-letter code name to each computer program. The first six letters derived from the (first co-) author's name, and the last three letters derive from the title of the program.

2. If more than one program receives the same code-name by the above method, a two-digit number is inserted between the first group of six letters and the second group of three letters to distinguish different programs.

3. This KWIC-index consists of three parts. Part A: Key-Word Index, Part B: Author Index and Part C: Code-Name Index.

4. The Code-Name Index gives (i) the author, (ii) the address or the instruction, (iii) the program library if the program belongs to one (iv) the program code-number, if any, (v) the title, followed by an equal sign. After the equal sign, the nature of the program is briefly explained. "3A" gives a general mathematical description. "3B" determines the limitations. "4" indicates the application. "5" specifies the computer configuration. "6" gives the source from which the program or its explanation can be obtained. For more details, see Section II, of this report.

5. Example:

BRAUML - - SDA Braunstein ML

Sequential Dependencies Analysis to Measure Redundancies in Sequences of Stimuli Responses. =

(5) IBM 704 FORTRAN II (6) Photoduplication Svce. Lc. Wash DC DOC 6720

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PART A

KEY-WORD INDEX

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PROGRAM TO CCMPUTE THE	ABSCISSA FROM THE AREA OR DERIVATIVE	DEPTHE-68-GNN
UND AS AN + ICR NO 10 '	ABSORPTION FACTORS FOR A CRYSTAL GRO	PATTAL- -INA
ZO BSC	AC PEDIATRIC CORRELATION PH 1.=	MEIEP - -ZBA
TRIGONOMETRIC FUNCTIONS	ACCORDING TO BRAGG'S LAW FOR THE	PARNBL- -TFA
(REACTOR ISOTOPE	ACCOUNT)--THE PROGRAM PREPARES YEAR	OGBORE- -SSR
ISOTOPE	ACCOUNTABILITY.=	OGBORE- -IA
ANALYSIS.= G2-HADF-	ACSASM AUTOCORRELATION AND SPECTRAL	DEPTHE- -GHA
GRAM TO COMPUTE FALLOUT	ACTIVITY IN AN AIR SAMPLE.= + PRO	OGBORE- -ABA
ACTIVITY OR SAMPLE	ACTIVITY OF A SAMPLE OR THE NEUTRON	OGBORE- -SSA
PROGRAM TO DETERMINE	ACTIVITY OF NEURON IRRADIATED SAMPLE	OGBORE- -SAV
RECORD --COMPUTES	ACTIVITY OF SAMPLE, PRODUCED AND	OGBORE- -RCI
SATURATION, SPECIFIC	ACTIVITY OR SAMPLE ACTIVITY OF A	OGBORE- -SSA
PREPARES YEAR TOTAL OF	ACTIVITY PER ELEMENT.= + PROGRAM	OGBORE- -SSR
ACTIVITY, FLUX, SAMPLE	ACTIVITY--THE PROGRAM DETERMINES	OGBORE- -SSA
PROGRAM TO DETER+SAMPLE	ACTIVITY--VARIABLE TIME--A COMPUTER	OGBORE- -SAV
SATURATION, SPECIFIC	ACTIVITY, FLUX, SAMPLE ACTIVITY--THE	OGBORE- -SSA
C FO2 SURVIVAL TABLES (	ACTUARIAL METHOD).= GO UO	MEIEP -09-GUF
C-BIN SURVIVAL TABLES (	ACTUARIAL METHOD).= GO-UO	MEIEP - -GUB
=	ACTUARIAL SURVIVAL RATE COMPUTATION.	PARNBL- -ASR
AL SPECTRA TO + SPECTRA	ADDER--A PROGRAM WHICH ADDS INDIVIDU	OGBORE- -SAP
ADDER--A PROGRAM WHICH	ADDS INDIVIDUAL SPECTRA TO CREATE A	OGBORE- -SAP
ALYSIS OF VARIANCE COV.	ADJUST.=+HED FO2 TWO TO THREE WAY AN	MEIEP -04-GHF
EXPLORATION OF FAMILIAR	AGGREGATIONS OF DISEASE.= + FOR THE	FRAN - -TPP
RAM THAT COMPUTES JOINT	AGREEMENT PATTERNS.=+ FORM G, A PROG	DICKKW- -KAP
M THAT COMPU+KSL 2.93--	AGREEMENT PATTERNS, FORM G, A PROGRA	DICKKW- -KAP
GRAM FINDS + KSL 2.94--	AGREEMENT PATTERNS, FORM H, THIS PRO	DICKKW-01-KAP
FINDS THE HIGHEST	AGREEMENT SCORE AMONG ALL THE PERSON	DICKKW-01-KAP
AND PRINT A MATRIX OF	AGREEMENT SCORES AMONG A SET OF	DICKKW- -KAS
THAT WILL + KSL 2.90--	AGREEMENT SCORES, FORM A, A PROGRAM	DICKKW- -KAS
WHICH +KSL 2.91--RANKED	AGREEMENT SCORES, FORM F, A PROGRAM	DICKKW- -KRA
ILL PRINT ONLY THE HIGH	AGREEMENTS PER PERSON.= + WHICH W	DICKKW- -KRA
C COMPUTE FALLOUT ACTI+	AIR BACKGROUND ANALYSIS--A PROGRAM T	OGBORE- -ABA
FALLOUT ACTIVITY IN AN	AIR SAMPLE.= + PROGRAM TO COMPUTE	OGBORE- -ABA
A CRYSTAL GROUND AS AN	ALLIPSOID OF REVOLUTION'.= + FOR	PATTAL- -INA
BM001T	AMPLITUDE AND PHASE ANALYSIS.=	DIXOWJ- -BTA
TWO INDEPENDENT FACTOR	ANALYSES.= + OF FACTOR-VECTORS FROM	VELDDJ- -MPC
PRINCIPAL AXIS FACTOR	ANALYSIS (C) ORTHOGONAL VARIMAX	VELDDJ- -FPP
G2 UCM PROBIT	ANALYSIS (DUMMY).=	MEIEP - -GUP
VARIANCE	ANALYSIS (FROM UCRBL 0014).=	OGBORE- -VAU
G2-NIH-NIH020G FACTOR	ANALYSIS (MAXIMUM LIKELIHOOD METHOD)	DEPTHE-01-GNN
02 PRINCIPAL COMPONENTS	ANALYSIS (RAW SCORES).= F2 HED F	MEIEP -03-FHF
FACTOR	ANALYSIS (REAL OR COMPLEX).=	ROSEG - -FAR
D).= BLOOD VOLUME	ANALYSIS (SIMULTANEOUS ISOTOPE METHO	LANGS - -BVA
EXPERIMENTAL REGRESSION	ANALYSIS (STEPWISE CONDENSATION.=	HAMBRL- -XER

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G2 UCM MIX CORRELATION	ANALYSIS	(WITH PLOT).=	MEIEP -05-GUM
TEST ANALYSIS ITEM	ANALYSIS	AND FACTOR ANALYSIS AND	WOLFR - -TPT
PROGRAM FOR CORRELATION	ANALYSIS	AND GENERAL MULTIPLE REGRES	HOFFPJ- -PCA
TEM ANALYSIS AND FACTOR	ANALYSIS	AND ROTATION.= + ANALYSIS I	WOLFR - -TPT
COMPONENT FACTOR	ANALYSIS	AND VARIMAX ROTATION ON A	DEPTHE- -GNN
HIERARCHIAL GROUPING	ANALYSIS	BASED ON DISTANCES IN TEST	VELDDJ- -GPW
02 PRINCIPAL COMPONENTS	ANALYSIS	CORR OR DISPER MATRIX.= + F	MEIEP -02-FHF
M +BMD05M, DISCRIMINANT	ANALYSIS	FOR SEVERAL GROUPS A PROGRA	DIXOWJ-01-BMD
BMD04M, DISCRIMINANT	ANALYSIS	FOR TWO GROUPS, A PROGRAM	DIXOWJ- -BMD
FOR TEST SCORING TEST	ANALYSIS	ITEM ANALYSIS AND FACTOR	WOLFR - -TPT
RESSION AND CORRELATION	ANALYSIS	NC.= + MULTIPLE REG	MEIEP -19-GUF
G3 UCM MIX TIME SERIES	ANALYSIS	NO 1.=	MEIEP -01-GUM
G3 UCM MIX TIME SERIES	ANALYSIS	NO 2.=	MEIEP - -GUM
IGITAL COMPUTER.=	ANALYSIS	OF A PHONOCARDIOGRAM BY A D	HOFLJJ- -APD
TO LINEAR REGRESSION	ANALYSIS	OF ALL COMBINATIONS OF	OGBORE- -ELR
ABLES+LINEAR REGRESSION	ANALYSIS	OF ALL COMBINATIONS OF VARI	OGBORE- -LRA
ZING THE SETAR MARK+THE	ANALYSIS	OF CARDIAC ARRHYTHMIA UTILI	BLACCR- -ACA
FREQUENCY	ANALYSIS	OF CORRELOGRAM FUNCTIONS.=	OVERJE- -FAC
DESIGN.= BMD03V,	ANALYSIS	OF COVARIANCE FOR FACTORIAL	DIXOWJ- -BVA
MULTIGROUP +1MP018--AN	ANALYSIS	OF COVARIANCE PROGRAM FOR A	STERT - -MAC
AN	ANALYSIS	OF COVARIANCE PROGRAM.=	U OFOF- -ACP
COVARIATES.= BMD04V,	ANALYSIS	OF COVARIANCE WITH MULTIPLE	DIXOWJ-01-BVA
G4 UCM MIX	ANALYSIS	OF COVARIANCE.=	MEIEP -03-GUM
G4 UCM FOR	ANALYSIS	OF COVARIANCE.=	MEIEP -11-GUA
SIMPLE ONE-WAY	ANALYSIS	OF COVARIANCE.=	OVERJE- -SOW
TO BRAGG'S LAW FOR THE	ANALYSIS	OF CRYSTAL STRUCTURES.=	PARNBL- -TFA
TECHNIQUES IN COMPUTER	ANALYSIS	OF EEG RECORDS IN THE CAT.=	ADEYWR- -APD
MEANS OF RANDOMIZATION+	ANALYSIS	OF EXPERIMENTAL DESIGNS BY	BAKEFB- -AED
AND CROSS CORRELATION	ANALYSIS	OF MULTIPLE TIME SERIES.	OVERJE- -ACC
STATIS (STATISTICAL	ANALYSIS	OF PERIOD ANALYSIS).=	KIRK - -SSA
OUT A TRANSPOSED FACTOR	ANALYSIS	OF PERSONS, RATHER THAN OF	VELDDJ- -TPC
I-SQUARE TEST+FREQUENCY	ANALYSIS	OF QUALITATIVE DATA WITH CH	OVERJE- -FAQ
SINGLE TREATMENT+PROBIT	ANALYSIS	OF QUANTAL BIOASSAY WITH A	SULZES- -PAQ
BY A QUALITATIVE	ANALYSIS	OF SAMPLES (WATER, MILK	CARLJP- -IDP
PROGRAM FOR INFORMATION	ANALYSIS	OF SEQUENTIAL DEPENDENCIES.	MCKIJ - -PIA
COMPUTER	ANALYSIS	OF SPECTROGRAPHIC DATA.=	WILKT - -CAS
SPECTRAL DENSITY	ANALYSIS	OF TIME SERIES.=	OVERJE- -SDA
TWIN II-A STATISTICAL	ANALYSIS	OF TWINNING PROGRAM.=	CARLJP- -TIS
=	ANALYSIS	OF VARIANCE AND COVARIANCE.	PR LLI- -AVC
ED FO2 TWO TO THREE WAY	ANALYSIS	OF VARIANCE COV. ADJUST.=+H	MEIEP -04-GHF
PROGRAM TO DEVELOP THE	ANALYSIS	OF VARIANCE FOR A REPLICATE	STERT -01-MPD
ESIGN.= BMD02V,	ANALYSIS	OF VARIANCE FOR FACTORIAL D	DIXOWJ-02-BVA
TE CELL FREQU+THREE-WAY	ANALYSIS	OF VARIANCE FOR PROPORTIONA	OVERJE-01-TWA
TE CELL FREQUEN+TWO-WAY	ANALYSIS	OF VARIANCE FOR PROPORTIONA	OVERJE-02-TWA
DISPROPORTIONA+TWO-WAY	ANALYSIS	OF VARIANCE FOR UNEQUAL AND	OVERJE- -TWA
G4 UCM MIX	ANALYSIS	OF VARIANCE NO 2.=	MEIEP -04-GUM
G4 UCM MIX	ANALYSIS	OF VARIANCE NO1.=	MEIEP -02-GUM
MPUTES +1MP005--ONE WAY	ANALYSIS	OF VARIANCE PROGRAM THAT CO	STERT - -MOW
ANVA4--A 4-WAY	ANALYSIS	OF VARIANCE PROGRAM.=	SAKOJM- -AWA
REANOVA--AN	ANALYSIS	OF VARIANCE PROGRAM.=	VELDDJ- -RAV
-NIH-NIH018G--A ONE WAY	ANALYSIS	OF VARIANCE PROGRAM.= G4	DEPTHE-12-GNN
PROGRAM TO COMPUTE AN	ANALYSIS	OF VARIANCE TABLE, FOR ONE	DIXOWJ- -BVM
T REPLI+1MP009--A 3 WAY	ANALYSIS	OF VARIANCE WITH AND WITHOU	STERT - -MWA
EASUR+A PROGRAM FOR THE	ANALYSIS	OF VARIANCE WITH REPEATED M	HARTDL- -PAV

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N AND + IMPC28--3 WAY	ANALYSIS OF VARIANCE WITH REPLICATIO	STERT -01-MWA
A PROGRAM FOR GENERAL	ANALYSIS OF VARIANCE.=	DICKAW- -PGA
TCHS1-ONE-FACTOR	ANALYSIS OF VARIANCE.=	FRAN - -TOF
	ANALYSIS OF VARIANCE.=	MCKIRE- -AV
	ANALYSIS OF VARIANCE.=	MEDICO- -AV
ONE-WAY	ANALYSIS OF VARIANCE.=	OVERJE- -DWA
A PROGRAM FOR	ANALYSIS OF VARIANCE.=	STOCFD- -PAV
LE FOR REPLICATED 2 WAY	ANALYSIS OF VARIANCE.= + SUMMARY TAB	STERT - -MPC
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-BY-TWO TABLES.=	CHI-SQUARE WITH YATES CORRECTION TWO	MCMACA- -CSY
G1-UCM-F02--GENERAL	CHI-SQUARE.=	MEIEP - -GUF
CM AND THE VALUE OF THE	CHI-SQUARE.= + OF DEGREES OF FREED	SULZES- -PCO
STANDARD DEVIATIONS AND	CHI-SQUARE.= + COMPUTE FREQUENCIES,	MASSFJ-01-XTW
LATION (WITH CR WITHOUT	CHI-SQUARE).= CROSS-TABU	ROSEG - -CTO
THE ORDINATE OF THE	CHI-SQUARED DISTRIBUTION GIVEN THE	SULZES- -PCO
TEST OR THE CLASSICAL	CHI-SQUARED TEST ON A FOUR FOLDTABLE	SULZES- -PFS
DIFFER SIGNIFICANTLY (	CHI-SQUARED).=+TWO OR MORE VARIANCES	STERT - -MQB
FUNCTION SCORES,	CHI-SQUARES REGARDING GROUP MEMBERSH	VELDDJ- -GPP
AND PERCENTAGE TABLES,	CHI-SQUARES, CONTINGENCY COEFFICIENT	DIXOWJ- -BSC
TION PROGRAM USING UNIT	CLASS INTERVALS.= + COUNT DISTRIBU	SAKOJM- -CFC
VARIABLE FALLING INTO 3	CLASSES.= + PERCENTS OF CASES OF A	MASSFJ- -XHL
OF FISHER'S TEST OR THE	CLASSICAL CHI-SQUARED TEST ON A	SULZES- -PFS
M.= A GENERAL CROSS	CLASSIFICATION AND TABULATING PROGRA	BONARR- -GCC
XCLAS-A GENERA CROSS	CLASSIFICATION PROGRAM WHICH CROSS-	SAKOJM- -XGC
IMIZATION PROCEDURE AND	CLASSIFICATION PROGRAM.= + OPT	LINGJC- -TOP
XTAB61, A CROSS	CLASSIFICATION TABLES PROGRAM.=	MASSFJ-01-XCC
SINGLE VARIABLE OF	CLASSIFICATION.=	MCMACA- -SVC
PROFILE CORRELATION	CLASSIFICATION.=	OVERJE- -PCC
IDIAN DISTANCE FUNCTION	CLASSIFICATION.= EUCL	OVERJE- -EDF
PROBABILITY DIAGNOSTIC	CLASSIFICATION.= + CONDITIONAL	OVERJE- -BCP
CT MULTIVARIATE PROFILE	CLASSIFICATION.= + VECTOR PRODU	OVERJE- -NVP
XIMIZING PREDICTION AND	CLASSIFICATION.= A PROGRAM FOR MA	LINGJC- -PMP
S.= TWO VARIABLES OF	CLASSIFICATION, REPEATED MEASUREMENT	MCMACA-01-TVC
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BY FINDING	CLEAR PEAK RATIOS AND STRIPPING	OGBORE-01-MDS
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TINE THAT COMPUTES CORR	COEFF.=# A ZERO CELL CORRELATION ROU	SAKOJM- -ZCZ
PAIRWISE PEARSON-R CORR	COEFF.=+ PROGRAM WHICH COMPUTES ALL	NICHHC- -IPW
THE REGRESSION	COEFFICIENT AND CORRELATION COEFFICI	OGBORE- -ELR
--A PROGRAM WHIC+MATRIX	COEFFICIENT AND MASS RATIO GENERATOR	OGBORE- -MCM
XTAB 81, A CORRELATION	COEFFICIENT PROGRAM (SIMPLE AND	MASSFJ- -XCC
FICIENT AND CORRELATION	COEFFICIENT.= + THE REGRESSION COEF	OGBORE- -ELR
WHICH PREPARES MATRIX	COEFFICIENTS AND MASS RATIOS FOR	OGBORE- -MCM
CONTINGENCY	COEFFICIENTS AND MAX LIKELIHOOD	DIXOWJ- -BSC
THAT COMPUTES THE	COEFFICIENTS FOR ASYMMETRICAL PAIRED	STERT - -MCC
BISERIAL CORRELATION	COEFFICIENTS FOR DISCRETE, BISTABLE	STERT -01-MPT
HC+1MP002 A CORRELATION	COEFFICIENTS PROGRAM THAT COMPUTES T	STERT - -MCC
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TCHS 4 CORRELATION	COEFFICIENTS.=	FRAN - -TCC
DUCT MOMENT CORRELATION	COEFFICIENTS.= + TO CALCULATE PRO	SAKOJM- -CPC
IED PARTIAL CORRELATION	COEFFICIENTS.= + TO COMPUTE SPECIF	FRAN -01-TPC
TE MULTIPLE CORRELATION	COEFFICIENTS.= + A PROGRAM TO COMPU	VELDDJ- -RPC

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ES MULTIPLE CORRELATION	COEFFICIENTS.=+ PROGRAM WHICH COMPUT	NICHHC- -MCP
SIMPLE CORRELATION	COEFFICIENTS, AVERAGES AND MEASURES	DIXOWJ- -BDC
G PROGRAM.=	COFIT, A LEAST SQUARES COSINE FITTIN	ANDEBL- -CLS
PRINTS PATTERNS OF ONE-	COLUMN DATA AND ITEM NUMBERS OR	DIXOWJ-01-BDD
MEET SPECIFIED ROW AND	COLUMN RESTRICTIONS.= + WHO	MASSFJ-01-XST
FACTOR MULTIPLIER, 7	COLUMN.=	OGBORE- -FMC
TABLES FOR ALL POSSIBLE	COMBINATIONS OF CONTROL VARIABLES.=	SAKOJM- -TTS
OF ANGLES BETWEEN ALL	COMBINATIONS OF FACTOR-VECTORS FROM	VELDDJ- -MPC
BETWEEN ALL LINEAR	COMBINATIONS OF TWO SETS OF STATISTI	DEPTHE-17-GNN
ANALYSIS OF ALL	COMBINATIONS OF VARIABLES PROGRAM.	OGBORE- -ELR
RESSION ANALYSIS OF ALL	COMBINATIONS OF VARIABLES.= + REG	OGBORE- -LRA
REGRESSION WITH CASE	COMBINATIONS, A PROGRAM THAT PERFORM	DIXOWJ- -BRM
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PROGRAM TO OBTAIN	COMPARABLY LOCATED AND DISPERSED	VELDDJ- -SPO
STANDARD DEVIATION, AND	COMPARES EACH SAMPLE AGAINST PLUS	OGBORE- -TST
WEEN AND WITHIN GROUPS,	COMPARES WITH F-TEST.=+ VARIANCE BET	STERT - -MOW
A PROGRAM	COMPARISON OF MEANS (SCHEFFE TEST).=	SMITWN- -PCM
TION MEAN WHEN THE +	COMPARISON OF SAMPLE MEAN AND POPULA	MCMACA- -CSM
PROGRAM FOR PAIRED	COMPARISONS FROM BALANCED INCOMPLETE	GULLH - -BPP
C REGRESSION (LOGISTIC,	COMPERTZ, ETC).= + ASYMPTOTI	MEIEP -17-GUF
DISTAT, A PROGRAM TO	COMPILE DISTRIBUTION STATISTICS.=	OGBORE- -DPC
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WHICH PERFORMS A	COMPLETE HIERARCHIAL GROUPING ANALYS	VELDDJ- -GPW
VS INVERSION OF REAL OR	COMPLEX MATRICES.= F4-HADM-NAIN	DEPTHE-02-FHN
ETERMINANTS OF REAL AND	COMPLEX MATRICES.= + TO EVALUATE D	DEPTHE-01-FHN
F1-HADM-NAMULT REAL AND	COMPLEX MATRIX MULTIPLICATION.=	DEPTHE- -FHN
ACTOR ANALYSIS (REAL OR	COMPLEX).= F	ROSEG - -FAR
ISE REGRESSION (REAL OR	COMPLEX).= STEPW	ROSEG - -SRR
G2 UCM FO2	COMPONENT ANALYSIS.=	MEIEP -07-GUF
PUTES+BMD01M, PRINCIPAL	COMPONENT ANALYSIS, PROGRAM THAT COM	DIXOWJ- -BMP
M.= A PRINCIPAL	COMPONENT AND FACTOR ANALYSIS PROGRA	STEIFE- -PCF
TO PERFORM A PRINCIPLE	COMPONENT FACTOR ANALYSIS AND VARIMA	DEPTHE- -GNN
SIZE OF EACH PRINCIPAL	COMPONENT SEPARATELY.= + CASE BY THE	DIXOWJ- -BMP
PERFORMS A PRINCIPAL	COMPONENT SOLUTION AND AN ORTHOGONAL	DIXOWJ- -BMG
SIZE OF EACH PRINCIPAL	COMPONENT.=+ ORDERS EACH CASE BY THE	DIXOWJ- -BMR
F2 HED FO2 PRINCIPAL	COMPONENTS ANALYSIS (RAW SCORES).=	MEIEP -03-FHF
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COMPUTE THE PRINCIPAL	COMPONENTS OF STANDARDIZED DATA AND	DIXOWJ- -BMR
THAT COMPUTES PRINCIPAL	COMPONENTS OF STANDARDIZED DATA AND	DIXOWJ- -BMP
CN ON PRIMARY PRINCIPAL	COMPONENTS.= G2 UCM FO2 REGRESSI	U OFOF-01-GUF
REGRESSION ON PRINCIPAL	COMPONENTS, A PROGRAM TO COMPUTE	DIXOWJ- -BMR
TH FLUX--A PROGRAM +	COMPOSITE CONVERTER AND PEAK SUMS WI	OGBORE- -CCP
PROGRAM TO SOLVE	COMPOSITE SAMPLE OF RADIOACTIVITY	OGBORE-01-MDS
TO CREATE A THEORETICAL	COMPOSITE SPECTRUM.= + SPECTRA	OGBORE- -SAP
OF ELEVEN ELEMENTS IN A	COMPOSITE.= + LINEAR EQUATIONS	OGBORE- -EEA
STRIPPING ELEMENTS OFF	COMPOSITE.= + CLEAR PEAK RATIOS AND	OGBORE-01-MDS
D PRIMARY PROTEIN STRU+	COMPROTEIN--A COMPUTER PROGRAM TO AI	DAYHMO- -CCP
SUMS OF DIFFERENCE +	COMPUTATION OF DIFFERENCE SCORES AND	SULZES- -CDS
ACTUARIAL SURVIVAL RATE	COMPUTATION.=	PARNBL- -ASR
TATION AND FACTOR SCORE	COMPUTATION.= + ANALYSIS, VARIMAX RO	VELDDJ- -API
THAT PERFORMS THE MAJOR	COMPUTATIONS OF GUTTMAN SCALE NO 2	DIXOWJ-03-BSG
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     FREQUENCY FUNCTION COMPUTATIONS.=                                ROSEMA-  -FFC
S + MATCH--A PROGRAM TO COMPUTE A MATRIX OF COSINES OF ANGLE          VELDDJ-  -MPC
           A PROGRAM TO COMPUTE A SEQUENCE OF MULTIPLE LINEA          DIXOWJ-01-BRS
    GROUPS A PROGRAM TO COMPUTE A SET OF LINEAR FUNCTIONS             DIXOWJ-01-BMD
 DELETION) A PROGRAM TO COMPUTE A SIMPLE CORRELATION MATRIX,          DIXOWJ-01-BDC
CORRECTED--A PROGRAM TO COMPUTE A STANDARD SPECTRUM FROM             OGBORE-  -POF
 A+TCHS 5--A PROGRAM TO COMPUTE ALL 2X2 CHI-SQUARE VALUES OF         FRAN  -  -TPC
    TESTS--A PROGRAM TO COMPUTE AN ANALYSIS OF VARIANCE              DIXOWJ-  -BVM
           PROGRAM TO COMPUTE AND PRINT MEANS, STANDARD              DEPTHE-19-GNN
 ANALYSIS--A PROGRAM TO COMPUTE FALLOUT ACTIVITY IN AN AIR           OGBORE-  -ABA
           A PROGRAM TO COMPUTE FOUR SQUARE DETERMINANTS.=           SULZES-  -PCF
UTION, +   A PROGRAM TO COMPUTE FREQUENCIES, PERCENT DISTRIB        YERUJ -  -PCF
TABLES II--A PROGRAM TO COMPUTE FREQUENCIES, STANDARD DEVIAT        MASSFJ-01-XTW
  A PROGRAM DESIGNED TO COMPUTE FREQUENCY TABLES AND BASIC          MERRHH-  -CTP
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           PROGRAM TO COMPUTE INDIVIDUAL AND TOTAL CHI-SQU          DEPTHE-05-GNN
    REGRES A PROGRAM TO COMPUTE MULTIPLE CORRELATION COEFFIC        VELDDJ-  -RPC
           A PROGRAM TO COMPUTE NEW VARIABLES FOR CORRELATIO        DEPTHE-20-GNN
           PROGRAM TO COMPUTE ORDINATE AND/OR AREA OF TWO           DEPTHE-07-GNN
 DESCRIPTION PROGRAM TO COMPUTE SIMPLE AVERAGES AND MEASURES        DIXOWJ-  -BDS
           PROGRAM TO COMPUTE SIMPLE CORRELATION COEFFICIE          DIXOWJ-  -BDC
    OF ONE VARIABLE AND COMPUTE SIMPLE STATISTICAL MEASURES         DIXOWJ-03-BDD
N +TCHS 7--A PROGRAM TO COMPUTE SPECIFIED PARTIAL CORRELATIO        FRAN  -01-TPC
 2+1MP008¬--A PROGRAM TO COMPUTE SUMMARY TABLE FOR REPLICATED       STERT -  -MPC
           PROGRAM TO COMPUTE THE ABSCISSA FROM THE AREA            DEPTHE-08-GNN
           PROGRAM TO COMPUTE THE CHI-SQUARE OF THE SHIFT           DEPTHE-10-GNN
ARTICLES + A PROGRAM TO COMPUTE THE CONCENTRATION OF SMALL P        SULZES-  -PCC
           A PROGRAM TO COMPUTE THE EIGENVECTORS FROM THE           DEPTHE-05-FNN
CORRELATIONS PROGRAM TO COMPUTE THE MAXIMUM CORRELATIONS            DEPTHE-17-GNN
           PROGRAM TO COMPUTE THE MAXIMUM LIKELIHOOD SOLUT          DEPTHE-13-GNN
ION+1MP001-A PROGRAM TO COMPUTE THE MEAN AND STANDARD DEVIAT        STERT -01-MPC
           A PROGRAM TO COMPUTE THE PRINCIPAL COMPONENTS OF         DIXOWJ-  -BMR
 ANALYSIS, A PROGRAM TO COMPUTE THE VALUES OF THE FOURIER           DEPTHE-  -ENN
   ANALYSIS, PROGRAM TO COMPUTE TWO-WAY FREQUENCY AND PERCEN        DIXOWJ-  -BSC
 STACKING--A PROGRAM TO COMPUTE TWO-WAY FREQUENCY TABLES OF         DIXOWJ-03-BDC
           A PROGRAM TO COMPUTE VARIOUS STATISTICS ASSOCIATE        DEPTHE-14-GNN
AVERAGING TECHNIQUES IN COMPUTER ANALYSIS OF EEG RECORDS IN         ADEYWR-  -APD
DATA.=                  COMPUTER ANALYSIS OF SPECTROGRAPHIC         WILKT -  -CAS
 RAW SCORES TO T-SCOR+A COMPUTER PROGRAM FOR CONVERTING MMPI        LADDCE-  -CPC
EIN STRUC+COMPROTEIN--A COMPUTER PROGRAM TO AID PRIMARY PROT        DAYHMD-  -CCP
ER'S INDEX OF CURVILI+A COMPUTER PROGRAM TO CALCULATE CC PET        VANDSG-  -CPC
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       MENU PLANNING BY COMPUTER.=                                  BALIJL-  -MPC
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R MARK III AND IBM 1620 COMPUTER.=     + UTILIZING THE SETA         BLACCR-  -ACA
ROCARDIOGRAMS.=  USE OF COMPUTERS IN INTERPRETATION OF ELECT        PIPBHV-  -UCI
 GROUPS, A PROGRAM THAT COMPUTES A LINEAR FUNCTION OF P             DIXOWJ-  -BMD
  DISPOSITION RECORD -- COMPUTES ACTIVITY OF SAMPLE, PRODUCE        OGBORE-  -RCI
         PROGRAM WHICH COMPUTES ALL PAIRWISE PEARSON-R             NICHHC-  -IPW
  1MP024 A PROGRAM THAT COMPUTES BISERIAL CORRELATION COEFFI        STERT -01-MPT
ORRELATION ROUTINE THAT COMPUTES CORR COEFF.=+ A ZERO CELL C       SAKOJM-  -ZCZ
 FORM G, A PROGRAM THAT COMPUTES JOINT AGREEMENT PATTERNS.=         DICKKW-  -KAP
NTAPES--A PROGRAM WHICH COMPUTES MEAN, STANDARD DEVIATION,         OGBORE-  -TST
  VARIANCE PROGRAM THAT COMPUTES MEANS, STD. ERROR, VARIANCE       STERT -  -MOW
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A PROGRAM WHICH	COMPUTES MULTIPLE CORRELATION COEFFI	NICHHC- -MCP
ANALYSIS, PROGRAM THAT	COMPUTES PRINCIPAL COMPONENTS OF	DIXOWJ- -BMP
PROGRAM THAT	COMPUTES THE CANONICAL CORRELATIONS	DIXOWJ- -BMC
PROGRAM THAT	COMPUTES THE COEFFICIENTS FOR ASYMME	STERT - -MCC
VARIABLES PROGRAM. IT	COMPUTES, THE REGRESSION COEFFICIENT	OGBORE- -ELR
LSE TESTING DATA USING+	COMPUTING FREQUENCY RESPONSE FROM PU	CLEMWC-01-CFR
LSE TESTING DATA USING+	COMPUTING FREQUENCY RESPONSE FROM PU	CLEMWC- -CFR
PROGRAM TO COMPUTE THE	CONCENTRATION OF SMALL PARTICLES OR	SULZES- -PCC
= TESTS OF HYPOTHESES	CONCERNING MEANS OF TWO POPULATIONS.	MCMACA- -THC
TO PROVIDE INFORMATION	CONCERNING THE SHAPE OF DISTRIBUTION	VELDDJ- -DPP
SION ANALYSIS (STEPWISE	CONDENSATION.= + EXPERIMENTAL REGRES	HAMBRL- -XER
LASSIFICATION.+BAYESIAN	CONDITIONAL PROBABILITY DIAGNOSTIC C	OVERJE- -BCP
T PROGRAM WITH MULTIPLE	CONFIDENCE INTERVALS.= + LINE FI	MEDICO- -SLF
PROBIT ANALYSIS WITH	CONFIDENCE LIMITS.=	MEDICO- -PAC
PERCENT AND 98 PERCENT	CONFIDENCE LIMITS.= + AND THEIR 90	STERT -01-MPC
OSED WITH DETAIL AND/OR	CONSOLIDATED INFORMATION.=+ AND DISP	OGBORE- -RCI
RIBUTION WITH+KSL 4,20-	CONSTRUCT SAMPLES FROM A NORMAL DIST	DICKKW-01-KCS
REGION ISOTOPE	CONTENT.=	OGBORE- -RIC
TABLES, CHI-SQUARES,	CONTINGENCY COEFFICIENTS AND MAX	DIXOWJ- -BSC
TO COMPUTE TWC-+BMD02S,	CONTINGENCY TABLE ANALYSIS, PROGRAM	DIXOWJ- -BSC
FOR CHI-SQUARE FOR 2X2	CONTINGENCY TABLES, CORRECTED FOR	DAS RS- -PCS
Y TABLES, CORRECTED FOR	CONTINUITY.= + FOR 2X2 CONTINGENC	DAS RS- -PCS
ITEM ANALYSIS USING A	CONTINUOUS CRITERION VARIABLE.=	IKERHP-01-IAU
LINEAR HYPOTHESIS WITH	CONTRASTS.= BMD06V GENERAL	DIXOWJ-01-BVG
OSSIBLE COMBINATIONS OF	CONTROL VARIABLES.=+TABLES FOR ALL P	SAKOJM- -TTS
T H**2, WITH COVARIANCE	CONTROLS.= GO HED FO2 TES	MEIEP -05-GHF
PROGRAM TO PROVIDE	CONVERSION TABLES FOR RAW-SCORE	VELDDJ-01-CPP
PROGRAM WHIC+COMPOSITE	CONVERTER AND PEAK SUMS WITH FLUX--A	OGBORE- -CCP
A COMPUTER PROGRAM FOR	CONVERTING MMPI RAW SCORES TO T-SCOR	LADDCE- -CPC
AL ORIENTER (GENIOSTAT)	COORDINATES'.= + NO 2 'SINGLE CRYST	PATTAL-01-INS
A REDUCTION.= G1-HEDP-	CORANL-A PROGRAM FOR STATISTICAL DAT	DEPTHE- -GHC
	COREL.=	VELDDJ- -C
INTERCORRELATION TETR+	CORMAT--A PROGRAM FOR PRODUCT-MOMENT	VELDDJ- -CPP
DENTS ARE RANKED BY THE	CORNELL TECHNIQUE.= + NO 2 RESPON	DIXOWJ-03-BSG
N ROUTINE THAT COMPUTES	CORR COEFF.=+ A ZERO CELL CORRELATIO	SAKOJM- -ZCZ
ALL PAIRWISE PEARSON-R	CORR COEFF.=+ PROGRAM WHICH COMPUTES	NICHHC- -IPW
PAL COMPONENTS ANALYSIS	CORR OR DISPER MATRIX.= + FO2 PRINCI	MEIEP -02-FHF
MULTIPLE REGRESSION AND	CORR.=+ UCM FO2 FORTRAN SUBROUTINE--	MEIEP -16-GUF
ANALYSIS.= TREND	CORRECTED AUTO AND CROSS CORRELATION	OVERJE- -TCA
2X2 CONTINGENCY TABLES,	CORRECTED FOR CONTINUITY.= + FOR	DAS RS- -PCS
ANDARD + PHASE ONE FLUX	CORRECTED--A PROGRAM TO COMPUTE A ST	OGBORE- -POF
CHI-SQUARE WITH YATES	CORRECTION TWO-BY-TWO TABLES.=	MCMACA- -CSY
NIH-NIH026G--T-TEST FOR	CORRELATED MEANS.= G2-	DEPTHE-09-GNN
G2 UCM MIX	CORRELATION ANALYSIS (WITH PLOT).=	MEIEP -05-GUM
TIPLE + A PROGRAM FOR	CORRELATION ANALYSIS AND GENERAL MUL	HOFFPJ- -PCA
MULTIPLE REGRESSION AND	CORRELATION ANALYSIS NC.=	MEIEP -19-GUF
E SERIES+AUTO AND CROSS	CORRELATION ANALYSIS OF MULTIPLE TIM	OVERJE- -ACC
MULTIPLE REGRESSION AND	CORRELATION ANALYSIS ON THE DATA	DIXOWJ- -BRM
G2 HED FO2	CORRELATION ANALYSIS.=	MEIEP -06-GHF
REGRESSION AND	CORRELATION ANALYSIS.=	PR LLI- -RCA
CRRECTED AUTO AND CROSS	CORRELATION ANALYSIS.= TREND C	OVERJE- -TCA
MULTIPLE REGRESSION AND	CORRELATION ANALYSIS.= G2 UCM FO2	MEIEP -20-GUF
= MCORR--A MULTIPLE	CORRELATION AND REGRESSION ANALYSIS.	SAKOJM- -MMC
PROFILE	CORRELATION CLASSIFICATION.=	OVERJE- -PCC

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PLE AND MULT+XTAB 81, A CORRELATION COEFFICIENT PROGRAM (SIM MASSFJ- -XCC
RESSION COEFFICIENT AND CORRELATION COEFFICIENT.= + THE REG OGBORE- -ELR
THAT COMPUTES BISERIAL CORRELATION COEFFICIENTS FOR DISCRET STERT -01-MPT
T COMPUTES THE+IMP002 A CORRELATION COEFFICIENTS PROGRAM THA STERT - -MCC
TCHS 4 CORRELATION COEFFICIENTS.= FRAN - -TCC
ALCULATE PRODUCT MOMENT CORRELATION COEFFICIENTS.= + TO C SAKOJM- -CPC
MPUTE SPECIFIED PARTIAL CORRELATION COEFFICIENTS.= + TO CO FRAN -01-TPC
RAM TO COMPUTE MULTIPLE CORRELATION COEFFICIENTS.= + A PROG VELDDJ- -RPC
WHICH COMPUTES MULTIPLE CORRELATION COEFFICIENTS.=+ PROGRAM NICHHC- -MCP
TO COMPUTE SIMPLE CORRELATION COEFFICIENTS, AVERAGES DIXOWJ- -BDC
MPUTE NEW VARIABLES FOR CORRELATION INPUT.=+ A PROGRAM TO CO DEPTHE-20-GNN
AND NONSYMMETRIC CORRELATION MATRICES OF DATA WITH DAS RS- -UPP
PRODUCT MOMENT CORRELATION MATRICES.= OVERJE- -PMC
D VARIMAX ROTATION ON A CORRELATION MATRIX.= + ANALYSIS AN DEPTHE- -GNN
VIATIONS AND THE INTER- CORRELATION MATRIX.= + STANDARD DE DEPTHE-19-GNN
S A GIVEN COVARIANCE OR CORRELATION MATRIX.=+OF LOADINGS FIT DEPTHE-02-GNN
TO COMPUTE A SIMPLE CORRELATION MATRIX, OMITTING UNDESIR DIXOWJ-01-BDC
ZO BSC AC PEDIATRIC CORRELATION PH 1.= MEIEP - -ZBA
A CANONICAL CORRELATION PRGM.= SHUMKE- -CCP
S MISSING CWCM.= A CORRELATION PROGRAM WITH OBSERVATION VANDJM- -CPO
AN AUTO AND CROSS CORRELATION PROGRAM.= BENDAW- -ACC
A SINGLE DIGIT SCORE CORRELATION PROGRAM.= BENDAW- -SDS
BISERIAL POINT-BISERIAL CORRELATION PROGRAM.= CAST - -BPB
A GENERAL CORRELATION PROGRAM.= CRAMEN- -GCP
G2-NIH-NIH008G A CORRELATION PROGRAM.= DEPTHE-16-GNN
A CORRELATION PROGRAM.= MCMACA- -CP
LINEAR REGRESSION AND CORRELATION PROGRAM.= NICHHC- -LRC
CORRELATION PROGRAM.= OGBORE- -CP
NIH001G A PRE-POST EDIT CORRELATION PROGRAM.= G1-NIH- DEPTHE-15-GNN
COMPUTES MULT+MULTIPLE CORRELATION PROGRAM, A PROGRAM WHICH NICHHC- -MCP
TWO CORRELATION PROGRAMS.= IKERPH- -TCP
6, UN-17 PRODUCT MOMENT CORRELATION PROGRAMS.= + UN-15, UN-1 SCHAKW- -UUU
A PROGRAM FOR CORRELATION RATIOS.= LINGJC- -PCR
RR + Z CCOR A ZERO CELL CORRELATION ROUTINE THAT COMPUTES CO SAKOJM- -ZCZ
OGRAM TO COMPU+BMD03D (CORRELATION WITH ITEM DELETION) A PR DIXOWJ-01-BDC
PROGRAM TO + BMD02D (CORRELATION WITH TRANSGENERATION)--A DIXOWJ- -BDC
KSL 2.15 K-5 AUTO CORRELATION.= DICKKW- -KKA
D FO2 MAXIMUM CANONICAL CORRELATION.= GO HE MEIEP -01-GHF
RAM FOR THE TETRACHORIC CORRELATION.= A PROG CHARM - -PTC
L CLUSTERING INTRACLASS CORRELATION.= + SUBJECT TO NATURA HOPKCG- -VMS
TO COMPUTE THE MAXIMUM CORRELATIONS BETWEEN ALL LINEAR DEPTHE-17-GNN
COMPUTES THE CANONICAL CORRELATIONS BETWEEN TWO SETS OF DIXOWJ- -BMC
A CANONICAL CORRELATIONS PROGRAM TO COMPUTE THE DEPTHE-17-GNN
GO HED FO2 CANONICAL CORRELATIONS.= MEIEP - -GHF
30-HIGHER ORDER PARTIAL CORRELATIONS.= KSL 2. DICKKW- -KHO
OF DIFFERENCES BETWEEN CORRELATIONS.=+TEST THE SIGNIFICANCE DICKKW- -KFS
OVARIANC+KSL 2.05, K-9- CORRELATIONS, MEANS, STANDARD DEV, C DICKKW- -KKC
K-8-PRODUCT-MOMENT CORRELATIONS, VARIANCE- COVARIANCES DICKKW- -KKP
FREQUENCY ANALYSIS OF CORRELOGRAM FUNCTIONS.= OVERJE- -FAC
ESSENTIAL DIMENSIONS OF CORRESPONDENCE AMONG TWO SETS OF VELDDJ- -CPT
IBUTION AND DISPOSAL OF CORTISOL IN HUMANS.= THE DISTR NUGECA- -DDC
CT MOMENT CORRELATION + COR70-- A PROGRAM TO CALCULATE PRODU SAKOJM- -CPC
COFIT, A LEAST SQUARES COSINE FITTING PROGRAM.= ANDEBL- -CLS
TO COMPUTE A MATRIX OF COSINES OF ANGLES BETWEEN ALL COMBIN VELDDJ- -MPC

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T + COUNT-A FREQUENCY	COUNT DISTRIBUTION PROGRAM USING UNI	SAKOJM- -CFC
EXPECTED	COUNT RATE.=	OGBORE- -ECR
PROGRAM USING UNIT +	COUNT-A FREQUENCY COUNT DISTRIBUTION	SAKOJM- -CFC
PROGRAM 2 TO GIVE	COUNTS OF INDIVIDUALS WHO MEET SPECI	MASSFJ-01-XST
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S BASED ON THE ORDER OF	ENTRY OF THE DATA.=+ NUMBER OF GROUP	DIXOWJ-02-BDD
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= E2 UCC BIN NONLINEAR	ESTIMATION (VARIABLE METRIC METHOD).	MEIEP - -EUB
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= LEAST SQUARES LINEAR,	EXPONENTIAL AND POWER CURVE FITTING.	OVERJE- -LSL
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SIS OF ALL COMBINATION+	EXTENSION TO LINEAR REGRESSION ANALY	OGBORE- -ELR
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INTERPOLATION.=	E1-HADM-NAINTP--MULTIVARIATE LINEAR	DEPTHE-02-EHN

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INTERPOLATION, A PROG+	E1-HADM-NBBIVA--LAGRANGIAN BIVARIATE	DEPTHE-01-EHN
DEGREE LAGRANGIAN +	E1-HADM-TEAARD--A THREE POINT SECOND	DEPTHE- -EHT
INTERPOLATION, A PROG+	E1-HADM-TEDUBL--LAGRANGIAN BIVARIATE	DEPTHE-01-EHT
IABLE METRIC METHOD).=	E2 UCC BIN NONLINEAR ESTIMATION (VAR	MEIEP - -EUB
C VERS 1).=	E2 UOC FO2 NONLINEAR ESTIMATION (BSC	MEIEP - -EUF
IABLE METRIC METHOD).=	E2 UOC FO2 NONLINEAR ESTIMATION (VAR	MEIEP -01-EUF
CMIAL FIT.=	E2-HADF-POLFDTP--LEAST SQUARES POLYN	DEPTHE- -EHP
ES PROGRAM.=	E2-NIH-NIH122--NONLINEAR LEAST SQUAR	DEPTHE-01-ENN
C VERS 1).= 000077-	E2-UOC BIN NONLINEAR ESTIMATION (BSC	MEIEP -01-EUB
A PROGRAM FOR FISHER'S	F DISTRIBUTION.=	HOLLC - -PFS
A TABLE LOOKUP OF THE	F PROBABILITY DENSITY FUNCTION.=	DEPTHE-06-GNN
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N GROUPS, COMPARES WITH	F-TEST.=+ VARIANCE BETWEEN AND WITHI	STERT - -MOW
T-TEST,	F-TEST, CHI-SQUARE TEST.=	OGBORE- -TTF
AGREEMENT SCORES, FORM	F, A PROGRAM WHICH WILL PRINT ONLY	DICKKW- -KRA
RS FROM TWO INDEPENDENT	FACTOR ANALYSES.= + OF FACTOR-VECTO	VELDDJ- -MPC
(B) PRINCIPAL AXIS	FACTOR ANALYSIS (C) ORTHOGONAL VARIM	VELDDJ- -FPP
METHOD).+G2-NIH-NIH020G	FACTOR ANALYSIS (MAXIMUM LIKELIHOOD	DEPTHE-01-GNN
	FACTOR ANALYSIS (REAL OR COMPLEX).=	ROSEG - -FAR
LYSIS ITEM ANALYSIS AND	FACTOR ANALYSIS AND ROTATION.=, + ANA	WOLFR - -TPT
A PRINCIPLE COMPONENT	FACTOR ANALYSIS AND VARIMAX ROTATION	DEPTHE- -GNN
CARRY OUT A TRANSPOSED	FACTOR ANALYSIS OF PERSONS, RATHER	VELDDJ- -TPC
TCHS1-ONE-	FACTOR ANALYSIS OF VARIANCE.=	FRAN - -TOF
FACTSCOR--A	FACTOR ANALYSIS PROGRAM.=	VELDDJ- -FFA
FACTORX--A	FACTOR ANALYSIS PROGRAM.=	VELDDJ-01-FFA
PRINCIPAL COMPONENT AND	FACTOR ANALYSIS PROGRAM.= A	STEIFE- -PCF
A PRINCIPAL AXIS	FACTOR ANALYSIS USING EITHER THE	BRIDDA- -SSA
F2-UCM-MIX	FACTOR ANALYSIS.=	MEIEP - -FUM
INTERBATTERY DIAD	FACTOR ANALYSIS.=	OVERJE- -IDF
PRINCIPAL AXES	FACTOR ANALYSIS.=	OVERJE- -PAF
POWERED VECTOR	FACTOR ANALYSIS.=	OVERJE- -PVF
PROGRAM FOR SQUARE ROOT	FACTOR ANALYSIS.= A	LINGJC- -PSR
GRAM FOR PRINCIPAL AXIS	FACTOR ANALYSIS.= A PRO	BENDAW- -PPA
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A PROGRAM FOR	FACTOR ESTIMATION.=	KINGFJ- -PFE
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2 VARIMAX ROTATION OF A	FACTOR MATRIX (KAISER).= G3 HED FO	MEIEP -03-GHF
O UCM FO2 ROTATION OF A	FACTOR MATRIX.= G	MEIEP -06-GUF
LE NUMBER OF CHANNELS +	FACTOR MULTIPLIER--MULTIPLIES VARIAB	OGBORE- -FMM
	FACTOR MULTIPLIER, 7 COLUMN.=	OGBORE- -FMC
ICR NO 4 'STRUCTURE	FACTOR PROGRAM AND LEAST-SQUARES	PATTAL- -INS
FOR NORMALIZED VARIMAX	FACTOR ROTATION.= A PROGRAM	BENDAW- -PNV
S, VARIMAX ROTATION AND	FACTOR SCORE COMPUTATION.= + ANALYSI	VELDDJ- -API
A	FACTOR SCORE PROGRAM.=	MILLC - -FSP
AN ORTHOGONAL	FACTOR SIMILARITY PROGRAM.=	BENDAW- -OFS
ZED VARIMAX ROTATION OF	FACTOR SOLUTIONS.= NORMALI	OVERJE- -NVR
IONS IN DISCRIMINANT OR	FACTOR SPACE.= + CENTROIDS, DISPERS	MEIEP -02-GHF
OF CHANNELS BY A COMMON	FACTOR.= + VARIABLE NUMBER	OGBORE- -FMM
(A) INTERCORRELATION +	FACTOR--A PACKAGE PROGRAM TO PRODUCE	VELDDJ- -FPP
ALL COMBINATIONS OF	FACTOR-VECTORS FROM TWO INDEPENDENT	VELDDJ- -MPC

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ANALYSIS--A PROGRAM FOR	FACTORING NONLINEAR OR NONMETRIC	LINGJC- -SDA
ICR NO 10 'ABSORPTION	FACTORS FOR A CRYSTAL GROUND AS AN	PATTAL- -INA
BEST FITTING ORTHOGONAL	FACTORS FOR A GIVEN HYPOTHESIS.=	SAUNDR- -PFB
	FACTORX--A FACTOR ANALYSIS PROGRAM.=	VELDDJ-01-FFA
=	FACTSCOR--A FACTOR ANALYSIS PROGRAM.	VELDDJ- -FFA
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S--A PROGRAM TO COMPUTE	FALLOUT ACTIVITY IN AN AIR SAMPLE.=	OGBORE- -ABA
FOR THE EXPLORATION OF	FAMILIAR AGGREGATIONS OF DISEASE.=	FRAN - -TPP
TESTING DATA USING	FILON'S FORMULA FOR NUMERICAL EVALUA	CLEMWC-01-CFR
THAT PERFORMS THE	FINAL STEPS OF GUTTMAN SCALE NO 2	DIXOWJ-04-BSG
OF RADIOACTIVITY BY	FINDING CLEAR PEAK RATIOS AND STRIPP	OGBORE-01-MDS
US 8.= LEAST SQUARE.	FINDS LINEAR EQUATION Y EQUALS MX PL	OGBORE- -LSF
FORM H, THIS PROGRAM	FINDS THE HIGHEST AGREEMENT SCORE	DICKKW-01-KAP
ABILITY OF THE+1MP016--	FISHER'S EXACT TEST TO TEST THE PROB	STERT - -MFS
A PROGRAM FOR	FISHER'S F DISTRIBUTION.=	HOLLC - -PFS
OF P-VALUES FOR	FISHER'S F TEST GIVEN THE F STATISTI	SULZES- -CPV
QUARED + PERFORMANCE OF	FISHER'S TEST OR THE CLASSICAL CHI-S	SULZES- -PFS
TEST THE + KSL 2.50--	FISHER'S Z TRANSFORMATION PROGRAM TO	DICKKW- -KFS
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A PROGRAM TO	FIT A PLANE TO DISCRETE VALUES OF A	DEPTHE-01-EHT
A PROGRAM TO	FIT AN EXPONENTAL CURVE.=	GILLPA- -PFE
AN EXPONENTIAL CURVE	FIT BY MAXIMUM LIKELIHOOD.=	MEDICO- -ECF
OUBLE EXPONENTIAL CURVE	FIT BY MAXIMUM LIKELIHOOD.= A D	MEDICO- -DEC
K-3--A LEAST SQUARES	FIT OF A POLYNOMIAL TO A SET OF N	DICKKW- -KKL
INTERV+A STRAIGHT LINE	FIT PROGRAM WITH MULTIPLE CONFIDENCE	MEDICO- -SLF
1MP004 A LINEAR	FIT PROGRAM WITH T-TEST.=	STERT - -MLF
1MP013 A POLYNOMIAL	FIT PROGRAM.=	STERT - -MPF
ANGIAN POLYNOMIAL CURVE	FIT PROGRAM.= + SECOND DEGREE LAGR	DEPTHE- -EHT
LEAST SQUARES	FIT TO RELAXATION EQUATION.=	CISLPJ- -LSF
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IC FUNCTION OR TIME +	FITTING FOURIER SERIES TO ANY PERIOD	SULZES- -FFS
S FOR CURVE AND SURFACE	FITTING ON UNEQUALLY SPACED POINTS.=	HOBBC - -ISP
A PROGRAM TO FIND BEST	FITTING ORTHOGONAL FACTORS FOR A	SAUNDR- -PFB
T, AN EXPONENTIAL CURVE	FITTING PROGRAM.= EXFI	ANDEBL- -EEC
A LEAST SQUARES COSINE	FITTING PROGRAM.= COFIT,	ANDEBL- -CLS
CURVE	FITTING PROGRAMS.=	NICHHC- -CFP
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NENTIAL AND POWER CURVE	FITTING.=+LEAST SQUARES LINEAR, EXPO	OVERJE- -LSL
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TO DETECT CYCLIC	FLUCTUATIONS IN REPEATED MEASUREMENT	VELDDJ- -APD
.=	FLUOROMETRIC TITRATION OF ANTIBODIES	EISEH - -FTA
A STANDARD + PHASE ONE	FLUX CORRECTED--A PROGRAM TO COMPUTE	OGBORE- -POF
A SAMPLE OR THE NEUTRON	FLUX THAT THE SAMPLE WAS EXPOSED	OGBORE- -SSA
AND PEAK SUMS WITH	FLUX--A PROGRAM WHICH MULTIPLIES	OGBORE- -CCP
SPECIFIC ACTIVITY,	FLUX, SAMPLE ACTIVITY--THE PROGRAM	OGBORE- -SSA
A PROGRAM FOR A-	FOLD TABLES.=	MILLCR- -PFT
-SQUARED TEST ON A FOUR	FOLDTABLE.= + OR THE CLASSICAL CHI	SULZES- -PFS
2.90--AGREEMENT SCORES,	FORM A, A PROGRAM THAT WILL CALCULAT	DICKKW- -KAS
AGREEMENT SCORES,	FORM F, A PROGRAM WHICH WILL PRINT	DICKKW- -KRA

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            PATTERNS, FORM G, A PROGRAM THAT COMPUTES          DICKKW-  -KAP
            PATTERNS, FORM H, THIS PROGRAM FINDS THE HIGHE     DICKKW-01-KAP
 INPUT DATA TO FIND THE FORM OF THEIR DISTRIBUTION, FREQUENC   DEPTHE-29-GNN
S ON DATA STORED IN ANY FORMAT ON CARDS OR TAPE.=+ STATISTIC   MERRHH-  -CTP
     DATA USING FILON'S FORMULA FOR NUMERICAL EVALUATION OF    CLEMWC-01-CFR
ION AND CORR+G2 UCM F02 FORTRAN SUBROUTINE--MULTIPLE REGRESS  MEIEP -16-GUF
L CHI-SQUARED TEST ON A FOUR FOLDTABLE.=   + OR THE CLASSICA  SULZES-  -PFS
   A PROGRAM TO COMPUTE FOUR SQUARE DETERMINANTS.=            SULZES-  -PCF
         AN N ORDINATE FOURIER ANALYSIS PRGM.=                MEDICO-  -NOF
          SPECTRAL AND FOURIER ANALYSIS.=                     ROSEG -  -SFA
TE THE +EA-NIH-NIH110-- FOURIER ANALYSIS, A PROGRAM TO COMPU  DEPTHE-  -ENN
            ICR NO 6 ' FOURIER DATA TAPE MAKER'.=            PATTAL-  -INF
CR NO 9 'POINT-BY-POINT FOURIER IN ANY PLANE'.=           I  PATTAL-  -INP
      THE VALUES OF THE FOURIER SERIES AT A GIVEN NUMBER OF  DEPTHE-  -ENN
ION OR TIME +   FITTING FOURIER SERIES TO ANY PERIODIC FUNCT SULZES-  -FFS
REE AND TWO DIMENSIONAL FOURIER SUMMATION PROGRAM'.= + 1 'TH PATTAL-  -INT
 COMPERTZ, ETC)+G2-UCM- F02 ASYMPTOTIC REGRESSION (LOGISTIC,  MEIEP -17-GUF
                F2 UCM F02 CANONICAL ANALYSIS.=               MEIEP -  -FUF
                G0 HED F02 CANONICAL CORRELATIONS.=           MEIEP -  -GHF
MINANT OR FACTOR+G1 HED F02 CENTROIDS, DISPERSIONS IN DISCRI  MEIEP -02-GHF
                G2 UCM F02 COMPONENT ANALYSIS.=               MEIEP -07-GUF
                G2 HED F02 CORRELATION ANALYSIS.=             MEIEP -06-GHF
                G1 UCM F02 CROSS TABULATION NO 1.=            MEIEP -24-GUF
                G1 UCM F02 CROSS TABULATION NO 2.=            MEIEP -22-GUF
23).=           G1 UCM F02 CROSS TABULATION NO 3 (MODIFIED    MEIEP -21-GUF
                G1 UCM F02 DATA PATTERNS-DICROTOMY.=          MEIEP -23-GUF
                G1 UCM F02 DATA PATTERNS-POLYCHOTOMY.=        MEIEP -26-GUF
S.=             G1 UCM F02 DISCRIMINANT ANALYSIS--TWO GROUP   MEIEP -14-GUF
L SYMMETERIC +  F2 HED F02 EIGENVALUES AND VECTORS OF A REA   MEIEP -  -FHF
SYMMETRIC MATRIX+F2 HED F02 EIGENVECTORS AND VALUES OF A NON  MEIEP -01-FHF
RESSION AND CORR+G2 UCM F02 FORTRAN SUBROUTINE--MULTIPLE REG  MEIEP -16-GUF
A.=             G4 UCM F02 GENERAL HYPOTHESIS NO 2 FOR ANOV   MEIEP -05-GUF
OVA.=           G4 UCM F02 GENERAL LINEAR HYPOTHESIS FOR AN   MEIEP -04-GUF
                G0 UCM F02 GENERAL PLOT.=                     MEIEP -25-GUF
                G0 UCM F02 GUTTMAN SCALING NO 1.=             MEIEP -29-GUF
                G0 UCM F02 GUTTMAN SCALING NO 2 (PART 1).=    MEIEP -28-GUF
                G0 UCM F02 GUTTMAN SCALING NO 2 (PART 2).=    MEIEP -02-GUF
                G0 UCM F02 GUTTMAN SCALING NO 2 (PART 3).=    MEIEP -03-GUF
                G0 UCM F02 LIFE TABLE AND SURVIVAL RATE.=     U OFOF-  -GUF
                G0 HED F02 MAXIMUM CANONICAL CORRELATION.=    MEIEP -01-GHF
=               G0 HED F02 MULTIPLE DISCRIMINANT FUNCTIONS.   MEIEP -07-GHF
ION ANALYSIS +  G2-UCM- F02 MULTIPLE REGRESSION AND CORRELAT  MEIEP -19-GUF
ION ANALYSIS.=   G2 UCM F02 MULTIPLE REGRESSION AND CORRELAT  MEIEP -20-GUF
D 06).=        G2-UCM- F02 MULTIPLE REGRESSION NO3 (MODIFIE  MEIEP -18-GUF
                G2 HED F02 MULTIPLE REGRESSION.=              MEIEP -08-GHF
11.=            E2 UOC F02 NONLINEAR ESTIMATION (BSCC VERS    MEIEP -  -EUF
ETRIC METHOD).=  E2 UOC F02 NONLINEAR ESTIMATION (VARIABLE M  MEIEP -01-EUF
AW SCORES).=     F2 HED F02 PRINCIPAL COMPONENTS ANALYSIS (R  MEIEP -03-FHF
RR OR DISPER +   F2 HED F02 PRINCIPAL COMPONENTS ANALYSIS CO  MEIEP -02-FHF
COMPONENTS.=     G2 UCM F02 REGRESSION ON PRIMARY PRINCIPAL    U OFOF-01-GUF
                G0 UCM F02 ROTATION OF A FACTOR MATRIX.=      MEIEP -06-GUF
3.=             G1 UCM F02 SIMPLE MISSING VALUE ROUTINE NO    MEIEP -27-GUF
                G2 UCM F02 STEPWISE MULTIPLE REGRESSION.=     MEIEP -15-GUF
              3 G0 UCM F02 SUBROUTINE ROTATE (VARIMAX).=      MEIEP -08-GUF
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D).= GO UOC	FO2 SURVIVAL TABLES (ACTUARIAL METHO	MEIEP -09-GUF
OLS.= GO HED	FO2 TEST H**2, WITH COVARIANCE CONTR	MEIEP -05-GHF
IANCE COV. ADJUS+G4 HED	FO2 TWO TO THREE WAY ANALYSIS OF VAR	MEIEP -04-GHF
RIX (KAISER).= G3 HED	FO2 VARIMAX ROTATION OF A FACTOR MAT	MEIEP -03-GHF
G1-UCM-	FO2--GENERAL CHI-SQUARE.=	MEIEP - -GUF
ATION.= GO-UOC-	FO2, WEIGHTED MEAN AND STANDARD DEVI	MEIEP -01-GUF
ATION.= GO-UOC-	FO2, WEIGHTED MEAN AND STANDARD DEVI	MEIEP -13-GUF
HE NUMBER OF DEGREES OF	FREEDOM AND THE VALUE OF T.=+GIVEN T	SULZES-01-PCO
NUMBER OF DEGREES OF	FREEDOM AND THE VALUE OF THE CHI-SQU	SULZES- -PCO
STIC AND THE DEGREES OF	FREEDOM.= + F TEST GIVEN THE F STATI	SULZES- -CPV
VIATE WITH R DEGREES OF	FREEDOM.= + GENERATE A CHI-SQUARE DE	DEPTHE-04-GNN
PROGRAM TO FIND	FREQUENCIES AND PATTERNS OF ANY ONE	DIXOWJ- -BDD
WAY CROSSTABULATIONS OF	FREQUENCIES AND PERCENTAGE.= + THREE	DEPTHE-28-GNN
OF THEIR DISTRIBUTION,	FREQUENCIES AND RANGES.= + THE FORM	DEPTHE-29-GNN
THE PROBABILITY OF THE	FREQUENCIES IN THE CELLS COMING	STERT - -MFS
D DISPROPORTICNATE CELL	FREQUENCIES.= + FOR UNEQUAL AN	OVERJE- -TWA
FOR PROPORTICNATE CELL	FREQUENCIES.= + ANALYSIS OF VARIANCE	OVERJE-02-TWA
FOR PROPORTICNATE CELL	FREQUENCIES.= + ANALYSIS OF VARIANCE	OVERJE-01-TWA
A PROGRAM TO COMPUTE	FREQUENCIES, PERCENT DISTRIBUTION,	YERUJ - -PCF
PROGRAM TO COMPUTE	FREQUENCIES, STANDARD DEVIATIONS	MASSFJ-01-XTW
NCTIONS.=	FREQUENCY ANALYSIS OF CORRELOGRAM FU	OVERJE- -FAC
TA WITH CHI-SQUARE +	FREQUENCY ANALYSIS OF QUALITATIVE DA	OVERJE- -FAQ
TO COMPUTE TWO-WAY	FREQUENCY AND PERCENTAGE TABLES,	DIXOWJ- -BSC
USING UNIT + COUNT-A	FREQUENCY COUNT DISTRIBUTION PROGRAM	SAKOJM- -CFC
1MP003-A	FREQUENCY DISTRIBUTION PROGRAM.=	STERT - -MFD
CODE-GENERAL CODING AND	FREQUENCY DISTRIBUTION ROUTINE.= G	SAKOJM- -GGC
A PROGRAM TO GET	FREQUENCY DISTRIBUTIONS AND STATISTI	VELDDJ- -CPG
KSL 4.00-	FREQUENCY DISTRIBUTIONS.=	DICKKW- -KFD
	FREQUENCY FUNCTION COMPUTATIONS.=	ROSEMA- -FFC
G DATA USING +COMPUTING	FREQUENCY RESPONSE FROM PULSE TESTIN	CLEMWC- -CFR
G DATA USING +COMPUTING	FREQUENCY RESPONSE FROM PULSE TESTIN	CLEMWC-01-CFR
DESIGNED TO COMPUTE	FREQUENCY TABLES AND BASIC STATISTIC	MERRHH- -CTP
GRAM TO CUMPUTE TWO-WAY	FREQUENCY TABLES OF DATA INPUT.=+PRO	DIXOWJ-03-BDC
PROGRAM THAT GENERATES	FREQUENCY TABLES.= 1MP014-A	STERT -02-MPT
CHI-SQUARE FOR A SET OF	FREQUENCY TABLES.= KSL 2.61--	DICKKW- -KCS
PRETAB II-A	FREQUENCY TABULATOR PROGRAM.=	HARTD - -PIF
EUCLIDIAN DISTANCE	FUNCTION CLASSIFICATION.=	OVERJE- -EDF
FREQUENCY	FUNCTION COMPUTATIONS.=	ROSEMA- -FFC
OF TWO GROUPS-THE	FUNCTION IS THEN USED AS AN INDEX	DIXOWJ- -BMD
THAT COMPUTES A LINEAR	FUNCTION OF P VARIABLES MEASURED ON	DIXOWJ- -BMD
TO DISCRETE VALUES OF A	FUNCTION OF TWO VARIABLES.=+A PLANE	DEPTHE-01-EHN
TO DISCRETE VALUES OF A	FUNCTION OF TWO VARIABLES.=+A PLANE	DEPTHE-01-EHT
SERIES TO ANY PERIODIC	FUNCTION OR TIME SERIES.= + FOURIER	SULZES- -FFS
-NIH011G A DISCRIMINANT	FUNCTION PROGRAM.= G2-NIH	DEPTHE-18-GNN
ICR NO 15 'MINIMUM	FUNCTION PROGRAM'.=	PATTAL- -INM
PRODUCES DISCRIMINANT	FUNCTION SCORES, CHI-SQUARES REGARDI	VELDDJ- -GPP
E F PROBABILITY DENSITY	FUNCTION.= + A TABLE LOOKUP OF TH	DEPTHE-06-GNN
OR THE + TRIGONOMETRIC	FUNCTIONS ACCORDING TO BRAGG'S LAW F	PARNBL- -TFA
COMPUTE A SET OF LINEAR	FUNCTIONS FOR THE PURPOSE OF CLASSIF	DIXOWJ-01-BMD
2 MULTIPLE DISCRIMINANT	FUNCTIONS.= GO HED FO	MEIEP -07-GHF
ANALYSIS OF CORRELOGRAM	FUNCTIONS.= FREQUENCY	OVERJE- -FAC
ELY RELATED PROBABILITY	FUNCTIONS.= + DERIVATIVE OF TWO CLOS	DEPTHE-08-GNN
ELY RELATED PROBABILITY	FUNCTIONS.=+ AND/OR AREA OF TWO CLOS	DEPTHE-07-GNN
IX MULTIPLICATION.=	F1-HADM-NAMULT REAL AND COMPLEX MATR	DEPTHE- -FHN

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SION PROGRAM.=	F1-NIH-NIH 001F GENERAL MATRIX INVER	DEPTHE-12-FNN
TRIX FOR PROFILE ANALY+	F1-NIH-NIH002F--WITHIN COVARIANCE MA	DEPTHE-11-FNN
A MATRIX INTO NEARLY +	F1-NIH-NIH004 A PROGRAM TO TRANSFORM	DEPTHE- -FNN
ION OF LINEAR EQUATION+	F1-NIH-NIH005 MATRIX INVERSION-SOLUT	DEPTHE-02-FNN
	F1-NIH-NIH012 MATRIX INVERSION.=	DEPTHE-03-FNN
F A REAL SYMMETERIC +	F2 HED F02 EIGENVALUES AND VECTORS O	MEIEP - -FHF
F A NONSYMMETRIC MATRI+	F2 HED F02 EIGENVECTORS AND VALUES O	MEIEP -01-FHF
YSIS CORR OR DISPER +	F2 HED F02 PRINCIPAL COMPONENTS ANAL	MEIEP -02-FHF
YSIS (RAW SCORES).=	F2 HED F02 PRINCIPAL COMPONENTS ANAL	MEIEP -03-FHF
	F2 UCM F02 CANONICAL ANALYSIS.=	MEIEP - -FUF
ND MATRIX MULTIPLICATI+	F2-NIH-NIH003F EIGENVALUES-VECTORS A	DEPTHE-04-FNN
HE EIGENVECTORS FROM +	F2-NIH-NIH007 A PROGRAM TO COMPUTE T	DEPTHE-05-FNN
A REAL SYMMETRIC MATR+	F2-NIH-NIH008 EIGENVALUES-VECTORS OF	DEPTHE-06-FNN
NONSYMMETRIC MATRIX.=	F2-NIH-NIH010 EIGENVALUES-VECTORS OF	DEPTHE-07-FNN
	F2-UCM-MIX FACTOR ANALYSIS.=	MEIEP - -FUM
DETERMINANTS OF REAL +	F3-HADM-NADETR A PROGRAM TO EVALUATE	DEPTHE-01-FHN
THE DETERMINANT OF A +	F3-NIH-NIH011 A PROGRAM TO EVALUATE	DEPTHE-08-FNN
COMPLEX MATRICES.=	F4-HADM-NAINVS INVERSION OF REAL OR	DEPTHE-02-FHN
ONSINGULAR SQUARE MATR+	F4-HADM-NBMATX INVERSION OF A REAL N	DEPTHE-03-FHN
MULTANEOUS EQUATIONS.=	F4-HADM-SHINVR A PROGRAM TO SOLVE SI	DEPTHE- -FHS
VECTOR SOLUTION OF A +	F4-NIH-NIH013 A PROGRAM TO OBTAIN A	DEPTHE-09-FNN
ATRIX EQUATION BY THE +	F4-NIH-NIH014 SOLUTION OF A LINEAR M	DEPTHE-10-FNN
ISTRIBUTION ROUTINE.=	GCODE-GENERAL CODING AND FREQUENCY D	SAKOJM- -GGC
'DATA REDUCTION FOR THE	GE GENIOSTAT'.= ICR NO 11	PATTAL- -IND
WHICH CROSS- + XCLAS-A	GENERA CROSS CLASSIFICATION PROGRAM	SAKOJM- -XGC
A PROGRAM FOR	GENERAL ANALYSIS OF VARIANCE.=	DICKAW- -PGA
G1-UCM-F02--	GENERAL CHI-SQUARE.=	MEIEP - -GUF
UTION ROUTINE.= GCODE-	GENERAL CODING AND FREQUENCY DISTRIB	SAKOJM- -GGC
A	GENERAL CORRELATION PROGRAM.=	CRAMEN- -GCP
ULATING PROGRAM.= A	GENERAL CROSS CLASSIFICATION AND TAB	BONARR- -GCC
HAT PERFORMS A +BMD03M,	GENERAL FACTOR ANALYSIS, A PROGRAM T	DIXOWJ- -BMG
G4 UCM F02	GENERAL HYPOTHESIS NO 2 FOR ANOVA.=	MEIEP -05-GUF
A	GENERAL INTERCORRELATION PROGRAM.=	UHR L - -GIP
	GENERAL LINEAR COMPONENTS ANALYSIS.=	OVERJE- -GLC
= G4 UCM F02	GENERAL LINEAR HYPOTHESIS FOR ANOVA.	MEIEP -04-GUF
ASTS.= BMD06V	GENERAL LINEAR HYPOTHESIS WITH CONTR	DIXOWJ-01-BVG
BMD05V	GENERAL LINEAR HYPOTHESIS.=	DIXOWJ- -BVG
A	GENERAL LINEAR HYPOTHESIS.=	MCKIRE- -GLH
F1-NIH-NIH 001F	GENERAL MATRIX INVERSION PROGRAM.=	DEPTHE-12-FNN
ORRELATION ANALYSIS AND	GENERAL MULTIPLE REGRESSION.=+ FOR C	HOFFPJ- -PCA
BMD05D,	GENERAL PLOT INCLUDING HISTOGRAM.=	DIXOWJ- -BDG
G0 UCM F02	GENERAL PLOT.=	MEIEP -25-GUF
IFIED BIMD +G2-UOC-MIX,	GENERALIZED STEPWISE REGRESSION (MOD	MEIEP -07-GUM
IFIED 09).= G2 UCM MIX	GENERALIZED STEPWISE REGRESSION (MOD	MEIEP -10-GUM
IFIED BIMD + G2 UOC MIX	GENERALIZED STEPWISE REGRESSION (MOD	MEIEP -11-GUM
SUBROUTINE TO	GENERATE A CHI-SQUARE DEVIATE WITH	DEPTHE-04-GNN
1MPC14-A PROGRAM THAT	GENERATES FREQUENCY TABLES.=	STERT -02-MPT
1MP022-A HISTOGRAM	GENERATING PROGRAM.=	STERT - -MHG
NORMAL TABLE	GENERATOR.=	OGBORE- -NTG
AND MASS RATIO	GENERATOR--A PROGRAM WHICH PREPARES	OGBORE- -MCM
NGLE CRYSTAL CRIENTER (	GENIOSTAT) COORDINATES'.= + NO 2 'SI	PATTAL-01-INS
TA REDUCTION FOR THE GE	GENIOSTAT'.= ICR NO 11 'DA	PATTAL- -IND
MORTALITY BY SELECTED	GESTATIONAL AND DEMOGRAPHIC CHARACTE	CARLJP- -PPA
MINANT FUNCTION SCORES+	GLASCOR--THE PROGRAM PRODUCES DISCRI	VELDDJ- -GPP

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AN EXAMINATION OF THE	GLYCINE-URATE HYPOTHESIS IN PRIMARY	NUGECA- -EGU
	GO HED FO2 CANONICAL CORRELATIONS.=	MEIEP - -GHF
TION.=	GO HED FO2 MAXIMUM CANONICAL CORRELA	MEIEP -01-GHF
CTIONS.=	GO HED FO2 MULTIPLE DISCRIMINANT FUN	MEIEP -07-GHF
E CONTROLS.=	GO HED FO2 TEST H**2, WITH COVARIANC	MEIEP -05-GHF
	GO UCM FO2 GENERAL PLOT.=	MEIEP -25-GUF
	GO UCM FO2 GUTTMAN SCALING NO 1.=	MEIEP -29-GUF
T 2).=	GO UCM FO2 GUTTMAN SCALING NO 2 (PAR	MEIEP -02-GUF
T 3).=	GO UCM FO2 GUTTMAN SCALING NO 2 (PAR	MEIEP -03-GUF
T 1).=	GO UCM FO2 GUTTMAN SCALING NO 2 (PAR	MEIEP -28-GUF
ATE.=	GO UCM FO2 LIFE TABLE AND SURVIVAL R	U OFOF- -GUF
IX.=	GO UCM FO2 ROTATION OF A FACTOR MATR	MEIEP -06-GUF
X).= 3	GO UCM FO2 SUBROUTINE ROTATE (VARIMA	MEIEP -08-GUF
L METHOD).=	GO UOC FO2 SURVIVAL TABLES (ACTUARIA	MEIEP -09-GUF
L METHOD).=	GO-UOC-BIN SURVIVAL TABLES (ACTUARIA	MEIEP - -GUB
RD DEVIATION.=	GO-UOC-FO2, WEIGHTED MEAN AND STANDA	MEIEP -01-GUF
RD DEVIATION.=	GO-UOC-FO2, WEIGHTED MEAN AND STANDA	MEIEP -13-GUF
C REGRESSION (LOGISTIC,	GOMPERTZ, ETC).= BMD06R, ASYMPTOTI	DIXOWJ- -BRA
E HYPOTHESIS IN PRIMARY	GOUT.= + OF THE GLYCINE-URAT	NUGECA- -EGU
TH AN ASSOCIATED LINEAR	GRAPH.= + DECOMPOSITION OF A SET WI	CHRIA - -HPH
FACTORS FOR A CRYSTAL	GROUND AS AN ALLIPSOID OF REVOLUTION	PATTAL- -INA
PROGRAM TO	GROUP DATA INTO SPECIFIED NUMBER OF	DIXOWJ-02-BDD
MULTIPLE	GROUP DISCRIMINANT ANALYSIS.=	ROSEG - -MGD
CHI-SQUARES REGARDING	GROUP MEMBERSHIP AND PROBABILITIES	VELDDJ- -GPP
A	GROUP MULTIPLE REGRESSION ANALYSIS.=	MEDICO- -GMR
THAT WILL READ A	GROUP OF SETS OF NUMBERS AND EXTRACT	DICKKW-01-KPT
IFICATION, WITH UNEQUAL	GROUP SIZES.=+ ONE VARIABLE OF CLASS	DIXOWJ- -BVM
S OF MEMBERSHIP IN EACH	GROUP.=+ MEMBERSHIP AND PROBABILITIE	VELDDJ- -GPP
MPLETE HIERARCHIAL +	GROUP--A PROGRAM WHICH PERFORMS A CO	VELDDJ- -GPW
A COMPLETE HIERARCHIAL	GROUPING ANALYSIS BASED ON DISTANCES	VELDDJ- -GPW
SYMMETRICAL PAIRED DATA	GROUPINGS.= + THE COEFFICIENTS FOR A	STERT - -MCC
ANALYSIS FOR SEVERAL	GROUPS A PROGRAM TO COMPUTE A SET	DIXOWJ-01-BMD
SPECIFIED NUMBER OF	GROUPS BASED ON THE ORDER OF ENTRY	DIXOWJ-02-BDD
AMONG A SET OF SUBJECT	GROUPS ON A SERIES OF DEPENDENT	VELDDJ-01-APD
PROGRAM FOR INDEPENDENT	GROUPS.= A T-TEST	BENDAW- -TTP
CRIMINANT ANALYSIS--TWO	GROUPS.= G1 UCM FO2 DIS	MEIEP -14-GUF
MINANT ANALYSIS-SEVERAL	GROUPS.= G1 UCM MIX DISCRI	MEIEP -06-GUM
CRIMINATION BETWEEN THE	GROUPS.= + USED AS AN INDEX FOR DIS	DIXOWJ- -BMD
UAL INTO ONE OF SEVERAL	GROUPS.= + OF CLASSIFYING AN INDIVID	DIXOWJ-01-BMD
EACH INDIVIDUAL OF TWO	GROUPS-THE FUNCTION IS THEN USED AS	DIXOWJ- -BMD
ANALYSIS FOR TWO	GROUPS, A PROGRAM THAT COMPUTES A	DIXOWJ- -BMD
ANCE BETWEEN AND WITHIN	GROUPS, COMPARES WITH F-TEST.=+ VARI	STERT - -MOW
	GROWTH CURVES.=	KRONLH- -GC
A HUMAN	GROWTH HORMONE ASSAY PROGRAM.=	BECKP - -HGH
SINGLE PLANE, VISUALLY	GUIDED ROTATION.= + FOR MULTIPLE,	CATTRB- -RPM
SIGNS PROPER + BMD05S	GUTTMAN SCALE NO 1 A PROGRAM THAT AS	DIXOWJ-01-BSG
THAT PERFORMS + BMD06S	GUTTMAN SCALE NO 2 PART 1 A PROGRAM	DIXOWJ-02-BSG
M THAT PERFORMS +BMD07S	GUTTMAN SCALE NO 2 PART 2 THE PROGRA	DIXOWJ-03-BSG
M THAT PERFORMS +BMD08S	GUTTMAN SCALE NO 2 PART 3 THE PROGRA	DIXOWJ-04-BSG
MAJOR COMPUTATIONS OF	GUTTMAN SCALE NO 2 RESPONDENTS ARE	DIXOWJ-03-BSG
THE FINAL STEPS OF	GUTTMAN SCALE NO 2 SCORES ARE ASSIGN	DIXOWJ-04-BSG
S THE INITIAL STEPS FOR	GUTTMAN SCALE NO 2.= + THAT PERFORM	DIXOWJ-02-BSG
THAT PERFORMS +BMD04S,	GUTTMAN SCALE PREPROCESSOR A PROGRAM	DIXOWJ- -BSG
THE CASES AND ASSIGNS A	GUTTMAN SCALE SCORE FOR EACH CASE.=	DIXOWJ-01-BSG

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	GO UCM FO2 GUTTMAN SCALING NO 1.=	MEIEP -29-GUF
	GO UCM FO2 GUTTMAN SCALING NO 2 (PART 1).=	MEIEP -28-GUF
	GO UCM FO2 GUTTMAN SCALING NO 2 (PART 2).=	MEIEP -02-GUF
	GO UCM FO2 GUTTMAN SCALING NO 2 (PART 3).=	MEIEP -03-GUF
DISCRIMINANT OR FACTO+	G1 HED FO2 CENTROIDS, DISPERSIONS IN	MEIEP -02-GHF
	G1 UCM DATA SCREENING NO 3.=	MEIEP - -GUD
	G1 UCM FO2 CROSS TABULATION NO 1.=	MEIEP -24-GUF
	G1 UCM FO2 CROSS TABULATION NO 2.=	MEIEP -22-GUF
DIFIED 23).=	G1 UCM FO2 CROSS TABULATION NO 3 (MO	MEIEP -21-GUF
	G1 UCM FO2 DATA PATTERNS-DICROTOMY.=	MEIEP -23-GUF
.=	G1 UCM FO2 DATA PATTERNS-POLYCHOTOMY	MEIEP -26-GUF
O GROUPS.=	G1 UCM FO2 DISCRIMINANT ANALYSIS--TW	MEIEP -14-GUF
INE NC 3.=	G1 UCM FO2 SIMPLE MISSING VALUE ROUT	MEIEP -27-GUF
	G1 UCM MIX DATA SCREENING NO 1.=	MEIEP -13-GUM
	G1 UCM MIX DATA SCREENING NO 2.=	MEIEP -14-GUM
	G1 UCM MIX DATA SCREENING NO 4.=	MEIEP -12-GUM
ERAL GROUPS.=	G1 UCM MIX DISCRIMINANT ANALYSIS-SEV	MEIEP -06-GUM
ICAL DATA REDUCTION.=	G1-HEDP-CORANL-A PROGRAM FOR STATIST	DEPTHE- -GHC
LATION PROGRAM.=	G1-NIH-NIH001G A PRE-POST EDIT CORRE	DEPTHE-15-GNN
IONS PROGRAM.=	G1-NIH-NIH002G-A PERCENTILE COMPUTAT	DEPTHE-27-GNN
STABULATIONS OF FREQUE+	G1-NIH-NIH003G-TWO AND THREEWAY CROS	DEPTHE-28-GNN
THE MAXIMUM LIKELIHOO+	G1-NIH-NIH004G--A PROGRAM TO COMPUTE	DEPTHE-13-GNN
RAM TO TEST RAW INPUT +	G1-NIH-NIH005G-DATA SCREENING A PROG	DEPTHE-29-GNN
	G1-UCM CHI-SQUARE PROGRAM.=	BRUNRE- -GUC
	G1-UCM-FO2--GENERAL CHI-SQUARE.=	MEIEP - -GUF
	G2 HED FO2 CORRELATION ANALYSIS.=	MEIEP -06-GHF
	G2 HED FO2 MULTIPLE REGRESSION.=	MEIEP -08-GHF
	G2 UCM FO2 COMPONENT ANALYSIS.=	MEIEP -07-GUF
PLE REGRESSION AND +	G2 UCM FO2 FORTRAN SUBROUTINE--MULTI	MEIEP -16-GUF
ORRELATION ANALYSIS.=	G2 UCM FO2 MULTIPLE REGRESSION AND C	MEIEP -20-GUF
NCIPAL COMPONENTS.=	G2 UCM FO2 REGRESSION ON PRIMARY PRI	U OFOF-01-GUF
ION.=	G2 UCM FO2 STEPWISE MULTIPLE REGRESS	MEIEP -15-GUF
H PLOT).=	G2 UCM MIX CORRELATION ANALYSIS (WIT	MEIEP -05-GUM
ESSION (MODIFIED 09).=	G2 UCM MIX GENERALIZED STEPWISE REGR	MEIEP -10-GUM
	G2 UCM MIX PERIODIC REGRESSION.=	MEIEP -09-GUM
	G2 UCM MIX POLYNOMIAL REGRESSION.=	MEIEP -08-GUM
	G2 UCM PROBIT ANALYSIS (DUMMY).=	MEIEP - -GUP
ESSION (MODIFIED BIMD +	G2 UOC MIX GENERALIZED STEPWISE REGR	MEIEP -11-GUM
PECTRAL ANALYSIS.=	G2-HADF-ACSASM AUTOCORRELATION AND S	DEPTHE- -GHA
ESSION, STEPWISE METHO+	G2-NIH-NIH009G--MULTIPLE LINEAR REGR	DEPTHE-21-GNN
.=	G2-NIH-NIH008G A CORRELATION PROGRAM	DEPTHE-16-GNN
CNS PROGRAM TO COMPUTE+	G2-NIH-NIH010G A CANONICAL CORRELATI	DEPTHE-17-GNN
CN PROGRAM.=	G2-NIH-NIH011G A DISCRIMINANT FUNCTI	DEPTHE-18-GNN
ROGRAM TO SELECT FOR +	G2-NIH-NIH012G--A PREDICTED VALUES P	DEPTHE-23-GNN
THE MINIMUM NUMBER OF +	G2-NIH-NIH013G--A PROGRAM TO SELECT	DEPTHE-22-GNN
=	G2-NIH-NIH014G--MULTIPLE REGRESSION.	DEPTHE-24-GNN
M A PRINCIPLE COMPONEN+	G2-NIH-NIH015G-- A PROGRAM TO PERFOR	DEPTHE- -GNN
AND PRINT MEANS, STAN+	G2-NIH-NIH019G--A PROGRAM TO COMPUTE	DEPTHE-19-GNN
MUM LIKELIHOOD METHOD)+	G2-NIH-NIH020G FACTOR ANALYSIS (MAXI	DEPTHE-01-GNN
THER SOME SPECIFIC +	G2-NIH-NIH022G-A PROGRAM TO TEST WHE	DEPTHE-02-GNN
Y IN MULTIPLE REGRESSI+	G2-NIH-NIH023G-PRINCIPLE OF PARSIMON	DEPTHE-25-GNN
HOOD ESTIMATE OF FACTO+	G2-NIH-NIH024G LAWLEY MAXIMUM LIKELI	DEPTHE-03-GNN
D MEANS.=	G2-NIH-NIH026G--T-TEST FOR CORRELATE	DEPTHE-09-GNN
NEW VARIABLES FOR CORR+	G2-NIH-NIH027G A PROGRAM TO COMPUTE	DEPTHE-20-GNN

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BY ORTHOGONAL POLYNOMI+	G2-NIH-NIH147-POLYNOMIAL REGRESSION	DEPTHE-26-GNN
GISTIC, GOMPERTZ, ETC)+	G2-UCM-FO2 ASYMPTOTIC REGRESSION (LO	MEIEP -17-GUF
ORRELATION ANALYSIS +	G2-UCM-FO2 MULTIPLE REGRESSION AND C	MEIEP -19-GUF
MODIFIED 06).=	G2-UCM-FO2 MULTIPLE REGRESSION NO3 (	MEIEP -18-GUF
RESSION (MODIFIED BIMD+	G2-UOC-MIX, GENERALIZED STEPWISE REG	MEIEP -07-GUM
TOR MATRIX (KAISER).=	G3 HED FO2 VARIMAX ROTATION OF A FAC	MEIEP -03-GHF
.=	G3 UCM MIX TIME SERIES ANALYSIS NO 1	MEIEP -01-GUM
.=	G3 UCM MIX TIME SERIES ANALYSIS NO 2	MEIEP - -GUM
OF VARIANCE COV. ADJU+	G4 HED FO2 TWO TO THREE WAY ANALYSIS	MEIEP -04-GHF
	G4 UCM FOR ANALYSIS OF COVARIANCE.=	MEIEP -11-GUA
OR ANOVA.=	G4 UCM FO2 GENERAL HYPOTHESIS NO 2 F	MEIEP -05-GUF
FOR ANOVA.=	G4 UCM FO2 GENERAL LINEAR HYPOTHESIS	MEIEP -04-GUF
	G4 UCM MIX ANALYSIS OF COVARIANCE.=	MEIEP -03-GUM
.=	G4 UCM MIX ANALYSIS OF VARIANCE NO 2	MEIEP -04-GUM
=	G4 UCM MIX ANALYSIS OF VARIANCE NO1.	MEIEP -02-GUM
F VARIANCE PROGRAM.=	G4-NIH-NIH018G--A ONE WAY ANALYSIS O	DEPTHE-12-GNN
TE A CHI-SQUARE DEVIAT+	G5-NIH-NIH015-A SUBROUTINE TO GENERA	DEPTHE-04-GNN
VARIOUS STATISTICS +	G6-NIH-NIH017G A PROGRAM TO COMPUTE	DEPTHE-14-GNN
ORDINATE AND/OR AREA +	G6-NIH-NIH019--A PROGRAM TO COMPUTE	DEPTHE-07-GNN
A TABLE LOOKUP OF THE +	G6-NIH-NIH020--A PROGRAM TO PERFORM	DEPTHE-06-GNN
INDIVIDUAL AND TOTAL +	G6-NIH-NIH021--A PROGRAM TO COMPUTE	DEPTHE-05-GNN
THE ABSCISSA FROM THE +	G6-NIH-NIH022--A PROGRAM TO COMPUTE	DEPTHE-08-GNN
OOKUP PROGRAM.=	G6-NIH-NIH023--A STUDENT'S T TABLE L	DEPTHE-11-GNN
THE CHI-SQUARE OF THE +	G6-NIH-NIH120--A PROGRAM TO COMPUTE	DEPTHE-10-GNN
GO HED FO2 TEST	H**2, WITH COVARIANCE CONTROLS.=	MEIEP -05-GHF
PATTERNS, FORM	H, THIS PROGRAM FINDS THE HIGHEST	DICKKW-01-KAP
TRAL ANALYSIS.= G2-	HADF-ACSASM AUTOCORRELATION AND SPEC	DEPTHE- -GHA
AL FIT.= E2-	HADF-POLFDTP--LEAST SQUARES POLYNOMI	DEPTHE- -EHP
R INTERPOLATION + E1-	HADM--NBINTR--TABLE LOOKUP AND LINEA	DEPTHE- -EHN
TERMINANTS OF REAL +F3-	HADM-NADETR A PROGRAM TO EVALUATE DE	DEPTHE-01-FHN
ERPOLATION.= E1-	HADM-NAINTP--MULTIVARIATE LINEAR INT	DEPTHE-02-EHN
PLEX MATRICES.= F4-	HADM-NAINVS INVERSION OF REAL OR COM	DEPTHE-02-FHN
MULTIPLICATION.= F1-	HADM-NAMULT REAL AND COMPLEX MATRIX	DEPTHE- -FHN
TERPOLATION, A PROG+E1-	HADM-NBBIVA--LAGRANGIAN BIVARIATE IN	DEPTHE-01-EHN
INGULAR SQUARE MATR+F4-	HADM-NBMATX INVERSION OF A REAL NONS	DEPTHE-03-FHN
TANEOUS EQUATIONS.= F4-	HADM-SHINVR A PROGRAM TO SOLVE SIMUL	DEPTHE- -FHS
GREE LAGRANGIAN + E1-	HADM-TEAARD--A THREE POINT SECOND DE	DEPTHE- -EHT
TERPOLATION, A PROG+E1-	HADM-TEDUBL--LAGRANGIAN BIVARIATE IN	DEPTHE-01-EHT
PROGRAM TO COMPUTE	HALF-LIFE OF EACH CHANNEL OF A SPECT	OGBORE- -PTP
PERIODIC REGRESSION AND	HARMONIC ANALYSIS, A PROGRAM THAT	DIXOWJ- -BRP
SERIES UP TO THE NINTH	HARMONIC.= + SQUARES A TRIGONOMETRIC	DIXOWJ- -BRP
MBERS TO IDENTIFY CASES	HAVING THESE DATA PATTERNS.=+CASE NU	DIXOWJ-01-BDD
TWO-DIMENSIONAL SYSTEM	HAVING UNEQUAL NUMBER OF OBSERVATION	STERT -01-MPD
PROCESS OF STIMULI OVER	HEART TISSUE.= + OF THE PROPAGATION	RHEIWC- -MMP
GO	HED FO2 CANONICAL CORRELATIONS.=	MEIEP - -GHF
SCRIMINANT OR FACTOR+G1	HED FO2 CENTROIDS, DISPERSIONS IN DI	MEIEP -02-GHF
G2	HED FO2 CORRELATION ANALYSIS.=	MEIEP -06-GHF
REAL SYMMETERIC + F2	HED FO2 EIGENVALUES AND VECTORS OF A	MEIEP - -FHF
NONSYMMETRIC MATRIX+F2	HED FO2 EIGENVECTORS AND VALUES OF A	MEIEP -01-FHF
N.= GO	HED FO2 MAXIMUM CANONICAL CORRELATIO	MEIEP -01-GHF
CNS.= GO	HED FO2 MULTIPLE DISCRIMINANT FUNCTI	MEIEP -07-GHF
G2	HED FO2 MULTIPLE REGRESSION.=	MEIEP -08-GHF
S CORR OR DISPER + F2	HED FO2 PRINCIPAL COMPONENTS ANALYSI	MEIEP -02-FHF
S (RAW SCORES).= F2	HED FO2 PRINCIPAL COMPONENTS ANALYSI	MEIEP -03-FHF

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CNTROLS.= GO	HED FO2 TEST H**2, WITH COVARIANCE C	MEIEP -05-GHF
VARIANCE COV. ADJUS+G4	HED FO2 TWO TO THREE WAY ANALYSIS OF	MEIEP -04-GHF
MATRIX (KAISER).= G3	HED FO2 VARIMAX ROTATION OF A FACTOR	MEIEP -03-GHF
L DATA REDUCTION.= G1-	HEDP-CORANL-A PROGRAM FOR STATISTICA	DEPTHE- -GHC
NCES BETWEEN MEANS WITH	HETEROGENEOUS VARIANCE.=+FOR DIFFERE	STERT - -MPT
L ANALYSIS OF VARIANCE,	HI-AOV.= A PROGRAM FOR HIERARCHICA	PULLG - -PHA
TO LIST THE + XTAB10 (	HI-LOW PROGRAM) A SCREENING PROGRAM	MASSFJ- -XHL
ICAL DECOMPOSITION OF +	HIDECS 2--A PROGRAM FOR THE HIERARCH	CHRIA - -HPH
PERFORMS A COMPLETE	HIERARCHIAL GROUPING ANALYSIS BASED	VELDDJ- -GPW
I-AOV.= A PROGRAM FOR	HIERARCHICAL ANALYSIS OF VARIANCE, H	PULLG - -PHA
2--A PROGRAM FOR THE	HIERARCHICAL DECOMPOSITION OF A SET	CHRIA - -HPH
ICH WILL PRINT ONLY THE	HIGH AGREEMENTS PER PERSON.= + WH	DICKKW- -KRA
KSL 2.30-	HIGHER ORDER PARTIAL CORRELATIONS.=	DICKKW- -KHO
THIS PROGRAM FINDS THE	HIGHEST AGREEMENT SCORE AMONG ALL	DICKKW-01-KAP
IMP022-A	HISTOGRAM GENERATING PROGRAM.=	STERT - -MHG
PROGRAM THAT PLOTS A	HISTOGRAM OF PERCENTAGE DIFFERENCES.	NICHHC-10-TTH
GENERAL PLOT INCLUDING	HISTOGRAM.= BMD05D,	DIXOWJ- -BDG
STOGRAM OF ET-TEST WITH	HISTOGRAM--A PROGRAM THAT PLOTS A HI	NICHHC-10-TTH
11--ONE WAY TABLES WITH	HISTOGRAMS PLOT.= XTAB	MASSFJ- -XOW
RED ONE-WAY TABLES WITH	HISTOGRAMS.= XTAB12--PAI	MASSFJ- -XPO
OF STRATA WITH	HISTOGRAMS--A PROGRAM TO GROUP DATA	DIXOWJ-02-BDD
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THAT PERFORMS THE	MAJOR COMPUTATIONS OF GUTTMAN SCALE	DIXOWJ-03-BSG
NO 6 'FOURIER DATA TAPE	MAKER'.= ICR	PATTAL- -INF
M AND LEAST-SQUARES SUM	MAKER'.=+ 4 'STRUCTURE FACTOR PROGRA	PATTAL- -INS
SUMMARY PROGRAM WHICH	MAKES TABLES FOR ALL POSSIBLE COMBIN	SAKOJM- -TTS
EQUATIONS IN A STEPWISE	MANNER.=+MULTIPLE LINEAR REGRESSION	DIXOWJ-01-BRS
M FOR FACTOR ANALYSIS.+	MAPS A SYSTEM OF INTERRELATED PROGRA	WEXLJD- -MSI
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 ABSCISSA FROM THE +G6- NIH-NIH022--A PROGRAM TO COMPUTE THE  DEPTHE-08-GNN
R SOME SPECIFIC +   G2- NIH-NIH022G-A PROGRAM TO TEST WHETHE  DEPTHE-02-GNN
UP PROGRAM.=        G6- NIH-NIH023--A STUDENT'S T TABLE LOOK  DEPTHE-11-GNN
N MULTIPLE REGRESSI+G2- NIH-NIH023G-PRINCIPLE OF PARSIMONY I  DEPTHE-25-GNN
D ESTIMATE OF FACTO+G2- NIH-NIH024G LAWLEY MAXIMUM LIKELIHOO  DEPTHE-03-GNN
EANS.=              G2- NIH-NIH026G--T-TEST FOR CORRELATED M  DEPTHE-09-GNN
 VARIABLES FOR CORR+G2- NIH-NIH027G A PROGRAM TO COMPUTE NEW  DEPTHE-20-GNN
RAM TO COMPUTE THE +EA- NIH-NIH110--FOURIER ANALYSIS, A PROG  DEPTHE-  -ENN
LEX METHOD).=       H1- NIH-NIH119--LINEAR PROGRAMMING (SIMP  DEPTHE-  -HNN
 CHI-SQUARE OF THE +G6- NIH-NIH120--A PROGRAM TO COMPUTE THE  DEPTHE-10-GNN
PROGRAM.=           E2- NIH-NIH122--NONLINEAR LEAST SQUARES   DEPTHE-01-ENN
ORTHOGONAL POLYNOMI+G2- NIH-NIH147-POLYNOMIAL REGRESSION BY   DEPTHE-26-GNN
 STEPWISE METHO+G2-NIH- NIH009G--MULTIPLE LINEAR REGRESSION,  DEPTHE-21-GNN
PROGRAM.=        G1-NIH- NIH001G A PRE-POST EDIT CORRELATION   DEPTHE-15-GNN
R PROFILE ANALY+F1-NIH- NIH002F--WITHIN COVARIANCE MATRIX FO  DEPTHE-11-FNN
OGRAM.=          G1-NIH- NIH002G-A PERCENTILE COMPUTATIONS PR  DEPTHE-27-GNN
IX MULTIPLICATI+F2-NIH- NIH003F EIGENVALUES-VECTORS AND MATR  DEPTHE-04-FNN
TIONS OF FREQUE+G1-NIH- NIH003G-TWO AND THREEWAY CROSSTABULA  DEPTHE-28-GNN
IX INTO NEARLY +F1-NIH- NIH004 A PROGRAM TO TRANSFORM A MATR  DEPTHE-  -FNN
XIMUM LIKELIHOO+G1-NIH- NIH004G--A PROGRAM TO COMPUTE THE MA  DEPTHE-13-GNN
LINEAR EQUATION+F1-NIH- NIH005 MATRIX INVERSION-SOLUTION OF   DEPTHE-02-FNN
TEST RAW INPUT +G1-NIH- NIH005G-DATA SCREENING A PROGRAM TO   DEPTHE-29-GNN
NVECTORS FROM + F2-NIH- NIH007 A PROGRAM TO COMPUTE THE EIGE  DEPTHE-05-FNN
 SYMMETRIC MATR+F2-NIH- NIH008 EIGENVALUES-VECTORS OF A REAL  DEPTHE-06-FNN
               G2-NIH- NIH008G A CORRELATION PROGRAM.=        DEPTHE-16-GNN
METRIC MATRIX.= F2-NIH- NIH010 EIGENVALUES-VECTORS OF NONSYM  DEPTHE-07-FNN
GRAM TO COMPUTE+G2-NIH- NIH010G A CANONICAL CORRELATIONS PRO  DEPTHE-17-GNN
ERMINANT OF A + F3-NIH- NIH011 A PROGRAM TO EVALUATE THE DET  DEPTHE-08-FNN
RAM.=           G2-NIH- NIH011G A DISCRIMINANT FUNCTION PROG  DEPTHE-18-GNN
                F1-NIH- NIH012 MATRIX INVERSION.=             DEPTHE-03-FNN
TO SELECT FOR + G2-NIH- NIH012G--A PREDICTED VALUES PROGRAM   DEPTHE-23-GNN
SOLUTION OF A + F4-NIH- NIH013 A PROGRAM TO OBTAIN A VECTOR   DEPTHE-09-FNN
IMUM NUMBER OF +G2-NIH- NIH013G--A PROGRAM TO SELECT THE MIN  DEPTHE-22-GNN
QUATION BY THE +F4-NIH- NIH014 SOLUTION OF A LINEAR MATRIX E  DEPTHE-10-FNN
               G2-NIH- NIH014G--MULTIPLE REGRESSION.=         DEPTHE-24-GNN
I-SQUARE DEVIAT+G5-NIH- NIH015-A SUBROUTINE TO GENERATE A CH  DEPTHE-04-GNN
NCIPLE COMPONEN+G2-NIH- NIH015G-- A PROGRAM TO PERFORM A PRI  DEPTHE-  -GNN
 STATISTICS +   G6-NIH- NIH017G A PROGRAM TO COMPUTE VARIOUS   DEPTHE-14-GNN
NCE PROGRAM.=   G4-NIH- NIH018G--A ONE WAY ANALYSIS OF VARIA  DEPTHE-12-GNN
E AND/OR AREA + G6-NIH- NIH019--A PROGRAM TO COMPUTE ORDINAT  DEPTHE-07-GNN
INT MEANS, STAN+G2-NIH- NIH019G--A PROGRAM TO COMPUTE AND PR  DEPTHE-19-GNN
 LOOKUP OF THE +G6-NIH- NIH020--A PROGRAM TO PERFORM A TABLE  DEPTHE-06-GNN
ELIHOOD METHOD)+G2-NIH- NIH020G FACTOR ANALYSIS (MAXIMUM LIK  DEPTHE-01-GNN
UAL AND TOTAL + G6-NIH- NIH021--A PROGRAM TO COMPUTE INDIVID  DEPTHE-05-GNN
CISSA FROM THE +G6-NIH- NIH022--A PROGRAM TO COMPUTE THE ABS  DEPTHE-08-GNN
ME SPECIFIC +   G2-NIH- NIH022G-A PROGRAM TO TEST WHETHER SO  DEPTHE-02-GNN
ROGRAM.=        G6-NIH- NIH023--A STUDENT'S T TABLE LOOKUP P  DEPTHE-11-GNN
LTIPLE REGRESSI+G2-NIH- NIH023G-PRINCIPLE OF PARSIMONY IN MU  DEPTHE-25-GNN
TIMATE OF FACTO+G2-NIH- NIH024G LAWLEY MAXIMUM LIKELIHOOD ES  DEPTHE-03-GNN
.=              G2-NIH- NIH026G--T-TEST FOR CORRELATED MEANS  DEPTHE-09-GNN
IABLES FOR CORR+G2-NIH- NIH027G A PROGRAM TO COMPUTE NEW VAR  DEPTHE-20-GNN
TO COMPUTE THE +EA-NIH- NIH110--FOURIER ANALYSIS, A PROGRAM   DEPTHE-  -ENN
METHOD).=       H1-NIH- NIH119--LINEAR PROGRAMMING (SIMPLEX   DEPTHE-  -HNN
-SQUARE OF THE +G6-NIH- NIH120--A PROGRAM TO COMPUTE THE CHI  DEPTHE-10-GNN
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RAM.=            E2-NIH-  NIH122--NONLINEAR LEAST SQUARES PROG  DEPTHE-01-ENN
OGONAL POLYNOMI+G2-NIH-  NIH147-POLYNOMIAL REGRESSION BY ORTH  DEPTHE-26-GNN
METRIC SERIES UP TO THE  NINTH HARMONIC.= + SQUARES A TRIGONO  DIXOWJ-  -BRP
IER SUMMATION PROGR+ICR  NO 1 'THREE AND TWO DIMENSIONAL FOUR  PATTAL-  -INT
   BMD05S GUTTMAN SCALE  NO 1 A PROGRAM THAT ASSIGNS PROPER    DIXOWJ-01-BSG
 UCM MIX DATA SCREENING  NO 1.=                          G1    MEIEP -13-GUM
UCM F02 GUTTMAN SCALING  NO 1.=                          GO    MEIEP -29-GUF
CM F02 CROSS TABULATION  NO 1.=                        G1 U    MEIEP -24-GUF
IX TIME SERIES ANALYSIS  NO 1.=                     G3 UCM M   MEIEP -01-GUM
TAL GROUND AS AN +  ICR  NO 10 'ABSORPTION FACTORS FOR A CRYS  PATTAL-  -INA
IOSTAT'.=           ICR  NO 11 'DATA REDUCTION FOR THE GE GEN  PATTAL-  -IND
UTINE'.=            ICR  NO 12 'WEISSENBERG DATA REDUCTION RO  PATTAL-  -INW
ANGLES'.=           ICR  NO 13-14 'INTERATOMIC DISTANCES AND   PATTAL-  -INI
                    ICR  NO 15 'MINIMUM FUNCTION PROGRAM'.=    PATTAL-  -INM
UCM F02 GUTTMAN SCALING  NO 2 (PART 1).=                 GO    MEIEP -28-GUF
UCM F02 GUTTMAN SCALING  NO 2 (PART 2).=                 GO    MEIEP -02-GUF
UCM F02 GUTTMAN SCALING  NO 2 (PART 3).=                 GO    MEIEP -03-GUF
STAT) COORDINATES'.+ICR  NO 2 'SINGLE CRYSTAL ORIENTER (GENIO  PATTAL-01-INS
 F02 GENERAL HYPOTHESIS  NO 2 FOR ANOVA.=             G4 UCM    MEIEP -05-GUF
   BMD06S GUTTMAN SCALE  NO 2 PART 1 A PROGRAM THAT PERFORMS   DIXOWJ-02-BSG
S +BMD07S GUTTMAN SCALE  NO 2 PART 2 THE PROGRAM THAT PERFORM  DIXOWJ-03-BSG
S +BMD08S GUTTMAN SCALE  NO 2 PART 3 THE PROGRAM THAT PERFORM  DIXOWJ-04-BSG
       OF GUTTMAN SCALE  NO 2 RESPONDENTS ARE RANKED BY THE    DIXOWJ-03-BSG
 STEPS OF GUTTMAN SCALE  NO 2 SCORES ARE ASSIGNED.=+THE FINAL  DIXOWJ-04-BSG
 UCM MIX DATA SCREENING  NO 2.=                          G1    MEIEP -14-GUM
CM F02 CROSS TABULATION  NO 2.=                        G1 U    MEIEP -22-GUF
IX TIME SERIES ANALYSIS  NO 2.=                     G3 UCM M   MEIEP -  -GUM
IX ANALYSIS OF VARIANCE  NO 2.=                     G4 UCM M   MEIEP -04-GUM
STEPS FOR GUTTMAN SCALE  NO 2.=  + THAT PERFORMS THE INITIAL   DIXOWJ-02-BSG
CM F02 CROSS TABULATION  NO 3 (MODIFIED 23).=          G1 U    MEIEP -21-GUF
  G1 UCM DATA SCREENING  NO 3.=                                MEIEP -  -GUD
E MISSING VALUE ROUTINE  NO 3.=              G1 UCM F02 SIMPL  MEIEP -27-GUF
EAST-SQUARES SUM +  ICR  NO 4 'STRUCTURE FACTOR PROGRAM AND L  PATTAL-  -INS
 UCM MIX DATA SCREENING  NO 4.=                          G1    MEIEP -12-GUM
                    ICR  NO 6 'FOURIER DATA TAPE MAKER'.=      PATTAL-  -INF
ARAMETER SHIFTER'.= ICR  NO 7 'LEAST-SQUARES SUM SOLVER AND P  PATTAL-01-INL
                    ICR  NO 8 'LEAST-SQUARE PLANE PROGRAM'.=   PATTAL-  -INL
PLANE'.=            ICR  NO 9 'POINT-BY-POINT FOURIER IN ANY   PATTAL-  -INP
CRETE, BISTABLE (YES OR  NO) DATA.=    + COEFFICIENTS FOR DIS  STERT -01-MPT
                      A  NON-LINEAR ESTIMATION PROGRAM.=       PETETI-  -NLE
F LEAST SQUARES.=        NON-LINEAR REGRESSION BY CRITERION O  BEJAGG-  -NLR
                         NON-LINEAR REGRESSION SUBROUTINE.=    BALLWE-  -NLR
PROGRAM.=                A  NON-PARAMETRIC STATISTICAL ANALYSIS  DAMMRA-  -NPS
            E2 UOC F02   NONLINEAR ESTIMATION (BSCC VERS 1).=  MEIEP -  -EUF
      000077-E2-UOC BIN  NONLINEAR ESTIMATION (BSCC VERS 1).=  MEIEP -01-EUB
C METHOD).=  E2 UCC BIN  NONLINEAR ESTIMATION (VARIABLE METRI  MEIEP -  -EUB
C METHOD).=  E2 UOC F02  NONLINEAR ESTIMATION (VARIABLE METRI  MEIEP -01-EUF
        E2-NIH-NIH122--  NONLINEAR LEAST SQUARES PROGRAM.=     DEPTHE-01-ENN
  PROGRAM FOR FACTORING  NONLINEAR OR NONMETRIC DATA.=         LINGJC-  -SDA
 FACTORING NONLINEAR OR  NONMETRIC DATA.=       + PROGRAM FOR  LINGJC-  -SDA
    INVERSION OF A REAL  NONSINGULAR SQUARE MATRIX.=           DEPTHE-03-FHN
      FOR SYMMETRIC AND  NONSYMMETRIC CORRELATION MATRICES     DAS RS-  -UPP
 EIGENVALUES-VECTORS OF  NONSYMMETRIC MATRIX.=  F2-NIH-NIH010  DEPTHE-07-FNN
VECTORS AND VALUES OF A  NONSYMMETRIC MATRIX.=+ HED F02 EIGEN  MEIEP -01-FHF
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SAMPLES FROM A	NORMAL DISTRIBUTION WITH SPECIFIED	DICKKW-01-KCS
	NORMAL TABLE GENERATOR.=	OGBORE- -NTG
A PROGRAM FOR	NORMALIZED VARIMAX FACTOR ROTATION.=	BENDAW- -PNV
R SOLUTIONS.=	NORMALIZED VARIMAX ROTATION OF FACTO	OVERJE- -NVR
TE PROFILE CLASSIFICAT+	NORMALIZED VECTOR PRODUCT MULTIVARIA	OVERJE- -NVP
IX ANALYSIS OF VARIANCE	NO1.= G4 UCM M	MEIEP -02-GUM
F02 MULTIPLE REGRESSION	NO3 (MODIFIED 06).= G2-UCM-	MEIEP -18-GUF
FOR THREE AREAS AND	NTAPES--A PROGRAM WHICH COMPUTES	OGBORE- -TST
PROGRAM TO LIST THE	NUMBER AND PERCENTS OF CASES OF A	MASSFJ- -XHL
SPECTRUM FROM VARIABLE	NUMBER OF CASES.=+COMPUTE A STANDARD	OGBORE- -POF
VARIABLE	NUMBER OF CHANNELS BY A COMMON FACTO	OGBORE- -FMM
DISTRIBUTION GIVEN THE	NUMBER OF DEGREES OF FREEDOM AND	SULZES- -PCO
DISTRIBUTION GIVEN THE	NUMBER OF DEGREES OF FREEDOM AND	SULZES-01-PCO
URIER SERIES AT A GIVEN	NUMBER OF EQUALLY SPACED POINTS.=+FO	DEPTHE- -ENN
DATA INTO SPECIFIED	NUMBER OF GROUPS BASED ON THE ORDER	DIXOWJ-02-BDD
TO SELECT THE MINIMUM	NUMBER OF INDEPENDENT VARIABLES TO	DEPTHE-22-GNN
SYSTEM HAVING UNEQUAL	NUMBER OF OBSERVATIONS IN THE CELLS.	STERT -01-MPD
READ A GROUP OF SETS OF	NUMBERS AND EXTRACT THE LARGEST	DICKKW-01-KPT
DATA AND ITEM	NUMBERS OR CASE NUMBERS TO IDENTIFY	DIXOWJ-01-BDD
ITEM NUMBERS OR CASE	NUMBERS TO IDENTIFY CASES HAVING	DIXOWJ-01-BDD
TRAPEZOIDAL RULE FOR	NUMERICAL EVALUATION OF THE INTEGRAL	CLEMWC- -CFR
FILON'S FORMULA FOR	NUMERICAL EVALUATION OF THE INTEGRAL	CLEMWC-01-CFR
	NUMERICAL TAXONOMY.=	FLAKR - -NT
ALYSIS USING EITHER THE	OBLIMAX OR VERIMAX CRITERION.= + AN	BRIDDA- -SSA
.= A PROGRAM FOR THE	OBLIMAX ROTATION TO SIMPLE STRUCTURE	NICKMR- -POR
CLASSIFICATION, SINGLE	OBSERVATION.= TWO VARIABLES OF	MCMACA- -TVC
AVING UNEQUAL NUMBER OF	OBSERVATIONS IN THE CELLS.=+SYSTEM H	STERT -01-MPD
ORRELATION PROGRAM WITH	OBSERVATIONS MISSING CWOM.= A C	VANDJM- -CPO
PAIRING	OBSERVATIONS.=	MCMACA- -PO
A PROGRAM TO	OBTAIN A VECTOR SOLUTION OF A SET	DEPTHE-09-FNN
STANDARD-A PROGRAM TO	OBTAIN COMPARABLY LOCATED AND DISPER	VELDDJ- -SPO
PLE CORRELATION MATRIX,	OMITTING UNDESIRED VARIABLES.=+A SIM	DIXOWJ-01-BDC
PUTE A STANDARD + PHASE	ONE FLUX CORRECTED--A PROGRAM TO COM	OGBORE- -POF
YING AN INDIVIDUAL INTO	ONE OF SEVERAL GROUPS.= + OF CLASSIF	DIXOWJ-01-BMD
THE HYPOTHESIS THAT	ONE OF TWO RANDOM VARIABLES IS STOCH	STERT - -MMT
DEPENDENT VARIABLE AND	ONE OR MORE INDEPENDENT VARIABLES.=	DIXOWJ- -BRS
AND PATTERNS OF ANY	ONE PARTICULAR SPECIFIED CODE IN	DIXOWJ- -BDD
SPECIFIED INTERVALS OF	ONE VARIABLE AND COMPUTE SIMPLE	DIXOWJ-03-BDD
OF VARIANCE TABLE, FOR	ONE VARIABLE OF CLASSIFICATION,	DIXOWJ- -BVM
.= G4-NIH-NIH018G--A	ONE WAY ANALYSIS OF VARIANCE PROGRAM	DEPTHE-12-GNN
THAT COMPUTES+1MP005--	ONE WAY ANALYSIS OF VARIANCE PROGRAM	STERT - -MOW
= XTAB11--	ONE WAY TABLES WITH HISTOGRAMS PLOT.	MASSFJ- -XOW
THAT PRINTS PATTERNS OF	ONE-COLUMN DATA AND ITEM NUMBERS OR	DIXOWJ-01-BDD
TCHS1-	ONE-FACTOR ANALYSIS OF VARIANCE.=	FRAN - -TOF
SIMPLE	ONE-WAY ANALYSIS OF COVARIANCE.=	OVERJE- -SOW
	ONE-WAY ANALYSIS OF VARIANCE.=	OVERJE- -OWA
XTAB12--PAIRED	ONE-WAY TABLES WITH HISTOGRAMS.=	MASSFJ- -XPO
WHICH WILL PRINT	ONLY THE HIGH AGREEMENTS PER PERSON.	DICKKW- -KRA
ATION PROGR+A TAXONOMIC	OPTIMIZATION PROCEDURE AND CLASSIFIC	LINGJC- -TOP
OGRAM FOR THE DESIGN OF	OPTIMUM MULTIFACTORIAL EXPERIMENTS.=	SMITWN- -PDO
OF GROUPS BASED ON THE	ORDER OF ENTRY OF THE DATA.=+ NUMBER	DIXOWJ-02-BDD
KSL 2.3C-HIGHER	ORDER PARTIAL CORRELATIONS.=	DICKKW- -KHO
VARIABLES IN	ORDER TO PREDICT A DEPENDENT VARIABL	DEPTHE-23-GNN
DATA AND RANK	ORDERS EACH CASE BY THE SIZE OF	DIXOWJ- -BMR

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DATA AND RANK	ORDERS EACH STANDARDIZED CASE BY	DIXOWJ- -BMP
PROGRAM TO COMPUTE	ORDINATE AND/OR AREA OF TWO CLOSELY	DEPTHE-07-GNN
AN N	ORDINATE FOURIER ANALYSIS PRGM.=	MEDICO- -NOF
TO CALCULATE THE	ORDINATE OF STUDENT'S T DISTRIBUTION	SULZES-01-PCO
TO CALCULATE THE	ORDINATE OF THE CHI-SQUARED DISTRIBU	SULZES- -PCO
CR NO 2 'SINGLE CRYSTAL	ORIENTER (GENIOSTAT) COORDINATES'.=	PATTAL-01-INS
.= AN	ORTHOGONAL FACTOR SIMILARITY PROGRAM	BENDAW- -OFS
TO FIND BEST FITTING	ORTHOGONAL FACTORS FOR A GIVEN HYPOT	SAUNDR- -PFB
.=	ORTHOGONAL POLYNOMIAL TREND ANALYSIS	OVERJE- -OPT
REGRESSION BY	ORTHOGONAL POLYNOMIALS.=	DEPTHE-26-GNN
MPONENT SOLUTION AND AN	ORTHOGONAL ROTATION.=+A PRINCIPAL CO	DIXOWJ- -BMG
XIS FACTOR ANALYSIS (C)	ORTHOGONAL VARIMAX ROTATION.= + A	VELDDJ- -FPP
FIES GIVEN VARIABLES BY	OTHER VARIABLES.= + CROSS- CLASSI	SAKOJM- -XGC
TICALLY LARGER THAN THE	OTHER.=+ RANDOM VARIABLES IS STOCHAS	STERT - -MMT
MULTIPLIES 400-CHANNEL	OUTPUT BY A FACTOR AND SUMS SELECTED	OGBORE- -CCP
GROUND FROM 400 CHANNEL	OUTPUT.= + SUBTRACTS EXPERIMENT BACK	OGBORE- -BSP
A LINEAR FUNCTION OF	P VARIABLES MEASURED ON EACH INDIVID	DIXOWJ- -BMD
HE F + CALCULATION OF	P-VALUES FOR FISHER'S F TEST GIVEN T	SULZES- -CPV
CORRELATION + FACTOR--A	PACKAGE PROGRAM TO PRODUCE (A) INTER	VELDDJ- -FPP
P TO 10 VARIAB+MULTIPLE	PAIRED AND INDEPENDENT T-TESTS FOR U	OVERJE- -MPI
A BASIC PROGRAM FOR	PAIRED COMPARISONS FROM BALANCED	GULLH - -BPP
CIENTS FOR ASYMMETRICAL	PAIRED DATA GROUPINGS.= + THE COEFFI	STERT - -MCC
S.= XTAB12--	PAIRED ONE-WAY TABLES WITH HISTOGRAM	MASSFJ- -XPO
ASSOCIATED WITH	PAIRED VARIABLES OF UNEQUAL SAMPLE	DEPTHE-14-GNN
	PAIRING OBSERVATIONS.=	MCMACA- -PO
GRAM WHICH COMPUTES ALL	PAIRWISE PEARSON-R CORR COEFF.=+ PRO	NICHHC- -IPW
-SQUARES SUM SOLVER AND	PARAMETER SHIFTER'.=+ICR NO 7 'LEAST	PATTAL-01-INL
RAM.= A NON-	PARAMETRIC STATISTICAL ANALYSIS PROG	DAMMRA- -NPS
IH- OF	PARSIMONY IN MULTIPLE REGRESSION.=	DEPTHE-25-GNN
PROBIT ANALYSIS	PART I.=	OGBORE- -PAP
PROBIT ANALYSIS	PART II.=	OGBORE-01-PAP
GUTTMAN SCALE NO 2	PART 1 A PROGRAM THAT PERFORMS THE	DIXOWJ-02-BSG
GUTTMAN SCALING NO 2 (	PART 1).= GO UCM FO2	MEIEP -28-GUF
GUTTMAN SCALE NO 2	PART 2 THE PROGRAM THAT PERFORMS	DIXOWJ-03-BSG
GUTTMAN SCALING NO 2 (	PART 2).= GO UCM FO2	MEIEP -02-GUF
GUTTMAN SCALE NO 2	PART 3 THE PROGRAM THAT PERFORMS	DIXOWJ-04-BSG
GUTTMAN SCALING NO 2 (	PART 3).= GO UCM FO2	MEIEP -03-GUF
TO COMPUTE SPECIFIED	PARTIAL CORRELATION COEFFICIENTS.=	FRAN -01-TPC
KSL 2.30-HIGHER ORDER	PARTIAL CORRELATIONS.=	DICKKW- -KHO
	PARTIAL ITEM ANALYSIS.=	WALKG - -PIA
CONCENTRATION OF SMALL	PARTICLES OR MICROBES IN A SOLUTION	SULZES- -PCC
AND PATTERNS OF ANY ONE	PARTICULAR SPECIFIED CODE IN INPUT	DIXOWJ- -BDD
WHETHER SOME SPECIFIC	PATTERN OF LOADINGS FITS A GIVEN	DEPTHE-02-GNN
ELECTROPHORETIC	PATTERN.=	OGBORE- -EP
TO FIND + BMD10D, DATA	PATTERNS FOR DICHOTOMIES--A PROGRAM	DIXOWJ- -BDD
M THAT + BMD11D, DATA	PATTERNS FOR POLYCHOTOMIES, A PROGRA	DIXOWJ-01-BDD
TO FIND FREQUENCIES AND	PATTERNS OF ANY ONE PARTICULAR SPECI	DIXOWJ- -BDD
A PROGRAM THAT PRINTS	PATTERNS OF ONE-COLUMN DATA AND	DIXOWJ-01-BDD
OMPUTES JOINT AGREEMENT	PATTERNS.=+ FORM G, A PROGRAM THAT C	DICKKW- -KAP
CASES HAVING THESE DATA	PATTERNS.=+CASE NUMBERS TO IDENTIFY	DIXOWJ-01-BDD
G1 UCM FO2 DATA	PATTERNS-DICROTOMY.=	MEIEP -23-GUF
G1 UCM FO2 DATA	PATTERNS-POLYCHOTOMY.=	MEIEP -26-GUF
KSL 2.93--AGREEMENT	PATTERNS, FORM G, A PROGRAM THAT	DICKKW- -KAP
KSL 2.94--AGREEMENT	PATTERNS, FORM H, THIS PROGRAM FINDS	DICKKW-01-KAP

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BY FINDING CLEAR	PEAK RATIOS AND STRIPPING ELEMENTS	OGBORE-01-MDS
COMPOSITE CONVERTER AND	PEAK SUMS WITH FLUX--A PROGRAM WHICH	OGBORE- -CCP
H COMPUTES ALL PAIRWISE	PEARSON-R CORR COEFF.=+ PROGRAM WHIC	NICHHC- -IPW
ZO BSC AC	PEDIATRIC CORRELATION PH 1.=	MEIEP - -ZBA
VARIABLES AND THEIR 90	PERCENT AND 98 PERCENT CONFIDENCE	STERT -01-MPC
THEIR 90 PERCENT AND 98	PERCENT CONFIDENCE LIMITS.= + AND	STERT -01-MPC
TO COMPUTE FREQUENCIES,	PERCENT DISTRIBUTION, RATES AND	YERUJ - -PCF
AT PLOTS A HISTOGRAM OF	PERCENTAGE DIFFERENCES.=+ PROGRAM TH	NICHHC-10-TTH
TWO-WAY FREQUENCY AND	PERCENTAGE TABLES, CHI-SQUARES,	DIXOWJ- -BSC
IONS OF FREQUENCIES AND	PERCENTAGE.= + THREEWAY CROSSTABULAT	DEPTHE-28-GNN
G1-NIH-NIH002G-A	PERCENTILE COMPUTATIONS PROGRAM.=	DEPTHE-27-GNN
TO LIST THE NUMBER AND	PERCENTS OF CASES OF A VARIABLE	MASSFJ- -XHL
SYSTEM--A PROGRAM TO	PERFORM A PRINCIPAL AXIS FACTOR	BRIDDA- -SSA
A PROGRAM TO	PERFORM A PRINCIPLE COMPONENT FACTOR	DEPTHE- -GNN
PROGRAM TO	PERFORM A TABLE LOOKUP OF THE F	DEPTHE-06-GNN
DATA--A PROGRAM TO	PERFORM CROSS TABULATIONS OF INPUT	DIXOWJ-02-BDC
CLASSICAL CHI-SQUARED +	PERFORMANCE OF FISHER'S TEST OR THE	SULZES- -PFS
GROUP--A PROGRAM WHICH	PERFORMS A COMPLETE HIERARCHIAL	VELDDJ- -GPW
A PROGRAM THAT	PERFORMS A PRINCIPAL COMPONENT SOLUT	DIXOWJ- -BMG
A PROGRAM THAT	PERFORMS MULTIPLE REGRESSION AND	DIXOWJ- -BRM
PART 3 THE PROGRAM THAT	PERFORMS THE FINAL STEPS OF GUTTMAN	DIXOWJ-04-BSG
2 PART 1 A PROGRAM THAT	PERFORMS THE INITIAL STEPS FOR GUTTM	DIXOWJ-02-BSG
A PROGRAM THAT	PERFORMS THE INITIAL STEPS OF BMD06S	DIXOWJ- -BSG
PART 2 THE PROGRAM THAT	PERFORMS THE MAJOR COMPUTATIONS OF	DIXOWJ-03-BSG
ATAL MORTALITY BY SELE+	PERIMORT--A PROGRAM TO ANALYZE PERIN	CARLJP- -PPA
PROGRAM TO ANALYZE	PERINATAL MORTALITY BY SELECTED	CARLJP- -PPA
AN EEG	PERIOD ANALYSIS PROGRAM.=	SHAPDM- -EPA
AN EEG	PERIOD ANALYSIS PROGRAM.=	SHAP - -EPA
STATISTICAL ANALYSIS OF	PERIOD ANALYSIS).= STATIS (	KIRK - -SSA
REACTIVITY WHEN REACTOR	PERIOD IS KNOWN.=+ DETERMINE EXCESS	OGBORE- -HEP
FOURIER SERIES TO ANY	PERIODIC FUNCTION OR TIME SERIES.=	SULZES- -FFS
LYSIS, A PROGRA+BMD04R,	PERIODIC REGRESSION AND HARMONIC ANA	DIXOWJ- -BRP
G2 UCM MIX	PERIODIC REGRESSION.=	MEIEP -09-GUM
LEARNING MODEL IN A 2-	PERSON SITUATION.= + ON A LINEAR	CAMPDP- -PMC
THE HIGH AGREEMENTS PER	PERSON.= + WHICH WILL PRINT ONLY	DICKKW- -KRA
ENT SCORE AMONG ALL THE	PERSONS OF A POPULATION.= + AGREEM	DICKKW-01-KAP
T SCORES AMONG A SET OF	PERSONS.=+PRINT A MATRIX OF AGREEMEN	DICKKW- -KAS
FACTOR ANALYSIS OF	PERSONS, RATHER THAN OF TESTS.=	VELDDJ- -TPC
PROGRAM TO CALCULATE CC	PETER'S INDEX OF CURVILINEARITY.=	VANDSG- -CPC
C PEDIATRIC CORRELATION	PH 1.= ZO BSC A	MEIEP - -ZBA
BMD01T AMPLITUDE AND	PHASE ANALYSIS.=	DIXOWJ- -BTA
QUES IN +APPLICATION OF	PHASE DETECTION AND AVERAGING TECHNI	ADEYWR- -APD
TO COMPUTE A STANDARD +	PHASE ONE FLUX CORRECTED--A PROGRAM	OGBORE- -POF
-LIFE OF EACH CHANNEL +	PHASE TWO--A PROGRAM TO COMPUTE HALF	OGBORE- -PTP
R.= ANALYSIS OF A	PHONOCARDIOGRAM BY A DIGITAL COMPUTE	HOFLJJ- -APD
	PICK.=	CARLJP- -P
ICR NO 8 'LEAST-SQUARE	PLANE PROGRAM'.=	PATTAL- -INL
A PROGRAM TO FIT A	PLANE TO DISCRETE VALUES OF A FUNCTI	DEPTHE-01-EHN
A PROGRAM TO FIT A	PLANE TO DISCRETE VALUES OF A FUNCTI	DEPTHE-01-EHT
FOR MULTIPLE, SINGLE	PLANE, VISUALLY GUIDED ROTATION.=	CATTRB- -RPM
BY-POINT FOURIER IN ANY	PLANE'.= ICR NO 9 'POINT-	PATTAL- -INP
MENU	PLANNING BY COMPUTER.=	BALIJL- -MPC
OF RADIATION TREATMENT	PLANNING.= AN AUTOMATION PROGRAM	STERTD- -APR
BMD05D, GENERAL	PLOT INCLUDING HISTOGRAM.=	DIXOWJ- -BDG

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ION+TCHS 6 A PROGRAM TO	PLOT KINDRED CHARTS FOR THE EXPLORAT	FRAN - -TPP
	PLOT PROGRAM.=	NICHHC- -PP
GO UCM FC2 GENERAL	PLOT.=	MEIEP -25-GUF
TABLES WITH HISTOGRAMS	PLOT.= XTAB11--ONE WAY	MASSFJ- -XOW
RELATION ANALYSIS (WITH	PLOT).= G2 UCM MIX COR	MEIEP -05-GUM
PROGRAM THAT	PLOTS A HISTOGRAM OF PERCENTAGE	NICHHC-10-TTH
XTAB42,	PLOTTING PROGRAM II.=	MASSFJ-01-XPP
XTAB41,	PLOTTING PROGRAM I.=	MASSFJ- -XPP
AR EQUATION Y EQUALS MX	PLUS B.= LEAST SQUARE. FINDS LINE	OGBORE- -LSF
EACH SAMPLE AGAINST	PLUS OR MINUS 2 SIGMA (CHAUVENET	OGBORE- -TST
ICR NO 9 'POINT-BY-	POINT FOURIER IN ANY PLANE'.=	PATTAL- -INP
E1-HADM-TEAARD--A THREE	POINT SECOND DEGREE LAGRANGIAN POLYN	DEPTHE- -EHT
OXIMATION WITH FLOATING	POINT.= LEAST SQUARES APPR	PR LLI- -LSA
BISERIAL	POINT-BISERIAL CORRELATION PROGRAM.=	CAST - -BPB
.= ICR NO 9 '	POINT-BY-POINT FOURIER IN ANY PLANE'	PATTAL- -INP
ING ON UNEQUALLY SPACED	POINTS.=+ FOR CURVE AND SURFACE FITT	HOBBC - -ISP
UMBER OF EQUALLY SPACED	POINTS.=+FOURIER SERIES AT A GIVEN N	DEPTHE- -ENN
TO A SET OF N WEIGHTED	POINTS.=+SQUARES FIT OF A POLYNOMIAL	DICKKW- -KKL
T.= E2-HADF-	POLFDTP--LEAST SQUARES POLYNOMIAL FI	DEPTHE- -EHP
DATA PATTERNS FOR	POLYCHOTOMIES, A PROGRAM THAT PRINTS	DIXOWJ-01-BDD
UCM F02 DATA PATTERNS-	POLYCHOTOMY.= G1	MEIEP -26-GUF
ECOND DEGREE LAGRANGIAN	POLYNOMIAL CURVE FIT PROGRAM.= + S	DEPTHE- -EHT
A PROGRAM FOR	POLYNOMIAL EQUATION FITTING.=	DIECWL- -PPE
1MP013 A	POLYNOMIAL FIT PROGRAM.=	STERT - -MPF
-POLFDTP--LEAST SQUARES	POLYNOMIAL FIT.= E2-HADF	DEPTHE- -EHP
POLYNOMI+G2-NIH-NIH147-	POLYNOMIAL REGRESSION BY ORTHOGONAL	DEPTHE-26-GNN
BMD05R,	POLYNOMIAL REGRESSION.=	DIXOWJ-01-BRP
G2 UCM MIX	POLYNOMIAL REGRESSION.=	MEIEP -08-GUM
LEAST SQUARES FIT OF A	POLYNOMIAL TO A SET OF N WEIGHTED	DICKKW- -KKL
CRTHOGONAL	POLYNOMIAL TREND ANALYSIS.=	OVERJE- -OPT
EGRESSION BY CRTHOGONAL	POLYNOMIALS.=NIH- + R	DEPTHE-26-GNN
OF SAMPLE MEAN AND	POPULATION MEAN WHEN THE VARIANCE	MCMACA- -CSM
TA WITHIN SUBSAMPLES OF	POPULATION.= + ANALYSIS ON THE DA	DIXOWJ- -BRM
NG ALL THE PERSONS OF A	POPULATION.= + AGREEMENT SCORE AMO	DICKKW-01-KAP
S COMING FROM DIFFERENT	POPULATIONS.= + IN THE CELL	STERT - -MFS
CONCERNING MEANS OF TWO	POPULATIONS.= TESTS OF HYPOTHESES	MCMACA- -THC
AND EXTRACT THE LARGEST	POSITIVE AND SMALLEST NEGATIVE VALUE	DICKKW-01-KPT
MAKES TABLES FOR ALL	POSSIBLE COMBINATIONS OF CONTROL	SAKOJM- -TTS
G1-NIH-NIH001G A PRE-	POST EDIT CORRELATION PROGRAM.=	DEPTHE-15-GNN
LINEAR, EXPONENTIAL AND	POWER CURVE FITTING.=+LEAST SQUARES	OVERJE- -LSL
D02T AUTOCOVARIANCE AND	POWER SPECTRAL ANALYSIS.= BM	DIXOWJ-01-BTA
A	POWER SPECTRAL DENSITY.=	FINKM - -PSD
A	POWER SPECTRUM ANALYSIS PRGM.=	MED CO- -PSA
	POWERED VECTOR FACTOR ANALYSIS.=	OVERJE- -PVF
G1-NIH-NIH001G A	PRE-POST EDIT CORRELATION PROGRAM.=	DEPTHE-15-GNN
VARIABLES IN ORDER TO	PREDICT A DEPENDENT VARIABLE.=	DEPTHE-23-GNN
NDEPENDENT VARIABLES TO	PREDICT DEPENDENT VARIABLE.= + OF I	DEPTHE-22-GNN
COR--A PROGRAM TO YIELD	PREDICTED CRITERION SCORES.= REGS	VELDDJ- -RPY
OR + G2-NIH-NIH012G--A	PREDICTED VALUES PROGRAM TO SELECT F	DEPTHE-23-GNN
PROGRAM FOR MAXIMIZING	PREDICTION AND CLASSIFICATION.= A	LINGJC- -PMP
14, UN 36 MULTIVARIATE	PREDICTION PROGRAMS.= UN	SCHAKW- -UUM
AN BEG DIGITAL DATA	PREPARATION PROGRAM.=	BRIDDA- -EDD
OF ARTICLE TO	PREPARE BIBLIOGRAPHY WITH 1 TO 6	OGBORE- -IRT
A LISTING PROGRAM WHICH	PREPARES LISTS OF CASES MEETING	MASSFJ- -XLP

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PROGRAM WHICH	PREPARES MATRIX COEFFICIENTS AND	OGBORE- -MCM
ACCOUNT)--THE PROGRAM	PREPARES YEAR TOTAL OF ACTIVITY PER	OGBORE- -SSR
BMD04S, GUTTMAN SCALE	PREPROCESSOR A PROGRAM THAT PERFORMS	DIXOWJ- -BSG
OF THE	PRESENCE OF RADIOACTIVE ISOTOPES BY	CARLJP- -IDP
RAM.=	PRETAB II-A FREQUENCY TABULATOR PROG	HARTD - -PIF
A CANONICAL CORRELATION	PRGM.=	SHUMKE- -CCP
POWER SPECTRUM ANALYSIS	PRGM.= A	MED CO- -PSA
DINATE FOURIER ANALYSIS	PRGM.= AN N OR	MEDICO- -NOF
INE-URATE HYPOTHESIS IN	PRIMARY GOUT.= + OF THE GLYC	NUGECA- -EGU
2 UCM F02 REGRESSION ON	PRIMARY PRINCIPAL COMPONENTS.= G	U OFOF-01-GUF
COMPUTER PROGRAM TO AID	PRIMARY PROTEIN STRUCTURE DETERMINAT	DAYHMO- -CCP
	PRINCIPAL AXES FACTOR ANALYSIS.=	OVERJE- -PAF
INTERCORRELATION (B)	PRINCIPAL AXIS FACTOR ANALYSIS (C)	VELDDJ- -FPP
PROGRAM TO PERFORM A	PRINCIPAL AXIS FACTOR ANALYSIS USING	BRIDDA- -SSA
A PROGRAM FOR	PRINCIPAL AXIS FACTOR ANALYSIS.=	BENDAW- -PPA
FOR INTERCORRELATION	PRINCIPAL AXIS FACTOR ANALYSIS,	VELDDJ- -API
M THAT COMPUTES+BMD01M,	PRINCIPAL COMPONENT ANALYSIS, PROGRA	DIXOWJ- -BMP
SIS PROGRAM.= A	PRINCIPAL COMPONENT AND FACTOR ANALY	STEIFE- -PCF
ASE BY THE SIZE OF EACH	PRINCIPAL COMPONENT SEPARATELY.= + C	DIXOWJ- -BMP
PROGRAM THAT PERFORMS A	PRINCIPAL COMPONENT SOLUTION AND AN	DIXOWJ- -BMG
ASE BY THE SIZE OF EACH	PRINCIPAL COMPONENT.=+ ORDERS EACH C	DIXOWJ- -BMR
CORES).= F2 HED F02	PRINCIPAL COMPONENTS ANALYSIS (RAW S	MEIEP -03-FHF
R DISPER + F2 HED F02	PRINCIPAL COMPONENTS ANALYSIS CORR O	MEIEP -02-FHF
PROGRAM THAT COMPUTES	PRINCIPAL COMPONENTS OF STANDARDIZED	DIXOWJ- -BMP
PROGRAM TO COMPUTE THE	PRINCIPAL COMPONENTS OF STANDARDIZED	DIXOWJ- -BMR
2 REGRESSION ON PRIMARY	PRINCIPAL COMPONENTS.= G2 UCM FO	U OFOF-01-GUF
BMD02M, REGRESSION ON	PRINCIPAL COMPONENTS, A PROGRAM TO	DIXOWJ- -BMR
A PROGRAM TO PERFORM A	PRINCIPLE COMPONENT FACTOR ANALYSIS	DEPTHE- -GNN
EGRESSI+G2-NIH-NIH023G-	PRINCIPLE OF PARSIMONY IN MULTIPLE R	DEPTHE-25-GNN
THAT WILL CALCULATE AND	PRINT A MATRIX OF AGREEMENT SCORES	DICKKW- -KAS
PROGRAM TO DEVELOP AND	PRINT A SUMMARY TABLE FOR UNREPLICAT	STERT - -MPD
PROGRAM TO COMPUTE AND	PRINT MEANS, STANDARD DEVIATIONS	DEPTHE-19-GNN
F, A PROGRAM WHICH WILL	PRINT ONLY THE HIGH AGREEMENTS PER	DICKKW- -KRA
A PROGRAM THAT	PRINTS PATTERNS OF ONE-COLUMN DATA	DIXOWJ-01-BDD
S X N EVENTS + TCHS 3--	PROBABILITIES OF K INDEPENDENT TRIAL	FRAN - -TPK
GROUP MEMBERSHIP AND	PROBABILITIES OF MEMBERSHIP IN EACH	VELDDJ- -GPP
ALS X N EVENTS (VARTING	PROBABILITIES).= + K INDEPENDENT TRI	FRAN - -TPK
A TABLE LOOKUP OF THE F	PROBABILITY DENSITY FUNCTION.=	DEPTHE-06-GNN
BAYESIAN CONDITIONAL	PROBABILITY DIAGNOSTIC CLASSIFICATIO	OVERJE- -BCP
OF TWO CLOSELY RELATED	PROBABILITY FUNCTIONS.= + DERIVATIVE	DEPTHE-08-GNN
OF TWO CLOSELY RELATED	PROBABILITY FUNCTIONS.=+ AND/OR AREA	DEPTHE-07-GNN
EXACT TEST TO TEST THE	PROBABILITY OF THE FREQUENCIES IN	STERT - -MFS
	PROBABILITY.=	OGBORE- -P
G2 UCM	PROBIT ANALYSIS (DUMMY).=	MEIEP - -GUP
WITH A SINGLE TREATMENT	PROBIT ANALYSIS OF QUANTAL BIOASSAY	SULZES- -PAQ
	PROBIT ANALYSIS PART I.=	OGBORE- -PAP
	PROBIT ANALYSIS PART II.=	OGBORE-01-PAP
TS.=	PROBIT ANALYSIS WITH CONFIDENCE LIMI	MEDICO- -PAC
D035, BIOLOGICAL ASSAY-	PROBIT ANALYSIS.= BM	DIXOWJ- -BBA
LOGARITHMIC PROGRAMMING	PROBLEM.= THE LINEAR	CLASRJ- -LLP
A PROGRAM TO SOLVE	PROBLEMS IN SYMBOLIC LOGIC.=	HAGEPW- -PSP
TAXONOMIC OPTIMIZATION	PROCEDURE AND CLASSIFICATION PROGRAM	LINGJC- -TOP
OF THE PROPAGATION	PROCESS OF STIMULI OVER HEART TISSUE	RHEIWC- -MMP
A	PROCRUSTES PROGRAM.=	MILLCR- -PP

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PACKAGE PROGRAM TO	PRODUCE (A) INTERCORRELATION (B)	VELDDJ- -FPP
BIODENT-A PROGRAM TO	PRODUCE TABULATIONS AND SUMMARY	CARLJP- -BPP
ACTIVITY OF SAMPLE,	PRODUCED AND DISPOSED WITH DETAIL	OGBORE- -RCI
S,+GLASCOR--THE PROGRAM	PRODUCES DISCRIMINANT FUNCTION SCORE	VELDDJ- -GPP
A PROGRAM TO CALCULATE	PRODUCT MOMENT CORRELATION COEFFICIE	SAKOJM- -CPC
=	PRODUCT MOMENT CORRELATION MATRICES.	OVERJE- -PMC
UN-15, UN-16, UN-17	PRODUCT MOMENT CORRELATION PROGRAMS.	SCHAKW- -UUU
ICATI+NORMALIZED VECTOR	PRODUCT MULTIVARIATE PROFILE CLASSIF	OVERJE- -NVP
E- COVAR+KSL 2.00, K-8-	PRODUCT-MOMENT CORRELATIONS, VARIANC	DICKKW- -KKP
CORMAT--A PROGRAM FOR	PRODUCT-MOMENT INTERCORRELATION	VELDDJ- -CPP
REACTOR CREATED ISOTOPE	PRODUCTION AND DISPOSITION RECORD	OGBORE- -RCI
METHODS FOR HORMONE	PRODUCTION RATE DETERMINATIONS.=	NUGECA- -IDM
COVARIANCE MATRIX FOR	PROFILE ANALYSIS.=	DEPTHE-11-FNN
OR PRODUCT MULTIVARIATE	PROFILE CLASSIFICATION.= + VECT	OVERJE- -NVP
	PROFILE CORRELATION CLASSIFICATION.=	OVERJE- -PCC
H1-NIH-NIH119--LINEAR	PROGRAMMING (SIMPLEX METHOD).=	DEPTHE- -HNN
THE LINEAR LOGARITHMIC	PROGRAMMING PROBLEM.=	CLASRJ- -LLP
KSL 4.80, M-15-LINEAR	PROGRAMMING.=	DICKKW- -KML
IC AND NONSYMMETR+USERS	PROJECT 648-2--A PROGRAM FOR SYMMETR	DAS RS- -UPP
MODEL OF THE	PROPAGATION PROCESS OF STIMULI OVER	RHEIWC- -MMP
A PROGRAM THAT ASSIGNS	PROPER WEIGHT TO GIVEN DATA ON VARIA	DIXOWJ-01-BSG
NALYSIS OF VARIANCE FOR	PROPORTIONATE CELL FREQUENCIES.= + A	OVERJE-02-TWA
NALYSIS OF VARIANCE FOR	PROPORTIONATE CELL FREQUENCIES.= + A	OVERJE-01-TWA
TO ESTIMATE RECESSIVE	PROPORTIONS OF CHARACTERISTICS.=	CARLJP- -RPE
PROGRAM TO AID PRIMARY	PROTEIN STRUCTURE DETERMINATION.=	DAYHMO- -CCP
CENTILE-A PROGRAM TO	PROVIDE CONVERSION TABLES FOR RAW-SC	VELDDJ-01-CPP
DISTAN-A PROGRAM TO	PROVIDE INFORMATION CONCERNING THE	VELDDJ- -DPP
A PROGRAM THAT	PROVIDES A RELATIONSHIP BETWEEN A	DIXOWJ- -BRS
PROGRAM FOR SCALING OF	PSYCHOLOGICAL INVENTORIES BY THE	BAKEFB- -PSP
SSION TRANSFORMATION OF	PSYCHOPHYSIOLOGIC DATA.=+FOR A REGRE	WILLBJ- -PRT
FREQUENCY RESPONSE FROM	PULSE TESTING DATA USING FILON'S	CLEMWC-01-CFR
FREQUENCY RESPONSE FROM	PULSE TESTING DATA USING THE TRAPEZO	CLEMWC- -CFR
FUNCTIONS FOR THE	PURPOSE OF CLASSIFYING AN INDIVIDUAL	DIXOWJ-01-BMD
ISOTOPES BY A	QUALITATIVE ANALYSIS OF SAMPLES	CARLJP- -IDP
FREQUENCY ANALYSIS OF	QUALITATIVE DATA WITH CHI-SQUARE	OVERJE- -FAQ
PROBIT ANALYSIS OF	QUANTAL BIOASSAY WITH A SINGLE TREAT	SULZES- -PAQ
AM 1.=	QUAP-4--QUESTIONNAIRE ANALYSIS PROGR	WHITJR- -QQA
VARIMAX AND	QUARTIMAX ROTATIONS.=	VANDSG- -VQR
ATTEMPTS TO ANSWER THE	QUESTION 'WHAT ARE THE ESSENTIAL	VELDDJ- -CPT
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S ALL PAIRWISE PEARSON-	R CORR COEFF.=+PROGRAM WHICH COMPUTE	NICHHC- -IPW
CHI-SQUARE DEVIATE WITH	R DEGREES OF FREEDOM.= + GENERATE A	DEPTHE-04-GNN
ROUTINE	R-19--AN INTERCORRELATION PROGRAM.=	NICHRC- -RRI
	RADIATION DISTRIBUTION OF IMPLANTS.=	POWEWE- -RDI
N AUTOMATION PROGRAM OF	RADIATION TREATMENT PLANNING.= A	STERTD- -APR
OF THE PRESENCE OF	RADIOACTIVE ISOTOPES BY A QUALITATIV	CARLJP- -IDP
COMPOSITE SAMPLE OF	RADIOACTIVITY BY FINDING CLEAR PEAK	OGBORE-01-MDS
THAT ONE OF TWO	RANDOM VARIABLES IS STOCHASTICALLY	STERT - -MMT
TAL DESIGNS BY MEANS OF	RANDOMIZATION.= + OF EXPERIMEN	BAKEFB- -AED
ANALY+BMD07V, MULTIPLE	RANGE TESTS--A PROGRAM TO COMPUTE AN	DIXOWJ- -BVM
BUTION, FREQUENCIES AND	RANGES.= + THE FORM OF THEIR DISTRI	DEPTHE-29-GNN
STANDARDIZED DATA AND	RANK ORDERS EACH CASE BY THE SIZE	DIXOWJ- -BMR
STANDARDIZED DATA AND	RANK ORDERS EACH STANDARDIZED CASE	DIXOWJ- -BMP
ROGRAM WHICH+KSL 2.91--	RANKED AGREEMENT SCORES, FORM F, A P	DICKKW- -KRA

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NO 2 RESPONDENTS ARE	RANKED BY THE CORNELL TECHNIQUE.=	DIXOWJ-03-BSG
GIVEN DATA ON VARIABLES	RANKS THE CASES AND ASSIGNS A GUTTMA	DIXOWJ-01-BSG
ACTUARIAL SURVIVAL	RATE COMPUTATION.=	PARNBL- -ASR
FOR HORMONE PRODUCTION	RATE DETERMINATIONS.= + METHODS	NUGECA- -IDM
LIFE TABLE AND SURVIVAL	RATE PROGRAM.= BMD01S,	DIXOWJ- -BSL
EXPECTED COUNT	RATE.=	OGBORE- -ECR
LIFE TABLE AND SURVIVAL	RATE.= GO UCM F02	U OFOF- -GUF
A	RATER RELIABILITY PROGRAM.=	BENDAW- -RRP
, PERCENT DISTRIBUTION,	RATES AND MEANS.= + FREQUENCIES	YERUJ - -PCF
MORTALITY	RATES.=	PARNBL- -MR
OR ANALYSIS OF PERSONS,	RATHER THAN OF TESTS.= + FACT	VELDDJ- -TPC
COEFFICIENT AND MASS	RATIO GENERATOR--A PROGRAM WHICH	OGBORE- -MCM
BY FINDING CLEAR PEAK	RATIOS AND STRIPPING ELEMENTS OFF	OGBORE-01-MDS
COEFFICIENTS AND MASS	RATIOS FOR ELEVEN ELEMENT ANALYSIS	OGBORE- -MCM
PROGRAM FOR CORRELATION	RATIOS.= A	LINGJC- -PCR
ENTS AND MAX LIKELIHOOD	RATIOS.= · CONTINGENCY COEFFICI	DIXOWJ- -BSC
A PROGRAM TO TEST	RAW INPUT DATA TO FIND THE FORM OF	DEPTHE-29-GNN
PROGRAM TO TRANSFORM	RAW SCORES TO STANDARD SCORES.=	DICKKW- -KPT
RAM FOR CONVERTING MMPI	RAW SCORES TO T-SCORES.= + PROG	LADDCE- -CPC
L COMPONENTS ANALYSIS (	RAW SCORES).= F2 HED F02 PRINCIPA	MEIEP -03-FHF
IBUTION FROM ANY SET OF	RAW-SCORE DISTRIBUTION.= + DISTR	VELDDJ- -SPO
E CONVERSION TABLES FOR	RAW-SCORE DISTRIBUTIONS.=+ TO PROVID	VELDDJ-01-CPP
TO DETERMINE EXCESS	REACTIVITY WHEN REACTOR PERIOD IS	OGBORE- -HEP
ND DISPOSITION RECORD +	REACTOR CREATED ISOTOPE PRODUCTION A	OGBORE- -RCI
M PREPA+STACY SPECIAL (	REACTOR ISOTOPE ACCOUNT)--THE PROGRA	OGBORE- -SSR
EXCESS REACTIVITY WHEN	REACTOR PERIOD IS KNOWN.=+ DETERMINE	OGBORE- -HEP
PROGRAM THAT WILL	READ A GROUP OF SETS OF NUMBERS AND	DICKKW-01-KPT
VALUATE DETERMINANTS OF	REAL AND COMPLEX MATRICES.= + TO E	DEPTHE-01-FHN
CN.= F1-HADM-NAMULT	REAL AND COMPLEX MATRIX MULTIPLICATI	DEPTHE- -FHN
E EIGENVECTORS FROM THE	REAL EIGENVALUES OF A MATRIX.= + TH	DEPTHE-05-FNN
INVERSION OF A	REAL NONSINGULAR SQUARE MATRIX.=	DEPTHE-03-FHN
ADM-NAINVS INVERSION OF	REAL OR COMPLEX MATRICES.= F4-H	DEPTHE-02-FHN
STEPWISE REGRESSION (	REAL OR COMPLEX).=	ROSEG - -SRR
FACTOR ANALYSIS (	REAL OR COMPLEX).=	ROSEG - -FAR
VALUES AND VECTORS OF A	REAL SYMMETERIC MATRIX.= + F02 EIGEN	MEIEP - -FHF
I OF A	REAL SYMMETRIC MATRIX BY THE JACOBI	DEPTHE-06-FNN
GRAM.=	REANOVA--AN ANALYSIS OF VARIANCE PRO	VELDDJ- -RAV
PROGRAM TO ESTIMATE	RECESSIVE PROPORTIONS OF CHARACTERIS	CARLJP- -RPE
TORIES BY THE METHOD OF	RECIPROCAL AVERAGES.= + INVEN	BAKEFB- -PSP
AND DISPOSITION	RECORD --COMPUTES ACTIVITY OF SAMPLE	OGBORE- -RCI
MECHANIZED SERIAL	RECORD FOR MEDICAL LIBRARIES.=	FRANDR- -MSR
MPUTER ANALYSIS OF EEG	RECORDS IN THE CAT.=+TECHNIQUES IN C	ADEYWR- -APD
	RED CELL VOLUME.=	OGBORE- -RCV
ICR NO 11 'DATA	REDUCTION FOR THE GE GENIOSTAT'.=	PATTAL- -IND
NO 12 'WEISSENBERG DATA	REDUCTION ROUTINE'.= ICR	PATTAL- -INW
AM FOR STATISTICAL DATA	REDUCTION.= G1-HEDP-CORANL-A PROGR	DEPTHE- -GHC
ANALYSIS TO MEASURE	REDUNDANCIES IN SEQUENCES OF STIMULI	BRAUML- -SDA
SCORES, CHI-SQUARES	REGARDING GROUP MEMBERSHIP AND PROBA	VELDDJ- -GPP
	REGION ISOTOPE CONTENT.=	OGBORE- -RIC
CORRELATION COEFFICIE+	REGRES A PROGRAM TO COMPUTE MULTIPLE	VELDDJ- -RPC
G2-UCM-F02 ASYMPTOTIC	REGRESSION (LOGISTIC, COMPERTZ,	MEIEP -17-GUF
.= BMD06R, ASYMPTOTIC	REGRESSION (LOGISTIC, GOMPERTZ, ETC)	DIXOWJ- -BRA
GENERALIZED STEPWISE	REGRESSION (MODIFIED BIMD 34).=	MEIEP -07-GUM
IX GENERALIZED STEPWISE	REGRESSION (MODIFIED BIMD 34).= + M	MEIEP -11-GUM

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IX GENERALIZED STEPWISE REGRESSION (MODIFIED 09).= G2 UCM M MEIEP -10-GUM
STEPWISE REGRESSION (REAL OR COMPLEX).= ROSEG - -SRR
XRAP25 EXPERIMENTAL REGRESSION ANALYSIS (STEPWISE CONDEN HAMBRL- -XER
CNS+EXTENSION TO LINEAR REGRESSION ANALYSIS OF ALL COMBINATI OGBORE- -ELR
CNS OF VARIABLES+LINEAR REGRESSION ANALYSIS OF ALL COMBINATI OGBORE- -LRA
A MULTIPLE REGRESSION ANALYSIS PROGRAM.= MEDICO- -MRA
NEARV-A MULTIPLE LINEAR REGRESSION ANALYSIS PROGRAM.= LI VELDDJ- -LML
EXPERIMENTAL MULTIPLE REGRESSION ANALYSIS PROGRAM, XRAP.= SHUMKE- -EMR
REGRESSION ANALYSIS.= BAILKK- -RA
A GROUP MULTIPLE REGRESSION ANALYSIS.= MEDICO- -GMR
MULTIPLE REGRESSION ANALYSIS.= STEIFE- -MRA
ULTIPLE CORRELATION AND REGRESSION ANALYSIS.= MCORR--A M SAKOJM- -MMC
AN SUBROUTINE--MULTIPLE REGRESSION AND CORR.=+ UCM FO2 FORTR MEIEP -16-GUF
THAT PERFORMS MULTIPLE REGRESSION AND CORRELATION ANALYSIS DIXOWJ- -BRM
G2-UCM-FO2 MULTIPLE REGRESSION AND CORRELATION ANALYSIS MEIEP -19-GUF
= G2 UCM FO2 MULTIPLE REGRESSION AND CORRELATION ANALYSIS. MEIEP -20-GUF
= REGRESSION AND CORRELATION ANALYSIS. PR LLI- -RCA
LINEAR REGRESSION AND CORRELATION PROGRAM.= NICHHC- -LRC
PROGRA+BMD04R, PERIODIC REGRESSION AND HARMONIC ANALYSIS, A DIXOWJ- -BRP
ARES.= NON-LINEAR REGRESSION BY CRITERION OF LEAST SQU BEJAGG- -NLR
CHECKS THE LINEARITY OF REGRESSION BY EPSILON.= + WHICH LEVOE - -SRP
2-NIH- REGRESSION BY ORTHOGONAL POLYNOMIALS DEPTHE-26-GNN
LT COMPUTES, THE REGRESSION COEFFICIENT AND CORRELATI OGBORE- -ELR
CF MULTIPLE LINEAR REGRESSION EQUATIONS IN A STEPWISE DIXOWJ-01-BRS
G2-UCM-FO2 MULTIPLE REGRESSION NO3 (MODIFIED 06).= MEIEP -18-GUF
CNENTS.= G2 UCM FO2 REGRESSION ON PRIMARY PRINCIPAL COMP U OFOF-01-GUF
A PROGRAM TO + BMD02M, REGRESSION ON PRINCIPAL COMPONENTS, DIXOWJ- -BMR
LINEARITY OF + A SWAC REGRESSION PROGRAM WHICH CHECKS THE LEVOE - -SRP
A STEPWISE MULTIPLE REGRESSION PROGRAM.= MARTCH- -SMR
MULTIPLE REGRESSION PROGRAM.= OVERJE- -MRP
1MP012--A MULTIPLE REGRESSION PROGRAM.= STERT - -MMR
NON-LINEAR REGRESSION SUBROUTINE.= BALLWE- -NLR
HYSIOLU+A PROGRAM FOR A REGRESSION TRANSFORMATION OF PSYCHOP WILLBJ- -PRT
PROGR+BMD03R, MULTIPLE REGRESSION WITH CASE COMBINATIONS, A DIXOWJ- -BRM
SL 2.20, K-14--MULTIPLE REGRESSION WITH TRANSFORMATIONS.= K DICKKW- -KKM
BMD05R, POLYNOMIAL REGRESSION.= DIXOWJ-01-BRP
LINEAR REGRESSION.= MCMACA- -LR
TESTS FOR LINEARITY OF REGRESSION.= MCMACA- -TLR
G2 HED FO2 MULTIPLE REGRESSION.= MEIEP -08-GHF
G2 UCM MIX POLYNOMIAL REGRESSION.= MEIEP -08-GUM
G2 UCM MIX PERIODIC REGRESSION.= MEIEP -09-GUM
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LISTS OF CASES MEETING	SPECIFIED RESTRICTIONS.= + PREPARES	MASSFJ- -XLP
OF INDIVIDUALS WHO MEET	SPECIFIED ROW AND COLUMN RESTRICTION	MASSFJ-01-XST
OF INPUT DATA EXCLUDING	SPECIFIED SPECIAL VALUES.=	DIXOWJ-02-BDC
INDIVIDUAL SPECTRA TO +	SPECTRA ADDER--A PROGRAM WHICH ADDS	OGBORE- -SAP
WHICH ADDS INDIVIDUAL	SPECTRA TO CREATE A THEORETICAL	OGBORE- -SAP
UTOCOVARIANCE AND POWER	SPECTRAL ANALYSIS.= BMD02T A	DIXOWJ-01-BTA
ASM AUTOCORRELATION AND	SPECTRAL ANALYSIS.= G2-HADF-ACS	DEPTHE- -GHA
	SPECTRAL AND FOURIER ANALYSIS.=	ROSEG - -SFA
RIES.=	SPECTRAL DENSITY ANALYSIS OF TIME SE	OVERJE- -SDA
A POWER	SPECTRAL DENSITY.=	FINKM - -PSD
COMPUTER ANALYSIS OF	SPECTROGRAPHIC DATA.=	WILKT - -CAS
A POWER	SPECTRUM ANALYSIS PRGM.=	MED CO- -PSA
TO COMPUTE A STANDARD	SPECTRUM FROM VARIABLE NUMBER OF	OGBORE- -POF
A THEORETICAL COMPOSITE	SPECTRUM.= + SPECTRA TO CREATE	OGBORE- -SAP
FE OF EACH CHANNEL OF A	SPECTRUM.= + TO COMPUTE HALF-LI	OGBORE- -PTP
PROGRAM TO COMPUTE FOUR	SQUARE DETERMINANTS.= A	SULZES- -PCF
TO GENERATE A CHI-	SQUARE DEVIATE WITH R DEGREES OF	DEPTHE-04-GNN
DIVIDUAL AND TOTAL CHI-	SQUARE DISTRIBUTIONS.=+TO COMPUTE IN	DEPTHE-05-GNN
.= KSL 2.61--CHI-	SQUARE FOR A SET OF FREQUENCY TABLES	DICKKW- -KCS
KSL 2.60--CHI-	SQUARE FOR DICHOTOMOUS DATA.=	DICKKW-02-KCS
A PROGRAM FOR CHI-	SQUARE FOR 2X2 CONTINGENCY TABLES,	DAS RS- -PCS

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N OF A REAL NONSINGULAR	SQUARE MATRIX.= + INVERSIO	DEPTHE-03-FHN
SEMI-LOG LEAST	SQUARE METHOD.=	OGBORE- -SLL
TO COMPUTE THE CHI-	SQUARE OF THE SHIFT IN RESPONSE	DEPTHE-10-GNN
ICR NO 8 'LEAST-	SQUARE PLANE PROGRAM'.=	PATTAL- -INL
G1-UCM CHI-	SQUARE PROGRAM.=	BRUNRE- -GUC
A CHI-	SQUARE PROGRAM.=	GALLAB- -CSP
A LATIN	SQUARE PROGRAM.=	MCMACA- -LSP
1MP007--A LATIN	SQUARE PROGRAM.=	STERT - -MLS
A PROGRAM FOR	SQUARE ROOT FACTOR ANALYSIS.=	LINGJC- -PSR
	SQUARE ROOT MATRIX INVERSION.=	OVERJE- -SRM
T-TEST, F-TEST, CHI-	SQUARE TEST.=	OGBORE- -TTF
CHI-	SQUARE TEST.=	PR LLI- -CST
LITATIVE DATA WITH CHI-	SQUARE TESTS.= + ANALYSIS OF QUA	OVERJE- -FAQ
TO COMPUTE ALL 2X2 CHI-	SQUARE VALUES OF A MATRIX OF DICHOTO	FRAN - -TPC
TWO TABLES.= CHI-	SQUARE WITH YATES CORRECTION TWO-BY-	MCMACA- -CSY
LS MX PLUS B.= LEAST	SQUARE. FINDS LINEAR EQUATION Y EQUA	OGBORE- -LSF
1-UCM-F02--GENERAL CHI-	SQUARE.= G	MEIEP - -GUF
D THE VALUE OF THE CHI-	SQUARE.= + OF DEGREES OF FREEDOM AN	SULZES- -PCO
ARD DEVIATIONS AND CHI-	SQUARE.=+ COMPUTE FREQUENCIES, STAND	MASSFJ-01-XTW
N (WITH OR WITHOUT CHI-	SQUARE).= CROSS-TABULATIO	ROSEG - -CTO
ORDINATE OF THE CHI-	SQUARED DISTRIBUTION GIVEN THE NUMBE	SULZES- -PCO
OR THE CLASSICAL CHI-	SQUARED TEST ON A FOUR FOLDTABLE.=	SULZES- -PFS
FER SIGNIFICANTLY (CHI-	SQUARED).=+TWO OR MORE VARIANCES DIF	STERT - -MQB
THAT FITS BY LEAST	SQUARES A TRIGONOMETRIC SERIES UP	DIXOWJ- -BRP
POINT.= LEAST	SQUARES APPROXIMATION WITH FLOATING	PR LLI- -LSA
COFIT, A LEAST	SQUARES COSINE FITTING PROGRAM.=	ANDEBL- -CLS
KSL 4.40, K-3--A LEAST	SQUARES FIT OF A POLYNOMIAL TO A	DICKKW- -KKL
LEAST	SQUARES FIT TO RELAXATION EQUATION.=	CISLPJ- -LSF
R CURVE FITTING.= LEAST	SQUARES LINEAR, EXPONENTIAL AND POWE	OVERJE- -LSL
E2-HADF-POLFCTP--LEAST	SQUARES POLYNOMIAL FIT.=	DEPTHE- -EHP
NIH122--NONLINEAR LEAST	SQUARES PROGRAM.= E2-NIH-	DEPTHE-01-ENN
FUNCTION SCORES, CHI-	SQUARES REGARDING GROUP MEMBERSHIP	VELDDJ- -GPP
CTOR PROGRAM AND LEAST-	SQUARES SUM MAKER'.=+4 'STRUCTURE FA	PATTAL- -INS
FTER'.+ICR NO 7 'LEAST-	SQUARES SUM SOLVER AND PARAMETER SHI	PATTAL-01-INL
N BY CRITERION OF LEAST	SQUARES.= NON-LINEAR REGRESSIO	BEJAGG- -NLR
PERCENTAGE TABLES, CHI-	SQUARES, CONTINGENCY COEFFICIENTS	DIXOWJ- -BSC
WITH VARIABLE	STACKING--A PROGRAM TO COMPUTE TWO-W	DIXOWJ-03-BDC
NT)--THE PROGRAM PREPA+	STACY SPECIAL (REACTOR ISOTOPE ACCOU	OGBORE- -SSR
MEANS,	STANDARD DEV, COVARIANCES IN LOGARIT	DICKKW- -KKC
TO COMPUTE THE MEAN AND	STANDARD DEVIATION OF SEVERAL VARIAB	STERT -01-MPC
-F02, WEIGHTED MEAN AND	STANDARD DEVIATION.= GO-UOC	MEIEP -01-GUF
-F02, WEIGHTED MEAN AND	STANDARD DEVIATION.= GO-UOC	MEIEP -13-GUF
WHICH COMPUTES MEAN,	STANDARD DEVIATION, AND COMPARES	OGBORE- -TST
TISTICAL ROUTINE (MEAN,	STANDARD DEVIATION, T-TEST).= STA	OGBORE- -SRM
TO COMPUTE FREQUENCIES,	STANDARD DEVIATIONS AND CHI-SQUARE.=	MASSFJ-01-XTW
AND PRINT MEANS,	STANDARD DEVIATIONS AND THE INTER-CO	DEPTHE-19-GNN
PROGRAM FOR MEANS AND	STANDARD DEVIATIONS FROM SINGLE	OGBORE- -PMS
TRANSFORM RAW SCORES TO	STANDARD SCORES.= + PROGRAM TO	DICKKW- -KPT
PROGRAM TO COMPUTE A	STANDARD SPECTRUM FROM VARIABLE	OGBORE- -POF
BLY LOCATED AND DISPER+	STANDARD-A PROGRAM TO OBTAIN COMPARA	VELDDJ- -SPO
AND RANK ORDERS EACH	STANDARDIZED CASE BY THE SIZE OF	DIXOWJ- -BMP
PRINCIPAL COMPONENTS OF	STANDARDIZED DATA AND RANK ORDERS	DIXOWJ- -BMP
PRINCIPAL COMPONENTS OF	STANDARDIZED DATA AND RANK ORDERS	DIXOWJ- -BMR
	STAT.=	VELDDJ- -S

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OD ANALYSIS).=	STATIS (STATISTICAL ANALYSIS OF PERI	KIRK - -SSA
F TEST GIVEN THE F	STATISTIC AND THE DEGREES OF FREEDOM	SULZES- -CPV
DESCRIPT+KSL 2.70--A D-	STATISTIC PROGRAM TO CALCULATE INTER	DICKKW- -KDS
SIS).= STATIS (	STATISTICAL ANALYSIS OF PERIOD ANALY	KIRK - -SSA
GRAM.= TWIN II-A	STATISTICAL ANALYSIS OF TWINNING PRO	CARLJP- -TIS
A NON-PARAMETRIC	STATISTICAL ANALYSIS PROGRAM.=	DAMMRA- -NPS
AM TO PERFORM A + SAS,	STATISTICAL ANALYSIS SYSTEM--A PROGR	BRIDDA- -SSA
DP-CORANL-A PROGRAM FOR	STATISTICAL DATA REDUCTION.= G1-HE	DEPTHE- -GHC
1.=	STATISTICAL EXTENSIONS FOR RUNCIBLE	CASEIN- -SER
AND COMPUTE SIMPLE	STATISTICAL MEASURES ON THESE INTERV	DIXOWJ-03-BDD
DEVIATION, T-TEST).=	STATISTICAL ROUTINE (MEAN, STANDARD	OGBORE- -SRM
INATIONS OF TWO SETS OF	STATISTICAL VARIABLES.=+ LINEAR COMB	DEPTHE-17-GNN
TO COMPUTE VARIOUS	STATISTICS ASSOCIATED WITH PAIRED	DEPTHE-14-GNN
TABULATIONS AND SUMMARY	STATISTICS FROM DENTAL EPIDEMIOLOGIC	CARLJP- -BPP
TABLES AND BASIC	STATISTICS ON DATA STORED IN ANY	MERRHH- -CTP
TO COMPILE DISTRIBUTION	STATISTICS.= DISTAT, A PROGRAM	OGBORE- -DPC
UENCY DISTRIBUTIONS AND	STATISTICS.= + A PROGRAM TO GET FREQ	VELDDJ- -CPG
- COVARIANCES MEANS AND	STD DEVIATIONS.= + VARIANCE	DICKKW- -KKP
AT PERFORMS THE INITIAL	STEPS FOR GUTTMAN SCALE NO 2.= + TH	DIXOWJ-02-BSG
AT PERFORMS THE INITIAL	STEPS OF BMD06S AND BMD07S.= + TH	DIXOWJ- -BSG
THAT PERFORMS THE FINAL	STEPS OF GUTTMAN SCALE NO 2 SCORES	DIXOWJ-04-BSG
L REGRESSION ANALYSIS (	STEPWISE CONDENSATION.=+ EXPERIMENTA	HAMBRL- -XER
GRESSION EQUATIONS IN A	STEPWISE MANNER.=+MULTIPLE LINEAR RE	DIXOWJ-01-BRS
LINEAR REGRESSION,	STEPWISE METHOD.=2	DEPTHE-21-GNN
.= A	STEPWISE MULTIPLE REGRESSION PROGRAM	MARTCH- -SMR
G2 UCM F02	STEPWISE MULTIPLE REGRESSION.=	MEIEP -15-GUF
G2-UOC-MIX, GENERALIZED	STEPWISE REGRESSION (MODIFIED BIMD	MEIEP -07-GUM
G2 UCC MIX GENERALIZED	STEPWISE REGRESSION (MODIFIED BIMD	MEIEP -11-GUM
G2 UCM MIX GENERALIZED	STEPWISE REGRESSION (MODIFIED 09).=	MEIEP -10-GUM
).=	STEPWISE REGRESSION (REAL OR COMPLEX	ROSEG - -SRR
MPUTE A SEQUENC+BMD02R,	STEPWISE REGRESSION, A PROGRAM TO CO	DIXOWJ-01-BRS
DANCIES IN SEQUENCES OF	STIMULI OR RESPONSES.=+MEASURE REDUN	BRAUML- -SDA
PROPAGATION PROCESS OF	STIMULI OVER HEART TISSUE.= + OF THE	RHEIWC- -MMP
THAT COMPUTES MEANS,	STO. ERROR, VARIANCE BETWEEN AND	STERT - -MOW
TWO RANDOM VARIABLES IS	STOCHASTICALLY LARGER THAN THE OTHER	STERT - -MMT
STATISTICS ON DATA	STORED IN ANY FORMAT ON CARDS OR	MERRHH- -CTP
PLE CONFIDENCE INTERV+A	STRAIGHT LINE FIT PROGRAM WITH MULTI	MEDICO- -SLF
BMD07D, DESCRIPTION OF	STRATA WITH HISTOGRAMS--A PROGRAM	DIXOWJ-02-BDD
BMD06D, DESCRIPTION OF	STRATA--A PROGRAM TO SEPARATE CASES	DIXOWJ-03-BDD
CLEAR PEAK RATIOS AND	STRIPPING ELEMENTS OFF COMPOSITE.=	OGBORE-01-MDS
MASS DETERMINATION BY	STRIPPING--A PROGRAM TO SOLVE COMPOS	OGBORE-01-MDS
MASS DETERMINATION BY	STRIPPING, SIMPLIFIED VERSION.=	OGBORE- -MDS
NALYSIS PROGRAM FOR THE	STRONG VOCATIONAL INTEREST BLANK.=+A	BENDAW-01-IAP
TO AID PRIMARY PROTEIN	STRUCTURE DETERMINATION.= ' PROGRAM	DAYHMO- -CCP
QUARES SUM + ICR NO 4 '	STRUCTURE FACTOR PROGRAM AND LEAST-S	PATTAL- -INS
IMAX ROTATION TO SIMPLE	STRUCTURE.= A PROGRAM FOR THE OBL	NICKMR- -POR
THE ANALYSIS OF CRYSTAL	STRUCTURES.= + TO BRAGG'S LAW FOR	PARNBL- -TFA
	STUDENT T-TEST.=	OVERJE- -STT
THE ORDINATE OF	STUDENT'S T DISTRIBUTION GIVEN THE	SULZES-01-PCO
G6-NIH-NIH023--A	STUDENT'S T TABLE LOOKUP PROGRAM.=	DEPTHE-11-GNN
	STUDENT'S T-TEST.=	PR LLI- -SST
AMONG A SET OF	SUBJECT GROUPS ON A SERIES OF DEPEND	VELDDJ-01-APD
OF MEAN OF A SAMPLE	SUBJECT TO NATURAL CLUSTERING INTRAC	HOPKCG- -VMS
EASUREMENTS OF THE SAME	SUBJECT.=+FLUCTUATIONS IN REPEATED M	VELDDJ- -APD

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3 GO UCM F02	SUBROUTINE ROTATE (VARIMAX).=	MEIEP -08-GUF
DEVIATE+G5-NIH-NIH015-A	SUBROUTINE TO GENERATE A CHI-SQUARE	DEPTHE-04-GNN
NON-LINEAR REGRESSION	SUBROUTINE.=	BALLWE- -NLR
G2 UCM FC2 FORTRAN	SUBROUTINE--MULTIPLE REGRESSION AND	MEIEP -16-GUF
YSIS ON THE DATA WITHIN	SUBSAMPLES OF POPULATION.= + ANAL	DIXOWJ- -BRM
EXPERIMENT + BACKGROUND	SUBTRACT--A PROGRAM WHICH SUBTRACTS	OGBORE- -BSP
PROGRAM WHICH	SUBTRACTS EXPERIMENT BACKGROUND	OGBORE- -BSP
OGRAM AND LEAST-SQUARES	SUM MAKER'.=+ 4 'STRUCTURE FACTOR PR	PATTAL- -INS
ICR NO 7 'LEAST-SQUARES	SUM SOLVER AND PARAMETER SHIFTER'.=	PATTAL-01-INL
OR ALL + TABSM-A TABLE	SUMMARY PROGRAM WHICH MAKES TABLES F	SAKOJM- -TTS
PRODUCE TABULATIONS AND	SUMMARY STATISTICS FROM DENTAL EPIDE	CARLJP- -BPP
PROGRAM TO COMPUTE	SUMMARY TABLE FOR REPLICATED 2 WAY	STERT - -MPC
TO DEVELOP AND PRINT A	SUMMARY TABLE FOR UNREPLICATED 2	STERT - -MPD
NTS OF INDIVIDU+XTAB32,	SUMMARY TABLES PROGRAM 2 TO GIVE COU	MASSFJ-01-XST
XTAB31,	SUMMARY TABLES 1.=	MASSFJ- -XST
TWO DIMENSIONAL FOURIER	SUMMATION PROGRAM'.= + 1 'THREE AND	PATTAL- -INT
DIFFERENCE SCORES AND	SUMS OF DIFFERENCE SCORES ON THE	SULZES- -CDS
OUTPUT BY A FACTOR AND	SUMS SELECTED AREAS.= + 400-CHANNEL	OGBORE- -CCP
CONVERTER AND PEAK	SUMS WITH FLUX--A PROGRAM WHICH	OGBORE- -CCP
PROGRAMS FOR CURVE AND	SURFACE FITTING ON UNEQUALLY SPACED	HOBBC - -ISP
ACTUARIAL	SURVIVAL RATE COMPUTATION.=	PARNBL- -ASR
BMD01S, LIFE TABLE AND	SURVIVAL RATE PROGRAM.=	DIXOWJ- -BSL
UCM F02 LIFE TABLE AND	SURVIVAL RATE.= GO	U OFOF- -GUF
GO-UOC-BIN	SURVIVAL TABLES (ACTUARIAL METHOD).=	MEIEP - -GUB
GO UOC F02	SURVIVAL TABLES (ACTUARIAL METHOD).=	MEIEP -09-GUF
THE LINEARITY OF + A	SWAC REGRESSION PROGRAM WHICH CHECKS	LEVOE - -SRP
AM TO SOLVE PROBLEMS IN	SYMBOLIC LOGIC.= A PROGR	HAGEPW- -PSP
S AND VECTORS OF A REAL	SYMMETERIC MATRIX.= + F02 EIGENVALUE	MEIEP - -FHF
648-2--A PROGRAM FOR	SYMMETRIC AND NONSYMMETRIC CORRELATI	DAS RS- -UPP
OF A REAL	SYMMETRIC MATRIX BY THE JACOBI METHO	DEPTHE-06-FNN
TWO-DIMENSIONAL	SYSTEM HAVING UNEQUAL NUMBER OF	STERT -01-MPD
ACTOR ANALYSIS.= MAPS A	SYSTEM OF INTERRELATED PROGRAM FOR F	WEXLJD- -MSI
AN EXTERNAL RESPIRATORY	SYSTEM.= + MODEL OF THE HUM	DANTGB- -MMH
ROGRAM FOR A MULTIGROUP	SYSTEM.= + ANALYSIS OF COVARIANCE P	STERT - -MAC
STATISTICAL ANALYSIS	SYSTEM--A PROGRAM TO PERFORM A PRINC	BRIDDA- -SSA
ORDINATE OF STUDENT'S	T DISTRIBUTION GIVEN THE NUMBER OF D	SULZES-01-PCO
NIH-NIH023--A STUDENT'S	T TABLE LOOKUP PROGRAM.= G6-	DEPTHE-11-GNN
REEDOM AND THE VALUE OF	T.=+GIVEN THE NUMBER OF DEGREES OF F	SULZES-01-PCO
HE VARIANCE IS UNKNOWN,	T-DISTRIBUTION.= + MEAN WHEN T	MCMACA- -CSM
TING MMPI RAW SCORES TO	T-SCORES.= + PROGRAM FOR CONVER	LADDCE- -CPC
G2-NIH-NIH026G--	T-TEST FOR CORRELATED MEANS.=	DEPTHE-09-GNN
S.= A	T-TEST PROGRAM FOR INDEPENDENT GROUP	BENDAW- -TTP
HE DIFFERENCE BETWEEN +	T-TEST TO TEST THE SIGNIFICANCE OF T	STERT - -TTT
T PLOTS A HISTOGRAM OF+	T-TEST WITH HISTOGRAM--A PROGRAM THA	NICHHC-10-TTH
STUDENT	T-TEST.=	OVERJE- -STT
STUDENT'S	T-TEST.=	PR LLI- -SST
LINEAR FIT PROGRAM WITH	T-TEST.= 1MP004 A	STERT - -MLF
AN, STANDARD DEVIATION,	T-TEST).= STATISTICAL ROUTINE (ME	OGBORE- -SRM
	T-TEST, F-TEST, CHI-SQUARE TEST.=	OGBORE- -TTF
PAIRED AND INDEPENDENT	T-TESTS FOR UP TO 10 VARIABLES REPEA	OVERJE- -MPI
ES.= VESUVIUS/LIFE-	TAB-A PROGRAM TO ANALYZE DENTAL CARI	CARLJP- -VLT
REQUENCY TABLES + CROSS	TAB, A PROGRAM DESIGNED TO COMPUTE F	MERRHH- -CTP
BMD02S, CONTINGENCY	TABLE ANALYSIS, PROGRAM TO COMPUTE	DIXOWJ- -BSC
BMD01S, LIFE	TABLE AND SURVIVAL RATE PROGRAM.=	DIXOWJ- -BSL

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GO UCM F02 LIFE	TABLE AND SURVIVAL RATE.=	U OFOF- -GUF
TO COMPUTE SUMMARY	TABLE FOR REPLICATED 2 WAY ANALYSIS	STERT - -MPC
AND PRINT A SUMMARY	TABLE FOR UNREPLICATED 2 WAY ANALYSI	STERT - -MPD
NORMAL	TABLE GENERATOR.=	OGBORE- -NTG
N + E1-HADM--NBINTR--	TABLE LOOKUP AND LINEAR INTERPOLATIO	DEPTHE- -EHN
PROGRAM TO PERFORM A	TABLE LOOKUP OF THE F PROBABILITY	DEPTHE-06-GNN
H-NIH023--A STUDENT'S T	TABLE LOOKUP PROGRAM.= G6-NI	DEPTHE-11-GNN
BLES FOR ALL + TABSM-A	TABLE SUMMARY PROGRAM WHICH MAKES TA	SAKOJM- -TTS
AN ANALYSIS OF VARIANCE	TABLE, FOR ONE VARIABLE OF CLASSIFIC	DIXOWJ- -BVM
GC-UOC-BIN SURVIVAL	TABLES (ACTUARIAL METHOD).=	MEIEP - -GUB
GC UOC F02 SURVIVAL	TABLES (ACTUARIAL METHOD).=	MEIEP -09-GUF
TO COMPUTE FREQUENCY	TABLES AND BASIC STATISTICS ON DATA	MERRHH- -CTP
PROGRAM WHICH MAKES	TABLES FOR ALL POSSIBLE COMBINATIONS	SAKOJM- -TTS
M TO PROVIDE CONVERSION	TABLES FOR RAW-SCORE DISTRIBUTIONS.=	VELDDJ-01-CPP
UENCIES+XTAB22--TWO-WAY	TABLES II--A PROGRAM TO COMPUTE FREQ	MASSFJ-01-XTW
MPUTE TWO-WAY FREQUENCY	TABLES OF DATA INPUT.=+PROGRAM TO CO	DIXOWJ-03-BDC
NDIVIDU+XTAB32, SUMMARY	TABLES PROGRAM 2 TO GIVE COUNTS OF I	MASSFJ-01-XST
A CROSS CLASSIFICATION	TABLES PROGRAM.= XTAB61,	MASSFJ-01-XCC
XTAB11--ONE WAY	TABLES WITH HISTOGRAMS PLOT.=	MASSFJ- -XOW
XTAB12--PAIRED ONE-WAY	TABLES WITH HISTOGRAMS.=	MASSFJ- -XPO
XTAB21--TWO-WAY	TABLES 1.=	MASSFJ- -XTW
XTAB31, SUMMARY	TABLES 1.=	MASSFJ- -XST
A PROGRAM FOR A-FOLD	TABLES.=	MILLCR- -PFT
HAT GENERATES FREQUENCY	TABLES.= 1MP014-A PROGRAM T	STERT -02-MPT
S CORRECTION TWO-BY-TWO	TABLES.= CHI-SQUARE WITH YATE	MCMACA- -CSY
FOR A SET OF FREQUENCY	TABLES.= KSL 2.61--CHI-SQUARE	DICKKW- -KCS
AND PERCENTAGE	TABLES, CHI-SQUARES, CONTINGENCY	DIXOWJ- -BSC
FOR 2X2 CONTINGENCY	TABLES, CORRECTED FOR CONTINUITY.=	DAS RS- -PCS
MAKES TABLES FOR ALL +	TABSM-A TABLE SUMMARY PROGRAM WHICH	SAKOJM- -TTS
ROSS CLASSIFICATION AND	TABULATING PROGRAM.= A GENERAL C	BONARR- -GCC
RE).= CROSS-	TABULATION (WITH OR WITHOUT CHI-SQUA	ROSEG - -CTO
G1 UCM F02 CROSS	TABULATION NO 1.=	MEIEP -24-GUF
G1 UCM F02 CROSS	TABULATION NO 2.=	MEIEP -22-GUF
G1 UCM F02 CROSS	TABULATION NO 3 (MODIFIED 23).=	MEIEP -21-GUF
PROGRAM +BMDC8D, CROSS	TABULATION WITH VARIABLE STACKING--A	DIXOWJ-03-BDC
AM TO + BMDC9D, CROSS	TABULATION, INCOMPLETE DATA--A PROGR	DIXOWJ-02-BDC
PROGRAM TO PRODUCE	TABULATIONS AND SUMMARY STATISTICS	CARLJP- -BPP
TO PERFORM CROSS	TABULATIONS OF INPUT DATA EXCLUDING	DIXOWJ-02-BDC
PRETAB II-A FREQUENCY	TABULATOR PROGRAM.=	HARTD - -PIF
ICR NO 6 'FOURIER DATA	TAPE MAKER'.=	PATTAL- -INF
ANY FORMAT ON CARDS OR	TAPE.=+ STATISTICS ON DATA STORED IN	MERRHH- -CTP
A PROGRAM FOR KENDALL'S	TAU.=	BECKSL- -PKS
CLASSIFICATION PROGR+A	TAXONOMIC OPTIMIZATION PROCEDURE AND	LINGJC- -TOP
NUMERICAL	TAXONOMY.=	FLAKR - -NT
	TCHS 2 CLUSTER ANALYSIS.=	FRAN - -TCA
NT TRIALS X N EVENTS +	TCHS 3--PROBABILITIES OF K INDEPENDE	FRAN - -TPK
	TCHS 4 CORRELATION COEFFICIENTS.=	FRAN - -TCC
CHI-SQUARE VALUES OR +	TCHS 5--A PROGRAM TO COMPUTE ALL 2X2	FRAN - -TPC
RTS FOR THE EXPLORATIO+	TCHS 6 A PROGRAM TO PLOT KINDRED CHA	FRAN - -TPP
ED PARTIAL CORRELATION+	TCHS 7--A PROGRAM TO COMPUTE SPECIFI	FRAN -01-TPC
E.=	TCHS1-ONE-FACTOR ANALYSIS OF VARIANC	FRAN - -TOF
LAGRANGIAN + E1-HADM-	TEAARD--A THREE POINT SECOND DEGREE	DEPTHE- -EHT
E RANKED BY THE CORNELL	TECHNIQUE.= + NO 2 RESPONDENTS AR	DIXOWJ-03-BSG
DETECTION AND AVERAGING	TECHNIQUES IN COMPUTER ANALYSIS OF	ADEYWR- -APD

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LATION, A PROG+E1-HADM-	TEDUBL--LAGRANGIAN BIVARIATE INTERPO	DEPTHE-01-EHT
DIFFERENCES IN CENTRAL	TENDENCIES AMONG A SET OF SUBJECT	VELDDJ-01-APD
FOR TEST SCORING	TEST ANALYSIS ITEM ANALYSIS AND	WOLFR - -TPT
G2-NIH-NIH026G--T-	TEST FOR CORRELATED MEANS.=	DEPTHE-09-GNN
1MP030--A PROGRAM TO	TEST FOR DIFFERENCES BETWEEN MEANS	STERT - -MPT
BARTLETT'S	TEST FOR HOMOGENEITY OF VARIANCES.=	MCMACA- -BST
ROGRAM WHICH +TWO SIGMA	TEST FOR THREE AREAS AND NTAPES--A P	OGBORE- -TST
P-VALUES FOR FISHER'S F	TEST GIVEN THE F STATISTIC AND THE	SULZES- -CPV
= GO HED F02	TEST H**2, WITH COVARIANCE CONTROLS.	MEIEP -05-GHF
E CLASSICAL CHI-SQUARED	TEST ON A FOUR FOLDTABLE.= + OR TH	SULZES- -PFS
PERFORMANCE OF FISHER'S	TEST OR THE CLASSICAL CHI-SQUARED	SULZES- -PFS
= A T-	TEST PROGRAM FOR INDEPENDENT GROUPS.	BENDAW- -TTP
AT ONE+1MP015--MARSHALL	TEST PROGRAM TESTS THE HYPOTHESIS TH	STERT - -MMT
SCREENING A PROGRAM TO	TEST RAW INPUT DATA TO FIND THE	DEPTHE-29-GNN
A PROGRAM FOR	TEST SCORING AND ITEM ANALYSIS.=	BAKEFD- -PTS
TSSA2--A PROGRAM FOR	TEST SCORING TEST ANALYSIS ITEM	WOLFR - -TPT
S BASED ON DISTANCES IN	TEST SPACE.= + GROUPING ANALYSI	VELDDJ- -GPW
EXACT TEST TO	TEST THE PROBABILITY OF THE FREQUENC	STERT - -MFS
PROGRAM TO	TEST THE SIGNIFICANCE OF DIFFERENCES	DICKKW- -KFS
NCE BETWEEN + T-TEST TO	TEST THE SIGNIFICANCE OF THE DIFFERE	STERT - -TTT
1MP016--FISHER'S EXACT	TEST TO TEST THE PROBABILITY OF THE	STERT - -MFS
DIFFERENCE BETWEEN +T-	TEST TO TEST THE SIGNIFICANCE OF THE	STERT - -TTT
PROGRAM TO	TEST WHETHER SOME SPECIFIC PATTERN	DEPTHE-02-GNN
TEST-A PROGRAM TO	TEST WHETHER TWO OR MORE VARIANCES	STERT - -MQB
PLOTS A HISTOGRAM OF+T-	TEST WITH HISTOGRAM--A PROGRAM THAT	NICHHC-10-TTH
STUDENT T-	TEST.=	OVERJE- -STT
CHI-SQUARE	TEST.=	PR LLI- -CST
STUDENT'S T-	TEST.=	PR LLI- -SST
EST, F-TEST, CHI-SQUARE	TEST.= T-T	OGBORE- -TTF
EAR FIT PROGRAM WITH T-	TEST.= 1MP004 A LIN	STERT - -MLF
UATION OF THE REPERTORY	TEST.= A PROGRAM FOR EVAL	HESSHF- -PER
ROUPS, COMPARES WITH F-	TEST.=+VARIANCE BETWEEN AND WITHIN G	STERT - -MOW
RISON OF MEANS (SCHEFFE	TEST).= A PROGRAM COMPA	SMITWN- -PCM
INUS 2 SIGMA (CHAUVENET	TEST).= + SAMPLE AGAINST PLUS OR M	OGBORE- -TST
STANDARD DEVIATION, T-	TEST).= STATISTICAL ROUTINE (MEAN,	OGBORE- -SRM
R MORE+1MP02Q--BARTLETT	TEST-A PROGRAM TO TEST WHETHER TWO O	STERT - -MQB
T-TEST, F-	TEST, CHI-SQUARE TEST.=	OGBORE- -TTF
T-	TEST, F-TEST, CHI-SQUARE TEST.=	OGBORE- -TTF
RESPONSE FROM PULSE	TESTING DATA USING FILON'S FORMULA	CLEMWC-01-CFR
RESPONSE FROM PULSE	TESTING DATA USING THE TRAPEZOIDAL	CLEMWC- -CFR
	TESTS FOR LINEARITY OF REGRESSION.=	MCMACA- -TLR
AND INDEPENDENT T-	TESTS FOR UP TO 10 VARIABLES REPEATE	OVERJE- -MPI
ROGRAM FOR SIGNIFICANCE	TESTS OF DIFFERENCE BETWEEN MEANS.=	CABORA- -PST
OF TWO POPULATIONS.=	TESTS OF HYPOTHESES CONCERNING MEANS	MCMACA- -THC
TEST PROGRAM	TESTS THE HYPOTHESIS THAT ONE OF	STERT - -MMT
VECTOR SIGNIFICANCE	TESTS.=	ROSEG - -VST
PERSONS, RATHER THAN OF	TESTS.= + FACTOR ANALYSIS OF	VELDDJ- -TPC
VE DATA WITH CHI-SQUARE	TESTS.= + ANALYSIS OF QUALITATI	OVERJE- -FAQ
BMD07V, MULTIPLE RANGE	TESTS--A PROGRAM TO COMPUTE AN ANALY	DIXOWJ- -BVM
INTERCORRELATION	TETRACHORIC APPROXIMATIONS AND ELEME	VELDDJ- -CPP
A PROGRAM FOR THE	TETRACHORIC CORRELATION.=	CHARM - -PTC
SPECTRA TO CREATE A	THEORETICAL COMPOSITE SPECTRUM.=	OGBORE- -SAP
MMATION PROG+ICR NO I '	THREE AND TWO DIMENSIONAL FOURIER SU	PATTAL- -INT
ICH +TWO SIGMA TEST FOR	THREE AREAS AND NTAPES--A PROGRAM WH	OGBORE- -TST

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POLY+E1-HADM-TEAARD--A	THREE POINT SECOND DEGREE LAGRANGIAN	DEPTHE- -EHT
ADJUS+G4 HED F02 TWO TO	THREE WAY ANALYSIS OF VARIANCE COV.	MEIEP -04-GHF
ROPORTIONATE CELL FREQ+	THREE-WAY ANALYSIS OF VARIANCE FOR P	OVERJE-01-TWA
G1-NIH-NIH003G-TWO AND	THREEWAY CROSSTABULATIONS OF FREQUEN	DEPTHE-28-GNN
G3 UCM MIX	TIME SERIES ANALYSIS NO 1.=	MEIEP -01-GUM
G3 UCM MIX	TIME SERIES ANALYSIS NO 2.=	MEIEP - -GUM
A PROGRAM FOR	TIME SERIES COMPONENTS ANALYSIS.=	SCHRND- -PTS
CN ANALYSIS OF MULTIPLE	TIME SERIES. + AND CROSS CORRELATI	OVERJE- -ACC
RAL DENSITY ANALYSIS OF	TIME SERIES.= SPECT	OVERJE- -SDA
NY PERIODIC FUNCTION OR	TIME SERIES.= + FOURIER SERIES TO A	SULZES- -FFS
SHIFT IN RESPONSE FROM	TIME 1 TO TIME 2.=+CHI-SQUARE OF THE	DEPTHE-10-GNN
RESPONSE FROM TIME 1 TO	TIME 2.=+CHI-SQUARE OF THE SHIFT IN	DEPTHE-10-GNN
VARIABLES REPEATED OVER	TIME.= + T-TESTS FOR UP TO 10	OVERJE- -MPI
ACTIVITY--VARIABLE	TIME--A COMPUTER PROGRAM TO DETERMIN	OGBORE- -SAV
OR VARIABLE IRRADIATION	TIMES.= + NEURON IRRADIATED SAMPLE F	OGBORE- -SAV
S OF STIMULI OVER HEART	TISSUE.= + OF THE PROPAGATION PROCES	RHEIWC- -MMP
FLUOROMETRIC	TITRATION OF ANTIBODIES.=	EISEH - -FTA
COMPUTE INDIVIDUAL AND	TOTAL CHI-SQUARE DISTRIBUTIONS.=+ TO	DEPTHE-05-GNN
PROGRAM PREPARES YEAR	TOTAL OF ACTIVITY PER ELEMENT.=	OGBORE- -SSR
RANSPOSED FACTOR ANALY+	TRANFACT--A PROGRAM TO CARRY OUT A T	VELDDJ- -TPC
A PROGRAM TO	TRANSFORM A MATRIX INTO NEARLY A	DEPTHE- -FNN
KSL 4.10--A PROGRAM TO	TRANSFORM RAW SCORES TO STANDARD	DICKKW- -KPT
A PROGRAM FOR	TRANSFORMATION ANALYSIS.=	KINGFJ- -PTA
FOR A REGRESSION	TRANSFORMATION OF PSYCHOPHYSIOLOGIC	WILLBJ- -PRT
KSL 2.50--FISHER'S Z	TRANSFORMATION PROGRAM TO TEST THE	DICKKW- -KFS
ULTIPLE REGRESSION WITH	TRANSFORMATIONS.= KSL 2.20, K-14--M	DICKKW- -KKM
AR MATRIX BY SIMILARITY	TRANSFORMATIONS.=+ NEARLY A TRIANGUL	DEPTHE- -FNN
(CORRELATION WITH	TRANSGENERATION)--A PROGRAM TO COMPU	DIXOWJ- -BDC
PROGRAM TO CARRY OUT A	TRANSPOSED FACTOR ANALYSIS OF PERSON	VELDDJ- -TPC
TESTING DATA USING THE	TRAPEZOIDAL RULE FOR NUMERICAL EVALU	CLEMWC- -CFR
ON PROGRAM OF RADIATION	TREATMENT PLANNING.= AN AUTOMATI	STERTD- -APR
BIOASSAY WITH A SINGLE	TREATMENT.= + ANALYSIS OF QUANTAL	SULZES- -PAQ
ORTHOGONAL POLYNOMIAL	TREND ANALYSIS.=	OVERJE- -OPT
LATION ANALYSIS.=	TREND CORRECTED AUTO AND CROSS CORRE	OVERJE- -TCA
COVARIANCES AND SERIAL	TREND.= + WITH SPECIFIED MEANS,	DICKKW-01-KCS
PROGRAM FOR MONTE CARLO	TRIALS ON A LINEAR LEARNING MODEL	CAMPDP- -PMC
OF K INDEPENDENT	TRIALS X N EVENTS (VARYING PROBABILI	FRAN - -TPK
A MATRIX INTO NEARLY A	TRIANGULAR MATRIX BY SIMILARITY	DEPTHE- -FNN
DETERMINANT OF A NEARLY	TRIANGULAR MATRIX.=+TO EVALUATE THE	DEPTHE-08-FNN
BRAGG'S LAW FOR THE +	TRIGONOMETRIC FUNCTIONS ACCORDING TO	PARNBL- -TFA
FITS BY LEAST SQUARES A	TRIGONOMETRIC SERIES UP TO THE NINTH	DIXOWJ- -BRP
ST ANALYSIS ITEM ANALY+	TSSA2--A PROGRAM FOR TEST SCORING TE	WOLFR - -TPT
INNING PROGRAM.=	TWIN II-A STATISTICAL ANALYSIS OF TW	CARLJP- -TIS
STATISTICAL ANALYSIS OF	TWINNING PROGRAM.= TWIN II-A	CARLJP- -TIS
FREQUE+G1-NIH-NIH003G-	TWO AND THREEWAY CROSSTABULATIONS OF	DEPTHE-28-GNN
ORDINATE AND/OR AREA OF	TWO CLOSELY RELATED PROBABILITY	DEPTHE-07-GNN
AREA OR DERIVATIVE OF	TWO CLOSELY RELATED PROBABILITY	DEPTHE-08-GNN
	TWO CORRELATION PROGRAMS.=	IKERPH- -TCP
ICR NO 1 'THREE AND	TWO DIMENSIONAL FOURIER SUMMATION	PATTAL- -INT
DISCRIMINANT ANALYSIS--	TWO GROUPS.= G1 UCM F02	MEIEP -14-GUF
ON EACH INDIVIDUAL OF	TWO GROUPS-THE FUNCTION IS THEN	DIXOWJ- -BMD
ANALYSIS FOR	TWO GROUPS, A PROGRAM THAT COMPUTES	DIXOWJ- -BMD
OF FACTOR-VECTORS FROM	TWO INDEPENDENT FACTOR ANALYSES.=	VELDDJ- -MPC
THE DIFFERENCE BETWEEN	TWO MEANS.=+TEST THE SIGNIFICANCE OF	STERT - -TTT

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PROGRAM TO TEST WHETHER	TWO	OR MORE VARIANCES DIFFER SIGNIFI	STERT - -MQB
SES CONCERNING MEANS OF	TWO	POPULATIONS.= TESTS OF HYPOTHE	MCMACA- -THC
HYPOTHESIS THAT ONE OF	TWO	RANDOM VARIABLES IS STOCHASTICAL	STERT - -MMT
LINEAR COMBINATIONS OF	TWO	SETS OF STATISTICAL VARIABLES.=	DEPTHE-17-GNN
AL CORRELATIONS BETWEEN	TWO	SETS OF VARIABLES.=+ THE CANONIC	DIXOWJ- -BMC
OF CORRESPONDENCE AMONG	TWO	SETS OF VARIABLES'.=+DIMENSIONS	VELDDJ- -CPT
TAPES--A PROGRAM WHICH+	TWO	SIGMA TEST FOR THREE AREAS AND N	OGBORE- -TST
ATES CORRECTION TWO-BY-	TWO	TABLES.= CHI-SQUARE WITH Y	MCMACA- -CSY
E COV. ADJUS+G4 HED FO2	TWO	TO THREE WAY ANALYSIS OF VARIANC	MEIEP -04-GHF
EATED MEASUREMENTS.=	TWO	VARIABLES OF CLASSIFICATION, REP	MCMACA-01-TVC
GLE OBSERVATION.=	TWO	VARIABLES OF CLASSIFICATION, SIN	MCMACA- -TVC
VALUES OF A FUNCTION OF	TWO	VARIABLES.=+A PLANE TO DISCRETE	DEPTHE-01-EHN
VALUES OF A FUNCTION OF	TWO	VARIABLES.=+A PLANE TO DISCRETE	DEPTHE-01-EHT
OF EACH CHANNEL + PHASE	TWO	--A PROGRAM TO COMPUTE HALF-LIFE	OGBORE- -PTP
E WITH YATES CORRECTION	TWO	-BY-TWO TABLES.= CHI-SQUAR	MCMACA- -CSY
FOR A REPLICATED	TWO	-DIMENSIONAL SYSTEM HAVING UNEQUA	STERT -01-MPD
PORTIONATE CELL FREQUE+	TWO	-WAY ANALYSIS OF VARIANCE FOR PRO	OVERJE-02-TWA
QUAL AND DISPROPORTION+	TWO	-WAY ANALYSIS OF VARIANCE FOR UNE	OVERJE- -TWA
PROGRAM TO COMPUTE	TWO	-WAY FREQUENCY AND PERCENTAGE	DIXOWJ- -BSC
PROGRAM TO COMPUTE	TWO	-WAY FREQUENCY TABLES OF DATA	DIXOWJ-03-BDC
UTE FREQUENCIE+XTAB22--	TWO	-WAY TABLES II--A PROGRAM TO COMP	MASSFJ-01-XTW
XTAB21--	TWO	-WAY TABLES 1.=	MASSFJ- -XTW
LE METRIC METHOD).= E2	UCC	BIN NONLINEAR ESTIMATION (VARIAB	MEIEP - -EUB
G1-	UCM	CHI-SQUARE PROGRAM.=	BRUNRE- -GUC
G1	UCM	DATA SCREENING NO 3.=	MEIEP - -GUD
G4	UCM	FOR ANALYSIS OF COVARIANCE.=	MEIEP -11-GUA
F2	UCM	FO2 CANONICAL ANALYSIS.=	MEIEP - -FUF
G2	UCM	FO2 COMPONENT ANALYSIS.=	MEIEP -07-GUF
G1	UCM	FO2 CROSS TABULATION NO 1.=	MEIEP -24-GUF
G1	UCM	FO2 CROSS TABULATION NO 2.=	MEIEP -22-GUF
IED 23).= G1	UCM	FO2 CROSS TABULATION NO 3 (MODIF	MEIEP -21-GUF
G1	UCM	FO2 DATA PATTERNS-DICROTOMY.=	MEIEP -23-GUF
G1	UCM	FO2 DATA PATTERNS-POLYCHOTOMY.=	MEIEP -26-GUF
ROUPS.= G1	UCM	FO2 DISCRIMINANT ANALYSIS--TWO G	MEIEP -14-GUF
REGRESSION AND CORR+G2	UCM	FO2 FORTRAN SUBROUTINE--MULTIPLE	MEIEP -16-GUF
ANOVA.= G4	UCM	FO2 GENERAL HYPOTHESIS NO 2 FOR	MEIEP -05-GUF
R ANOVA.= G4	UCM	FO2 GENERAL LINEAR HYPOTHESIS FO	MEIEP -04-GUF
G0	UCM	FO2 GENERAL PLOT.=	MEIEP -25-GUF
G0	UCM	FO2 GUTTMAN SCALING NO 1.=	MEIEP -29-GUF
).= G0	UCM	FO2 GUTTMAN SCALING NO 2 (PART 1	MEIEP -28-GUF
).= G0	UCM	FO2 GUTTMAN SCALING NO 2 (PART 2	MEIEP -02-GUF
).= G0	UCM	FO2 GUTTMAN SCALING NO 2 (PART 3	MEIEP -03-GUF
.= G0	UCM	FO2 LIFE TABLE AND SURVIVAL RATE	U OFOF- -GUF
ELATION ANALYSIS.= G2	UCM	FO2 MULTIPLE REGRESSION AND CORR	MEIEP -20-GUF
PAL COMPONENTS.= G2	UCM	FO2 REGRESSION ON PRIMARY PRINCI	U OFOF-01-GUF
= G0	UCM	FO2 ROTATION OF A FACTOR MATRIX.	MEIEP -06-GUF
NO 3.= G1	UCM	FO2 SIMPLE MISSING VALUE ROUTINE	MEIEP -27-GUF
.= G2	UCM	FO2 STEPWISE MULTIPLE REGRESSION	MEIEP -15-GUF
= 3 G0	UCM	FO2 SUBROUTINE ROTATE (VARIMAX).	MEIEP -08-GUF
G4	UCM	MIX ANALYSIS OF COVARIANCE.=	MEIEP -03-GUM
G4	UCM	MIX ANALYSIS OF VARIANCE NO 2.=	MEIEP -04-GUM
G4	UCM	MIX ANALYSIS OF VARIANCE NO1.=	MEIEP -02-GUM
LOT).= G2	UCM	MIX CORRELATION ANALYSIS (WITH P	MEIEP -05-GUM
G1	UCM	MIX DATA SCREENING NO 1.=	MEIEP -13-GUM

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	G1	UCM MIX DATA SCREENING NO 2.=	MEIEP -14-GUM
	G1	UCM MIX DATA SCREENING NO 4.=	MEIEP -12-GUM
L GROUPS.=	G1	UCM MIX DISCRIMINANT ANALYSIS-SEVERA	MEIEP -06-GUM
ION (MODIFIED 09).=	G2	UCM MIX GENERALIZED STEPWISE REGRESS	MEIEP -10-GUM
	G2	UCM MIX PERIODIC REGRESSION.=	MEIEP -09-GUM
	G2	UCM MIX POLYNOMIAL REGRESSION.=	MEIEP -08-GUM
	G3	UCM MIX TIME SERIES ANALYSIS NO 1.=	MEIEP -01-GUM
	G3	UCM MIX TIME SERIES ANALYSIS NO 2.=	MEIEP - -GUM
	G2	UCM PROBIT ANALYSIS (DUMMY).=	MEIEP - -GUP
TIC, COMPERTZ, ETC)+	G2-	UCM-F02 ASYMPTOTIC REGRESSION (LOGIS	MEIEP -17-GUF
ELATION ANALYSIS +	G2-	UCM-F02 MULTIPLE REGRESSION AND CORR	MEIEP -19-GUF
IFIED 06).=	G2-	UCM-F02 MULTIPLE REGRESSION NO3 (MOD	MEIEP -18-GUF
	G1-	UCM-F02--GENERAL CHI-SQUARE.=	MEIEP - -GUF
	F2-	UCM-MIX FACTOR ANALYSIS.=	MEIEP - -FUM
VARIANCE ANALYSIS (FROM		UCRBL 0014).=	OGBORE- -VAU
PROGRAMS.=		UN 14, UN 36 MULTIVARIATE PREDICTION	SCHAKW- -UUM
MS.=		UN 14, UN 36 MULTIVARIATE PREDICTION PROGRA	SCHAKW- -UUM
ODUCT MOMENT CORRELATI-		UN-12, UN-13, UN-15, UN-16, UN-17 PR	SCHAKW- -UUU
CMENT CORRELATIO+		UN-12, UN-13, UN-15, UN-16, UN-17 PRODUCT M	SCHAKW- -UUU
ORRELATIO+		UN-12, UN-13, UN-15, UN-16, UN-17 PRODUCT MOMENT C	SCHAKW- -UUU
		UN-12, UN-13, UN-15, UN-16, UN-17 PRODUCT MOMENT CORRELAT	SCHAKW- -UUU
		UN-13, UN-15, UN-16, UN-17 PRODUCT MOMENT CORRELATION	SCHAKW- -UUU
LATION MATRIX, OMITTING		UNDESIRED VARIABLES.=+A SIMPLE CORRE	DIXOWJ-01-BDC
		OF VARIANCE FOR UNEQUAL AND DISPROPORTIONATE CELL	OVERJE- -TWA
OF CLASSIFICATION, WITH		UNEQUAL GROUP SIZES.=+ ONE VARIABLE	DIXOWJ- -BVM
		SYSTEM HAVING UNEQUAL NUMBER OF OBSERVATIONS IN	STERT -01-MPD
ITH PAIRED VARIABLES OF		UNEQUAL SAMPLE SIZE.= + ASSOCIATED W	DEPTHE-14-GNN
AND SURFACE FITTING ON		UNEQUALLY SPACED POINTS.=+ FOR CURVE	HOBBC - -ISP
TRIBUTION PROGRAM USING		UNIT CLASS INTERVALS.= + COUNT DIS	SAKOJM- -CFC
S LINEAR EQUATIONS IN N		UNKNOWN.=+ OF A SET OF N SIMULTANEOU	DEPTHE-09-FNN
AN WHEN THE VARIANCE IS		UNKNOWN, T-DISTRIBUTION.= + ME	MCMACA- -CSM
		A SUMMARY TABLE FOR UNREPLICATED 2 WAY ANALYSIS OF VARIA	STERT - -MPD
ERS 1).=	000077-E2-	UOC BIN NONLINEAR ESTIMATION (BSCC V	MEIEP -01-EUB
ERS 1).=	E2	UOC F02 NONLINEAR ESTIMATION (BSCC V	MEIEP - -EUF
LE METRIC METHOD).=	E2	UOC F02 NONLINEAR ESTIMATION (VARIAB	MEIEP -01-EUF
ETHOD).=	GO	UOC F02 SURVIVAL TABLES (ACTUARIAL M	MEIEP -09-GUF
ION (MODIFIED BIMD +	G2	UOC MIX GENERALIZED STEPWISE REGRESS	MEIEP -11-GUM
ETHOD).=	GO-	UOC-BIN SURVIVAL TABLES (ACTUARIAL M	MEIEP - -GUB
DEVIATION.=	GO-	UOC-F02, WEIGHTED MEAN AND STANDARD	MEIEP -01-GUF
DEVIATION.=	GO-	UOC-F02, WEIGHTED MEAN AND STANDARD	MEIEP -13-GUF
SION (MODIFIED BIMD+	G2-	UOC-MIX, GENERALIZED STEPWISE REGRES	MEIEP -07-GUM
		OF THE GLYCINE- URATE HYPOTHESIS IN PRIMARY GOUT.=	NUGECA- -EGU
F ELECTROCARDIOGRAMS.=		USE OF COMPUTERS IN INTERPRETATION O	PIPBHV- -UCI
		FUNCTION IS THEN USED AS AN INDEX FOR DISCRIMINATION	DIXOWJ- -BMD
YMMETRIC AND NONSYMMET+		USERS PROJECT 648-2--A PROGRAM FOR S	DAS RS- -UPP
E.=		ITEM ANALYSIS USING A CONTINUOUS CRITERION VARIABL	IKERHP-01-IAU
LE.=		ITEM ANALYSIS USING A DICHOTOMOUS CRITERION VARIAB	IKERHP- -IAU
		AXIS FACTOR ANALYSIS USING EITHER THE OBLIMAX OR VERIMAX	BRIDDA- -SSA
FROM PULSE TESTING DATA		USING FILON'S FORMULA FOR NUMERICAL	CLEMWC-01-CFR
FROM PULSE TESTING DATA		USING THE TRAPEZOIDAL RULE FOR NUMER	CLEMWC- -CFR
NT DISTRIBUTION PROGRAM		USING UNIT CLASS INTERVALS.= + COU	SAKOJM- -CFC
		OF CARDIAC ARRHYTHMIA UTILIZING THE SETAR MARK III AND	BLACCR- -ACA
REES OF FREEDOM AND THE		VALUE OF T.=+GIVEN THE NUMBER OF DEG	SULZES-01-PCO
REES OF FREEDOM AND THE		VALUE OF THE CHI-SQUARE.= + OF DEG	SULZES- -PCO

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UCM FO2 SIMPLE MISSING	VALUE ROUTINE NO 3.= G1	MEIEP -27-GUF
F + CALCULATION OF P-	VALUES FOR FISHER'S F TEST GIVEN THE	SULZES- -CPV
FIT A PLANE TC DISCRETE	VALUES OF A FUNCTION OF TWO VARIABLE	DEPTHE-01-EHN
FIT A PLANE TC DISCRETE	VALUES OF A FUNCTION OF TWO VARIABLE	DEPTHE-01-EHT
ALL 2X2 CHI-SQUARE	VALUES OF A MATRIX OF DICHOTOMOUS	FRAN - -TPC
ED FO2 EIGENVECTORS AND	VALUES OF A NONSYMMETRIC MATRIX.=+ H	MEIEP -01-FHF
PROGRAM TO COMPUTE THE	VALUES OF THE FOURIER SERIES AT A	DEPTHE- -ENN
PREDICTED	VALUES PROGRAM TO SELECT FOR EACH	DEPTHE-23-GNN
ES OF DATA WITH MISSING	VALUES.= + CORRELATION MATRIC	DAS RS- -UPP
UDING SPECIFIED SPECIAL	VALUES.= + OF INPUT DATA EXCL	DIXOWJ-02-BDC
E AND SMALLEST NEGATIVE	VALUES.=+EXTRACT THE LARGEST POSITIV	DICKKW-01-KPT
INTERVALS OF ONE	VARIABLE AND COMPUTE SIMPLE STATISTI	DIXOWJ-03-BDD
BETWEEN A DEPENDENT	VARIABLE AND ONE OR MORE INDEPENDENT	DIXOWJ- -BRS
PERCENTS OF CASES OF A	VARIABLE FALLING INTO 3 CLASSES.=	MASSFJ- -XHL
N IRRADIATED SAMPLE FOR	VARIABLE IRRADIATION TIMES.= + NEURO	OGBORE- -SAV
NONLINEAR ESTIMATION (	VARIABLE METRIC METHOD).=+E2 UCC BIN	MEIEP - -EUB
NONLINEAR ESTIMATION (	VARIABLE METRIC METHOD).=+E2 UOC FO2	MEIEP -01-EUF
STANDARD SPECTRUM FROM	VARIABLE NUMBER OF CASES.=+COMPUTE A	OGBORE- -POF
MULTIPLIER--MULTIPLIES	VARIABLE NUMBER OF CHANNELS BY A	OGBORE- -FMM
SINGLE	VARIABLE OF CLASSIFICATION.=	MCMACA- -SVC
VARIANCE TABLE, FOR ONE	VARIABLE OF CLASSIFICATION, WITH	DIXOWJ- -BVM
TO SELECT FOR EACH	VARIABLE SPECIFIED INDEPENDENT VARIA	DEPTHE-23-GNN
CROSS TABULATION WITH	VARIABLE STACKING--A PROGRAM TO	DIXOWJ-03-BDC
DETE+SAMPLE ACTIVITY--	VARIABLE TIME--A COMPUTER PROGRAM TO	OGBORE- -SAV
A CONTINUOUS CRITERION	VARIABLE.= ITEM ANALYSIS USING	IKERHP-01-IAU
TO PREDICT A DEPENDENT	VARIABLE.= + VARIABLES IN ORDER	DEPTHE-23-GNN
A DICHOTOMOUS CRITERION	VARIABLE.= ITEM ANALYSIS USING	IKERHP- -IAU
ES TO PREDICT DEPENDENT	VARIABLE.= + OF INDEPENDENT VARIABL	DEPTHE-22-GNN
DEVIATION OF SEVERAL	VARIABLES AND THEIR 90 PERCENT AND	STERT -01-MPC
CROSS- CLASSIFIES GIVEN	VARIABLES BY OTHER VARIABLES.=	SAKOJM- -XGC
PROGRAM TO COMPUTE NEW	VARIABLES FOR CORRELATION INPUT.=+ A	DEPTHE-20-GNN
SPECIFIED INDEPENDENT	VARIABLES IN ORDER TO PREDICT A	DEPTHE-23-GNN
THAT ONE OF TWO RANDOM	VARIABLES IS STOCHASTICALLY LARGER	STERT - -MMT
A LINEAR FUNCTION OF P	VARIABLES MEASURED ON EACH INDIVIDUA	DIXOWJ- -BMD
D MEASUREMENTS.= TWO	VARIABLES OF CLASSIFICATION, REPEATE	MCMACA-01-TVC
OBSERVATION.= TWO	VARIABLES OF CLASSIFICATION, SINGLE	MCMACA- -TVC
ASSOCIATED WITH PAIRED	VARIABLES OF UNEQUAL SAMPLE SIZE.=	DEPTHE-14-GNN
OF ALL COMBINATIONS OF	VARIABLES PROGRAM. IT COMPUTES, THE	OGBORE- -ELR
WEIGHT TO GIVEN DATA ON	VARIABLES RANKS THE CASES AND ASSIGN	DIXOWJ-01-BSG
T-TESTS FOR UP TO 10	VARIABLES REPEATED OVER TIME.=	OVERJE- -MPI
NUMBER OF INDEPENDENT	VARIABLES TO PREDICT DEPENDENT VARIA	DEPTHE-22-GNN
IVEN VARIABLES BY OTHER	VARIABLES.= + CROSS- CLASSIFIES G	SAKOJM- -XGC
OF ALL COMBINATIONS OF	VARIABLES.= + REGRESSION ANALYSIS	OGBORE- -LRA
A MATRIX OF DICHOTOMOUS	VARIABLES.= + CHI-SQUARE VALUES OF	FRAN - -TPC
ASURES OF DISPERSION OF	VARIABLES.= + SIMPLE AVERAGES AND ME	DIXOWJ- -BDS
ONE OR MORE INDEPENDENT	VARIABLES.=+ DEPENDENT VARIABLE AND	DIXOWJ- -BRS
TWO SETS OF STATISTICAL	VARIABLES.=+ LINEAR COMBINATIONS OF	DEPTHE-17-GNN
N A SERIES OF DEPENDENT	VARIABLES.=+ SET OF SUBJECT GROUPS O	VELDDJ-01-APD
ONS BETWEEN TWO SETS OF	VARIABLES.=+ THE CANONICAL CORRELATI	DIXOWJ- -BMC
ES OF A FUNCTION OF TWO	VARIABLES.=+A PLANE TO DISCRETE VALU	DEPTHE-01-EHN
ES OF A FUNCTION OF TWO	VARIABLES.=+A PLANE TO DISCRETE VALU	DEPTHE-01-EHT
RIX, OMITTING UNDESIRED	VARIABLES.=+A SIMPLE CORRELATION MAT	DIXOWJ-01-BDC
COMBINATIONS OF CONTROL	VARIABLES.=+TABLES FOR ALL POSSIBLE	SAKOJM- -TTS
DENCE AMONG TWO SETS OF	VARIABLES'.=+DIMENSIONS OF CORRESPON	VELDDJ- -CPT

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=	VARIANCE ANALYSIS (FROM UCRBL 0014).	OGBORE- -VAU
ANALYSIS OF	VARIANCE AND COVARIANCE.=	PR LLI- -AVC
MEANS, STD. ERROR,	VARIANCE BETWEEN AND WITHIN GROUPS,	STERT - -MOW
C THREE WAY ANALYSIS OF	VARIANCE COV. ADJUST.=+HED FO2 TWO T	MEIEP -04-GHF
DEVELOP THE ANALYSIS OF	VARIANCE FOR A REPLICATED TWO-DIMENS	STERT -01-MPD
BMD02V, ANALYSIS OF	VARIANCE FOR FACTORIAL DESIGN.=	DIXOWJ-02-BVA
THREE-WAY ANALYSIS OF	VARIANCE FOR PROPORTIONATE CELL	OVERJE-01-TWA
TWO-WAY ANALYSIS OF	VARIANCE FOR PROPORTIONATE CELL	OVERJE-02-TWA
TWO-WAY ANALYSIS OF	VARIANCE FOR UNEQUAL AND DISPROPORTI	OVERJE- -TWA
MEAN WHEN THE	VARIANCE IS UNKNOWN, T-DISTRIBUTION.	MCMACA- -CSM
G4 UCM MIX ANALYSIS OF	VARIANCE NO 2.=	MEIEP -04-GUM
G4 UCM MIX ANALYSIS OF	VARIANCE NO1.=	MEIEP -02-GUM
TO NATURAL CLUSTERING+	VARIANCE OF MEAN OF A SAMPLE SUBJECT	HOPKCG- -VMS
WAY ANALYSIS OF	VARIANCE PROGRAM THAT COMPUTES MEANS	STERT - -MOW
REANOVA--AN ANALYSIS OF	VARIANCE PROGRAM.=	VELDDJ- -RAV
A4--A 4-WAY ANALYSIS OF	VARIANCE PROGRAM.= ANV	SAKOJM- -AWA
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-ONE-FACTUR ANALYSIS OF	VARIANCE.= TCHS1	FRAN - -TOF
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CATED 2 WAY ANALYSIS OF	VARIANCE.=+SUMMARY TABLE FOR UNREPLI	STERT - -MPD
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IERARCHICAL ANALYSIS OF	VARIANCE, HI-AOV.= A PROGRAM FOR H	PULLG - -PHA
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ANALYSIS (C) ORTHOGONAL	VARIMAX ROTATION.= + AXIS FACTOR	VELDDJ- -FPP
FO2 SUBROUTINE ROTATB (	VARIMAX).= 3 GO UCM	MEIEP -08-GUF
A PROGRAM TO COMPUTE	VARIOUS STATISTICS ASSOCIATED WITH	DEPTHE-14-GNN
ENT TRIALS X N EVENTS (	VARYING PROBABILITIES).=+ K INDEPEND	FRAN - -TPK
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CLASSIFICATI+NORMALIZED	VECTOR PRODUCT MULTIVARIATE PROFILE	OVERJE- -NVP
	VECTOR SIGNIFICANCE TESTS.=	ROSEG - -VST
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IH-NIH003F EIGENVALUES-	VECTORS AND MATRIX MULTIPLICATIONS.=	DEPTHE-04-FNN
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HED FO2 EIGENVALUES AND	VECTORS OF A REAL SYMMETERIC MATRIX.	MEIEP - -FHF
EIGENVALUES-	VECTORS OF A REAL SYMMETRIC MATRIX	DEPTHE-06-FNN
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G EITHER THE CBLIMAX OR	VERIMAX CRITERION.= + ANALYSIS USIN	BRIDDA- -SSA

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LINEAR ESTIMATION (BSCC	VERS 1).= E2 UOC FO2 NON	MEIEP - -EUF
LINEAR ESTIMATION (BSCC	VERS 1).= 000077-E2-UOC BIN NON	MEIEP -01-EUB
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ZE DENTAL CARIES.=	VESUVIUS/LIFE-TAB-A PROGRAM TO ANALY	CARLJP- -VLT
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RED CELL	VOLUME.=	OGBORE- -RCV
E ANALYSIS OF SAMPLES (	WATER, MILK ETC).= + BY A QUALITATIV	CARLJP- -IDP
SIMPLE ONE-	WAY ANALYSIS OF COVARIANCE.=	OVERJE- -SOW
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IONATE CELL FREQ+THREE-	WAY ANALYSIS OF VARIANCE FOR PROPORT	OVERJE-01-TWA
IONATE CELL FREQUE+TWO-	WAY ANALYSIS OF VARIANCE FOR PROPORT	OVERJE-02-TWA
AND DISPROPORTION+TWO-	WAY ANALYSIS OF VARIANCE FOR UNEQUAL	OVERJE- -TWA
T COMPUTES +1MP005--ONE	WAY ANALYSIS OF VARIANCE PROGRAM THA	STERT - -MOW
G4-NIH-NIH018G--A ONE	WAY ANALYSIS OF VARIANCE PROGRAM.=	DEPTHE-12-GNN
ANVA4--A 4-	WAY ANALYSIS OF VARIANCE PROGRAM.=	SAKOJM- -AWA
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ATION AND + 1MP028--3	WAY ANALYSIS OF VARIANCE WITH REPLIC	STERT -01-MWA
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ABLE FOR UNREPLICATED 2	WAY ANALYSIS OF VARIANCE.=+SUMMARY T	STERT - -MPD
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XTAB12--PAIRED ONE-	WAY TABLES WITH HISTOGRAMS.=	MASSFJ- -XPO
XTAB21--TWO-	WAY TABLES 1.=	MASSFJ- -XTW
THAT ASSIGNS PROPER	WEIGHT TO GIVEN DATA ON VARIABLES	DIXOWJ-01-BSG
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.= GC-UOC-FO2,	WEIGHTED MEAN AND STANDARD DEVIATION	MEIEP -13-GUF
OLYNOMIAL TO A SET OF N	WEIGHTED POINTS.=+SQUARES FIT OF A P	DICKKW- -KKL
= ICR NO 12 '	WEISSENBERG DATA REDUCTION ROUTINE'.	PATTAL- -INW
ANSWER THE QUESTION '	WHAT ARE THE ESSENTIAL DIMENSIONS	VELDDJ- -CPT
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SIS (STEPWISE CONDENSA+	XRAP25 EXPERIMENTAL REGRESSION ANALY	HAMBRL- -XER
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ISTOGRAMS.=	XTAB12--PAIRED ONE-WAY TABLES WITH H	MASSFJ- -XPO
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TO COMPUTE FREQUENCIE+	XTAB22--TWO-WAY TABLES II--A PROGRAM	MASSFJ-01-XTW
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	XTAB42, PLOTTING PROGRAM II.=	MASSFJ-01-XPP
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OR DISCRETE, BISTABLE ( YES OR NO) DATA.=   + COEFFICIENTS F  STERT -01-MPT
  REGSCOR--A PROGRAM TO YIELD PREDICTED CRITERION SCORES.=     VELDDJ-  -RPY
NE THAT COMPUTES CORR + Z CCOR A ZERO CELL CORRELATION ROUTI  SAKOJM-  -ZCZ
     KSL 2.50--FISHER'S Z TRANSFORMATION PROGRAM TO TEST THE  DICKKW-  -KFS
CMPUTES CORR + Z CCOR A ZERO CELL CORRELATION ROUTINE THAT C  SAKOJM-  -ZCZ
.=                      ZO BSC AC PEDIATRIC CORRELATION PH 1  MEIEP -  -ZBA
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ADEY WR	ADEYWR- -APD
ANDERSON BL	ANDEBL- -CLS
	ANDEBL- -EEC
BAILEY KK	BAILKK- -RA
BAKER FB	BAKEFB- -AED
	BAKEFB- -PSP
BAKER FD	BAKEFD- -PTS
BALINTFY JL	BALIJL- -MPC
BALL WE	BALLWE- -NLR
BECK P	BECKP - -HGH
BECKER SL	BECKSL- -PKS
BEJARANO GG	BEJAGG- -NLR
BENDIG AW	BENDAW- -ACC
	BENDAW- -IAP
	BENDAW- -OFS
	BENDAW- -PNV
	BENDAW- -PPA
	BENDAW- -RRP
	BENDAW- -SDS
	BENDAW- -TTP
	BENDAW-01-IAP
	BENDAW-02-IAP
BLACK CR	BLACCR- -ACA
BONATO RR	BONARR- -GCC
BRAUNSTEIN ML	BRAUML- -SDA
BRIDGER DA	BRIDDA- -EDD
	BRIDDA- -SSA
BRUNKE RE	BRUNRE- -GUC
CABOT RA	CABORA- -PST
CAMPBELL DP	CAMPDP- -PMC
CARLOS JP	CARLJP- -BPP
	CARLJP- -IDP
	CARLJP- -P
	CARLJP- -PPA
	CARLJP- -RPE
	CARLJP- -TIS
	CARLJP- -VLT
CASE INSTITUTE	OF
	CASEIN- -SER
CASTELLAN	CAST - -BPB
CATTELL RB	CATTRB- -RPM
CHARAP M	CHARM - -PTC
CHRISTOPHER A	CHRIA - -HPH
CISLAK PJ	CISLPJ- -LSF

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CLASEN RJ	CLASRJ- -LLP
CLEMENTS WC	CLEMWC- -CFR
	CLEMWC-01-CFR
COOPER I	DANTGB- -MMH
CRAMER BN	CRAMEN- -GCP
DAMMKOEHLER RA	DAMMRA- -NPS
DANTZIG GB	DANTGB- -MMH
DAS RS	DAS RS- -PCS
	DAS RS- -UPP
DAYHOFF MO	DAYHMO- -CCP
DEHAVEN JC	DANTGB- -MMH
DEPT HEALTH EDUCAT	
	DEPTHE- -EHN
	DEPTHE- -EHP
	DEPTHE- -EHT
	DEPTHE- -ENN
	DEPTHE- -FHN
	DEPTHE- -FNN
	DEPTHE- -GHC
	DEPTHE- -GNN
	DEPTHE- -HNN
	DEPTHE-01-EHN
	DEPTHE-01-EHT
	DEPTHE-01-ENN
	DEPTHE-01-FHN
	DEPTHE-01-GNN
	DEPTHE-02-EHN
	DEPTHE-02-FHN
	DEPTHE-02-FNN
	DEPTHE-02-GNN
	DEPTHE-03-FHN
	DEPTHE-03-FNN
	DEPTHE-03-GNN
	DEPTHE- -GHA
	DEPTHE- -FHS
	DEPTHE-04-FNN
	DEPTHE-05-FNN
	DEPTHE-05-GNN
	DEPTHE-06-FNN
	DEPTHE-06-GNN
	DEPTHE-07-FNN
	DEPTHE-07-GNN
	DEPTHE-08-FNN
	DEPTHE-09-GNN
	DEPTHE-08-GNN
	DEPTHE-09-FNN
	DEPTHE-10-GNN
	DEPTHE-11-FNN
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	DEPTHE-14-GNN
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	DEPTHE-25-GNN
	DEPTHE-26-GNN
	DEPTHE-27-GNN
	DEPTHE-28-GNN
	DEPTHE-29-GNN
	DEPTHE-20-GNN
	DEPTHE-18-GNN
	DEPTHE-04-GNN
	DEPTHE-12-FNN
DICKINSON AW	DICKAW- -PGA
DICKMAN KW	DICKKW- -KAP
	DICKKW- -KAS
	DICKKW- -KCS
	DICKKW- -KDC
	DICKKW- -KDS
	DICKKW- -KFD
	DICKKW- -KHO
	DICKKW- -KKA
	DICKKW- -KKC
	DICKKW- -KKL
	DICKKW- -KKM
	DICKKW- -KKP
	DICKKW- -KLI
	DICKKW- -KRA
	DICKKW- -KML
	DICKKW- -KPT
	DICKKW-01-KCS
	DICKKW-01-KPT
	DICKKW-02-KCS
	DICKKW-01-KAP
	DICKKW- -KFS
DIECKMANN WL	DIECWL- -PPE
DIXON WJ	DIXOWJ- -BBA
	DIXOWJ- -BDC
	DIXOWJ- -BDD
	DIXOWJ- -BDG
	DIXOWJ- -BDS
	DIXOWJ- -BMC
	DIXOWJ- -BMG
	DIXOWJ- -BMR
	DIXOWJ- -BRA
	DIXOWJ- -BRM
	DIXOWJ- -BRP
	DIXOWJ- -BRS
	DIXOWJ- -BSC
	DIXOWJ- -BSG
	DIXOWJ- -BSL

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	DIXOWJ- -BTA
	DIXOWJ- -BMP
	DIXOWJ- -BMD
	DIXOWJ- -BVA
	DIXOWJ- -BVG
	DIXOWJ- -BVM
	DIXOWJ-01-BDC
	DIXOWJ-01-BDD
	DIXOWJ-01-BMD
	DIXOWJ-01-BRP
	DIXOWJ-01-BSG
	DIXOWJ-01-BTA
	DIXOWJ-01-BVA
	DIXOWJ-01-BVG
	DIXOWJ-02-BDC
	DIXOWJ-02-BDD
	DIXOWJ-02-BSG
	DIXOWJ-03-BDD
	DIXOWJ-02-BVA
	DIXOWJ-03-BDC
	DIXOWJ-04-BSG
	DIXOWJ-03-BSG
	DIXOWJ-01-BRS
EIMER RA	EIMERA- -CF
EISEN H	EISEH - -FTA
FINK M	FINKM - -PSD
FLAKE R	FLAKR - -NT
FUSTER MJ	CATTRB- -RPM
FRANCIS	FRAN - -TCA
	FRAN - -TCC
	FRAN - -TOF
	FRAN - -TPC
	FRAN - -TPK
	FRAN -01-TPC
	FRAN - -TPP
FRANZ DR	FRANDR- -MSR
GALLER AB	GALLAB- -CSP
GILLIS PA	GILLPA- -PFE
GULLIKSEN H	GULLH - -BPP
HAGENSICK PW	HAGEPW- -PSP
HAMBLIN RL	HAMBRL- -XER
HARTFORD D	HARTD - -PIF
HARTFORD DL	HARTDL- -PAV
HESS HF	HESSHF- -PER
HOBBY C	HOBBC - -ISP
HOFFMAN EP	HOFFEP- -PCA
HOFFMAN PJ	HOFFPJ- -PCA
HOFLER JJ	HOFLJJ- -APD
HOLLOWAY C	HOLLC - -PFS
HOPKINS CG	HOPKCG- -VMS
IKER HP	IKERHP- -IAU
	IKERHP-01-IAU
IKER PH	IKERPH- -TCP
JENNINGS E	JENNE - -PIM

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KING FJ	KINGFJ-	-PFE
	KINGFJ-	-PTA
KIRKPATRICK	KIRK -	-SSA
KRONE LH	KRONLH-	-GC
LADD CE	LADDCE-	-CPC
LANGE S	LANGS -	-BVA
LEDLEY RS	DAYHMO-	-CCP
LEVONIAN E	LEVOE -	-SRP
LINGOES JC	LINGJC-	-PCR
	LINGJC-	-MSA
	LINGJC-	-PSA
	LINGJC-	-PMP
	LINGJC-	-PSR
	LINGJC-	-SDA
	LINGJC-	-TOP
	LINGJC-,	-MSA
MARTING CH	MARTCH-	-SMR
MASSEY FJ	MASSFJ-	-XCC
	MASSFJ-	-XHL
	MASSFJ-	-XLP
	MASSFJ-	-XOW
	MASSFJ-	-XPP
	MASSFJ-	-XPO
	MASSFJ-	-XST
	MASSFJ-	-XTW
	MASSFJ-01	-XCC
	MASSFJ-01	-XPP
	MASSFJ-01	-XST
	MASSFJ-01	-XTW
MCKINNEY J	MCKIJ -	-PIA
MCKINNEY RE	MCKIRE-	-AV
	MCKIRE-	-GLH
MCMAHAN CA	MCMACA-	-BST
	MCMACA-	-CP
	MCMACA-	-CSM
	MCMACA-	-CSY
	MCMACA-	-LR
	MCMACA-	-LSP
	MCMACA-	-PO
	MCMACA-	-SVC
	MCMACA-	-THC
	MCMACA-	-TLR
	MCMACA-	-TVC
	MCMACA-01	-TVC
MED COLLEGE OF VIR		
	MED CO-	-PSA
MEDICAL COLLEGE OF		
	MEDICO-	-AV
	MEDICO-	-DEC
	MEDICO-	-ECF
	MEDICO-	-GMR
	MEDICO-	-NOF
	MEDICO-	-MRA
	MEDICO-	-SLF

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	MEDICO- -PAC
MEIER P	MEIEP - -EUB
	MEIEP - -EUF
	MEIEP - -FHF
	MEIEP - -FUF
	MEIEP - -FUM
	MEIEP - -GHF
	MEIEP - -GUB
	MEIEP - -GUD
	MEIEP - -GUF
	MEIEP - -GUP
	MEIEP - -GUM
	MEIEP - -ZBA
	MEIEP -01-EUB
	MEIEP -01-EUF
	MEIEP -01-FHF
	MEIEP -01-GHF
	MEIEP -01-GUF
	MEIEP -01-GUM
	MEIEP -02-FHF
	MEIEP -02-GHF
	MEIEP -02-GUF
	MEIEP -02-GUM
	MEIEP -03-FHF
	MEIEP -03-GHF
	MEIEP -03-GUF
	MEIEP -03-GUM
	MEIEP -04-GHF
	MEIEP -04-GUF
	MEIEP -04-GUM
	MEIEP -05-GHF
	MEIEP -05-GUF
	MEIEP -05-GUM
	MEIEP -06-GHF
	MEIEP -06-GUF
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	MEIEP -07-GUF
	MEIEP -08-GHF
	MEIEP -07-GUM
	MEIEP -08-GUM
	MEIEP -08-GUF
	MEIEP -09-GUF
	MEIEP -09-GUM
	MEIEP -10-GUM
	MEIEP -11-GUA
	MEIEP -11-GUM
	MEIEP -12-GUM
	MEIEP -13-GUF
	MEIEP -13-GUM
	MEIEP -14-GUF
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	MEIEP -14-GUM
	MEIEP -16-GUF

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	MEIEP -17-GUF
	MEIEP -18-GUF
	MEIEP -19-GUF
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	MEIEP -21-GUF
	MEIEP -22-GUF
	MEIEP -23-GUF
	MEIEP -24-GUF
	MEIEP -25-GUF
	MEIEP -26-GUF
	MEIEP -27-GUF
	MEIEP -28-GUF
	MEIEP -29-GUF
MERRITT HH	MERRHH- -CTP
MILLER C	MILLC - -FSP
MILLER GR	MILLCR- -PFT
	MILLCR- -PP
NICHOLS RC	NICHRC- -RRI
NICHOLSON HC	NICHHC- -CFP
	NICHHC- -IPW
	NICHHC- -LRC
	NICHHC- -MCP
	NICHHC- -PP
	NICHHC-10-TTH
NICKLES MR	NICKMR- -POR
NUGENT CA	NUGECA- -EGU
	NUGECA- -ODC
	NUGECA- -IDM
OGBORN RE	OGBORE- -ABA
	OGBORE- -BSP
	OGBORE- -CCP
	OGBORE- -CP
	OGBORE- -DPC
	OGBORE- -ECR
	OGBORE- -EEA
	OGBORE- -ELR
	OGBORE- -EP
	OGBORE- -FMC
	OGBORE- -HEP
	OGBORE- -FMM
	OGBORE- -IA
	OGBORE- -IRT
	OGBORE- -LRA
	OGBORE- -LSF
	OGBORE- -MCM
	OGBORE- -MDS
	OGBORE- -NTG
	OGBORE- -P
	OGBORE- -PAP
	OGBORE- -PMS
	OGBORE- -POF
	OGBORE- -PTP
	OGBORE- -RCI
	OGBORE- -RCV

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	OGBORE- -RIC
	OGBORE- -SAP
	OGBORE- -SAV
	OGBORE- -SLL
	OGBORE-01-MDS
	OGBORE- -SRM
	OGBORE- -SSA
	OGBORE- -SSR
	OGBORE- -TST
	OGBORE- -TTF
	OGBORE- -VAU
	OGBORE-01-PAP
OVERALL JE	OVERJE- -BCP
	OVERJE- -ACC
	OVERJE- -EDF
	OVERJE- -FAC
	OVERJE- -FAQ
	OVERJE- -GLC
	OVERJE- -IDF
	OVERJE- -LSL
	OVERJE- -MCA
	OVERJE- -MFI
	OVERJE- -MRP
	OVERJE- -NVP
	OVERJE- -NVR
	OVERJE- -OWA
	OVERJE- -OPT
	OVERJE- -PAF
	OVERJE- -PCC
	OVERJE- -PMC
	OVERJE- -PVF
	OVERJE- -SDA
	OVERJE- -SOW
	OVERJE- -SRM
	OVERJE- -STT
	OVERJE- -TCA
	OVERJE- -TWA
	OVERJE-01-TWA
	OVERJE-02-TWA
PARNELL BL	PARNBL- -ASR
	PARNBL- -MR
	PARNBL- -TFA
PATTERSON AL	PATTAL- -INA
	PATTAL- -IND
	PATTAL- -INF
	PATTAL- -INW
	PATTAL- -INI
	PATTAL- -INL
	PATTAL- -INM
	PATTAL- -INP
	PATTAL- -INS
	PATTAL- -INT
	PATTAL-01-INL
	PATTAL-01-INS

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PETERSON TI	PETETI-	-NLE
PIPBERGER HV	PIPBHV-	-UCI
POWERS WE	POWEWE-	-RDI
PR LIB--MONROBOT X		
	PR LLI-	-AVC
	PR LLI-	-CST
	PR LLI-	-LSA
	PR LLI-	-RCA
	PR LLI-	-SST
PULLEY G	PULLG -	-PHA
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	RCA EL-	-EA
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	ROSEG -	-MGD
	ROSEG -	-FAR
	ROSEG -	-SFA
	ROSEG -	-SRR
	ROSEG -	-VST
ROSENFELD MA	ROSEMA-	-FFC
SAKODA JM	SAKOJM-	-AWA
	SAKOJM-	-CFC
	SAKOJM-	-CPC
	SAKOJM-	-GGC
	SAKOJM-	-MMC
	SAKOJM-	-TTS
	SAKOJM-	-XGC
	SAKOJM-	-ZCZ
SAUNDERS DR	SAUNDR-	-PFB
SCHAIE KW	SCHAKW-	-UUM
	SCHAKW-	-UUU
SCHROLLER ND	SCHRND-	-PTS
SHAPIRO	SHAP -	-EPA
SHAPIRO DM	SHAPDM-	-EPA
SHUMATE KE	SHUMKE-	-CCP
	SHUMKE-	-EMR
SMITH WN	SMITWN-	-PCM
	SMITWN-	-PDO
STEIDLER FE	STEIFE-	-PCF
	STEIFE-	-CA
	STEIFE-	-MRA
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	U OFOF- -GUF
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	U OFOF- -ACP
UHR L	UHR L - -GIP
VANDENBERG SG	VANDSG- -CPC
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VANDERPLAS JM	VANDJM- -CPO
VELDMAN DJ	VELDDJ- -A
	VELDDJ- -APD
	VELDDJ- -API
	VELDDJ- -C
	VELDDJ- -CPG
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	VELDDJ- -CPT
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WALKER JR	WALKJR- -PSC
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WELFORD NT	BLACCR- -ACA
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BENDAW- -TTP BENDIG AW
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BLACCR- -ACA BLACK CR WELFORD NT
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BONARR- -GCC BONATO RR WAXMAN BD
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BRAUML- -SDA BRAUNSTEIN ML
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(5) IBM 704 FORTRAN II (6) PHOTODUPLICATION SVCE LC WASH DC DOC 6720

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(3B) 640 OR 320 POINTS/SEC CONVERTS ONE CHANNEL PER RUN (5) IBM 1710/1311, 1711 MODEL II 1794 MULTIPLEXER AND TERMINAL, AMPEX FR 1300 ANALOG TAPE UNIT. MONITOR I ON 1620 FORTRAN WITH SPS SUBROUTINES

BRIDDA- -SSA BRIDGER DA
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BRUNRE- -GUC BRUNKE RE
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR CHICAGO ILL
G1-UCM CHI-SQUARE PROGRAM.=
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U OF MICHIGAN
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HEALTH RESEARCH INC ALBANY DIV 84 HOLLAND AVE ALBANY NY--(PR LIB) ALBANY MEDICAL COLLEGE COMPUTER CTR
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CARLJP- -P CARLOS JP
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CARLJP- -PPA CARLOS JP
HEALTH RESEARCH INC ALBANY NY--(PR LIB) ALBANY MED COLLEGE COMPUTER CTR
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CARLJP- -RPE CARLOS JP
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CARLJP- -TIS CARLOS JP

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ALBANY NY--(PR LIB) ALBANY MEDICAL COMPUTER CTR
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CARLJP- -VLT CARLOS JP
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CHARM - -PTC CHARAP M
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CHRIA - -HPH CHRISTOPHER A
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CLASRJ- -LLP CLASEN RJ
RAND CORP SANTA MONICA CAL
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CLEMWC- -CFR CLEMENTS WC
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CLEMWC-01-CFR CLEMENTS WC
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CRAMEN- -GCP CRAMER EN
BIOMETRICS BRANCH NIH
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(3A) CORRELATION (3B) UP TO 10,000 POINTS (5) IBM 650, 3TAPES, INDEX REGISTERS

DAMMRA- -NPS DAMMKOEHLER RA
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DANTGB- -MMH DANTZIG GB DEHAVEN JC COOPER I
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DAYHMD- -CCP DAYHOFF MD LEDLEY RS
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DEPTHE- -EHN DEPT HEALTH EDUCATION WELFARE PHS BETHESDA MD--(PR LIB) NIH AND H-800 USERS LIBRARIES
E1-HADM--NBINTR--TABLE LOOKUP AND LINEAR INTERPOLATION ROUTINE.=
(5) H-800, 4K

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(3A) AGREEMENT ANALYSIS (4) PSYCHOLOGY, ANALYSIS OF PATTERNS OF BEHAVIOR (5) ILLIAC (6) BEHAVIORAL SCIENCE VOL 4 JULY 1959

DICKKW-01-KAP DICKMAN KW
U OF ILL CHICAGO ILL--(PR LIB) STATISTICAL LIBRARY OF THE ILLIAC
KSL 2.94--AGREEMENT PATTERNS, FORM H, THIS PROGRAM FINDS THE HIGHEST AGREEMENT SCORE AMONG ALL THE PERSONS OF A POPULATION.=
(3A) AGREEMENT ANALYSIS (4) PSYCHOLOGY, ANALYSIS OF PATTERNS OF BEHAVIOR (5) ILLIAC (6) BEHAVIORAL SCIENCE VOL 4 JULY 1950 01

DICKKW-01-KCS DICKMAN KW
U OF ILL CHICAGO ILL--(PR LIB) STATISTICAL LIBRARY OF THE ILLIAC
KSL 4,20-CONSTRUCT SAMPLES FROM A NORMAL DISTRIBUTION WITH SPECIFIED MEANS, COVARIANCES AND SERIAL TREND.=
(5) ILLIAC (6) BEHAVIORAL SCIENCE VOL 4 JULY 59 P 252-254 01

DICKKW-01-KPT DICKMAN KW
U OF ILL CHICAGO ILL--(PR LIB) STATISTICAL LIBRARY OF THE ILLIAC
KSL 4.05-A PROGRAM THAT WILL READ A GROUP OF SETS OF NUMBERS AND EXTRACT THE LARGEST POSITIVE AND SMALLEST NEGATIVE VALUES.=
(3B) NUMBER WITHIN A SET UP TO 700 (5) ILLIAC (6) BEHAVIORAL SCIENCE VOL 4 JULY 59 P 252-254 01

DICKKW-02-KCS DICKMAN KW
U OF ILL CHICAGO ILL--(PR LIB) STATISTICAL LIBRARY OF THE ILLIAC
KSL 2.60--CHI-SQUARE FOR DICHOTOMOUS DATA.=
(3A) TEST OF HYPOTHESES (5) ILLIAC (6) BEHAVIORAL SCIENCE VOL 4 JULY 1959 P 251-254 02

DIECWL- -PPE DIECKMANN WL
RESEARCH CORP CAL MATHEMATICAL SERVICES GROUP RICHMOND CAL
A PROGRAM FOR POLYNOMIAL EQUATION FITTING.=
(3A) REGRESSION (3B) UP TO 19TH DEGREE EQ (5) DATATRON 205 4K, CARD I/O, FLOATING POINT DATATRON 205 MACHINE LANGUAGE (6) AMERICAN INST OF CHEM ENGRS 25 W 45 ST NYC

DIXOWJ- -BBA DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD035, BIOLOGICAL ASSAY-PROBIT ANALYSIS.=
(3A) MAXIMUM LIKELIHOOD ANALYSIS (3B) UP TO 1000 DOSES OUTPUT INCLUDES SAMPLE PROBIT AND PROBABILITY, COVARIANCE MATRICES, CHI-SQUARE STATISTIC (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BDC DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD02D (CORRELATION WITH TRANSGENERATION)--A PROGRAM TO COMPUTE SIMPLE CORRELATION COEFFICIENTS, AVERAGES AND MEASURES OF DISPERSION.=

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(3B) UP TO 150 VARIABLES, UP TO 99,999 CASES, UP TO 99 PLOTS BOOLEAN EXPRESSIONS SELECT INPUT DATA (5) 7094 FORTRAN (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BDD DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD10D, DATA PATTERNS FOR DICHOTOMIES--A PROGRAM TO FIND FREQUENCIES AND PATTERNS OF ANY ONE PARTICULAR SPECIFIED CODE IN INPUT DATA.=
(3B) UP TO 30 VARIABLES, UP TO 700 CASES (5) 7094 FORTRAN II (6) BMD BIOMED COMP PROGRAMS, UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BDG DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD05D, GENERAL PLOT INCLUDING HISTOGRAM.=
(3B) ONE PAGE HISTOGRAM WITH A MAX OF 34 INTERVALS, UP TO 500 VARIABLES, UP TO 20,000 CASES (5) 7094 FORTRAN II (6) BMD BIOMED COMP PROGRAMS, UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BDS DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD01D, SIMPLE DATA DESCRIPTION PROGRAM TO COMPUTE SIMPLE AVERAGES AND MEASURES OF DISPERSION OF VARIABLES.=
(3B) UP TO 999 VARIABLES, UP TO 99,999 CASES (5) 7094 FORTRAN II (6) BMD BIOMED COMP PROGRAMS, UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BMC DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD06M, CANONICAL ANALYSIS--A PROGRAM THAT COMPUTES THE CANONICAL CORRELATIONS BETWEEN TWO SETS OF VARIABLES.=
(3A) CANONICAL ANALYSIS (3B) UP TO 100 ENTERING VARIABLES. UP TO 9999 CASES. UP TO 35 VARIABLES OF THE FIRST SET. UP TO 35 VARIABLES OF THE SECOND SET. OUTPUT INCLUDES SIMPLE CORRELATION MATRIX STANDARD DEVIATIONS CANONICAL CORRELATIONS (4) BEHAVIORAL SCIENCES CORRELATION BETWEEN CRITERIA AND PREDICTOR MEASURES (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BMD DIXON WJ
U OF CAL SCHOOL OF MEDICINE LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD04M, DISCRIMINANT ANALYSIS FOR TWO GROUPS, A PROGRAM THAT COMPUTES A LINEAR FUNCTION OF P VARIABLES MEASURED ON EACH INDIVIDUAL OF TWO GROUPS-THE FUNCTION IS THEN USED AS AN INDEX FOR DISCRIMINATION BETWEEN THE GROUPS.=
(3A) DISCRIMINANT ANALYSIS (3B) SAMPLE SIZE IN THE ANY GROUP UP TO 300 NO OF VARIABLES UP TO 25-OUTPUT INCLUDES MEANS, DISCRIMINANT FUNCTION COEFFICIENTS, ETC (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

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DIXOWJ- -BMG DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD03M, GENERAL FACTOR ANALYSIS, A PROGRAM THAT PERFORMS A PRINCIPAL COMPONENT SOLUTION AND AN ORTHOGONAL ROTATION.=
(3A) FACTOR ANALYSIS (3B) UP TO 80 VARIABLES (P), UP TO 9999 CASES, UP TO P FACTORS TO BE ROTATED--OUTPUT INCLUDES FACTOR MATRIX, FACTOR CHECK MATRIX, MEANS, CORRELATION MATRIX (4) PSYCHOLOGY (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BMP DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD01M, PRINCIPAL COMPONENT ANALYSIS, PROGRAM THAT COMPUTES PRINCIPAL COMPONENTS OF STANDARDIZED DATA AND RANK ORDERS EACH STANDARDIZED CASE BY THE SIZE OF EACH PRINCIPAL COMPONENT SEPARATELY.=
(3A) FACTOR ANALYSIS (3B) UP TO 25 VARIABLES, UP TO 400 CASES (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BMR DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD02M, REGRESSION ON PRINCIPAL COMPONENTS, A PROGRAM TO COMPUTE THE PRINCIPAL COMPONENTS OF STANDARDIZED DATA AND RANK ORDERS EACH CASE BY THE SIZE OF EACH PRINCIPAL COMPONENT.=
(3A) FACTOR ANALYSIS (3B) UP TO 25 INDEPENDENT VARIABLES, UP TO 20 DEPENDENT VARIABLES, OUTPUT INCLUDES CORRELATION COEFF, EIGENVALUES, EIGENVECTORS, REGRESSION COEFF ETC (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BRA DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD06R, ASYMPTOTIC REGRESSION (LOGISTIC, GOMPERTZ, ETC).=
(3A) REGRESSION ANALYSIS (3B) UP TO 5000 CASES, 2 INDEP VARIABLES, OUTPUT INCLUDES ANALYSIS OR VARIANCE OF REGRESSIONS, PLOTS (5) 7094 FORTRAN II (6) BMD BIOMEDICAL COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BRM DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD03R, MULTIPLE REGRESSION WITH CASE COMBINATIONS, A PROGRAM THAT PERFORMS MULTIPLE REGRESSION AND CORRELATION ANALYSIS ON THE DATA WITHIN SUBSAMPLES OF POPULATION.=
(3A) REGRESSION ANALYSIS (3B) UP TO 99,999 CASES UP TO 50 VARIABLES, UP TO 28 SUBSAMPLES, OUTPUT INCLUDES MEANS, STD DEVIATIONS, COVARIANCE AND CORRELATION MATRIX, PARTIAL CORRELATIONS, ANALYSIS OF VARIANCE OF REGRESSIONS (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

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DIXOWJ- -BRP DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD04R, PERIODIC REGRESSION AND HARMONIC ANALYSIS, A PROGRAM THAT FITS BY LEAST SQUARES A TRIGONOMETRIC SERIES UP TO THE NINTH HARMONIC.=
(3A) REGRESSION ANALYSIS (3B) UP TO 9 HARMONICS. UP TO 19 REPLICATIONS. UP TO 99 COVARIATE DATA SETS OUTPUT INCLUDES MEANS, ANALYSIS OF VARIANCE OF REGRESSIONS, RESIDUALS, PLOTS (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS-UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BRS DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD01R, SIMPLE LINEAR REGRESSION, A PROGRAM THAT PROVIDES A RELATIONSHIP BETWEEN A DEPENDENT VARIABLE AND ONE OR MORE INDEPENDENT VARIABLES.=
(3A) REGRESSION ANALYSIS (3B) 2 ORIGINAL VARIABLES, UP TO 999 CASES PER GROUP. OUTPUT INCLUDES DEVIATIONS ABOUT REGRESSION, REGRESSION COEFFICIENTS, F RATIOS COVARIANCE MATRIX, ANALYSIS OF VARIANCE OF REGRESSION (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS-UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BSC DIXON WJ
U OF CALIFORNIA SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD02S, CONTINGENCY TABLE ANALYSIS, PROGRAM TO COMPUTE TWO-WAY FREQUENCY AND PERCENTAGE TABLES, CHI-SQUARES, CONTINGENCY COEFFICIENTS AND MAX LIKELIHOOD RATIOS.=
(3B) UP TO 22 INTERVALS PER CATEGORIZATION, UP TO 700 DIFFERENT CATEGORIZATION, MAX FREQ PER CELL IN TABLES 9999 (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BSG DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD04S, GUTTMAN SCALE PREPROCESSOR A PROGRAM THAT PERFORMS THE INITIAL STEPS OF BMD06S AND BMD07S.=
(3B) UP TO 25 VARIABLES (4) STUDY OF ATTITUDES OPINIONS SYMPTOMS (5) 7094 FORTRAN II (6) BMD BIOMED COMP PROGRAMS REQUEST REPORT FROM UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BSL DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD01S, LIFE TABLE AND SURVIVAL RATE PROGRAM.=
(3B) UP TO 51 TIME PERIODS, UP TO 9999 CASES, OUTPUT INCLUDES TABLES AND PLOTS (5) 7094 FORTRAN II (6) BMD BIOMED COMP PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BTA DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD01T AMPLITUDE AND PHASE ANALYSIS.=
(3B) UP TO 5000 POINTS IN SERIES (4) EEG ANALYSIS (5) 7094

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FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BVA DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD03V, ANALYSIS OF COVARIANCE FOR FACTORIAL DESIGN.=
(3A) ANALYSIS OF COVARIANCE (3B) UP TO 6 CLASSIFICATIONS UP TO 8 COVARIATES UP TO 999 REPLICATES-OUTPUT INCLUDES COVARIANCE MATRIX, REGRESSION COEFF, T-VALUES, F-STATISTIC, RESIDUAL MEAN SQUARE (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BVG DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD05V GENERAL LINEAR HYPOTHESIS.=
(3A) GENERAL LINEAR HYPOTHESIS (3B) UP TO 60 VARIABLES UP TO 60 COVARIATES OUTPUT INCLUDES MEANS STD DEV ESTIMATES OF REGRESSION COEFF F-TESTS AND DEGREES OF FREEDOM (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ- -BVM DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD07V, MULTIPLE RANGE TESTS--A PROGRAM TO COMPUTE AN ANALYSIS OF VARIANCE TABLE, FOR ONE VARIABLE OF CLASSIFICATION, WITH UNEQUAL GROUP SIZES.=
(3B) UP TO 100 GROUPS, UP TO 20,000 CASES (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ-01-BDC DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD03D (CORRELATION WITH ITEM DELETION) A PROGRAM TO COMPUTE A SIMPLE CORRELATION MATRIX, OMITTING UNDESIRED VARIABLES.=
(3B) UP TO 90 VARIABLES UP TO 99,999 CASES INPUT 01
TRANSFORMATION PRIOR TO COMPUTING (5) 7094 FORTRAN II (6) BMD BIOMEDICAL COMP PROGRAMS UCLA STORE LOS ANGELES CAL

DIXOWJ-01-BDD DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD11D, DATA PATTERNS FOR POLYCHOTOMIES, A PROGRAM THAT PRINTS PATTERNS OF ONE-COLUMN DATA AND ITEM NUMBERS OR CASE NUMBERS TO IDENTIFY CASES HAVING THESE DATA PATTERNS.=
(3B) UP TO 25 VARIABLES, UP TO 700 CASES (5) 7094 01
FORTRAN II (6) BMD BIOMED COMP PROGRAMS, UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ-01-BMD DIXON WJ
U OF CAL SCHOOL OF MEDICINE LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD05M, DISCRIMINANT ANALYSIS FOR SEVERAL GROUPS A PROGRAM

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TO COMPUTE A SET OF LINEAR FUNCTIONS FOR THE PURPOSE OF CLASSIFYING AN INDIVIDUAL INTO ONE OF SEVERAL GROUPS.=
(3A) DISCRIMINANT ANALYSIS (3B) UP TO 5 GROUPS-UP TO 25 VARIABLES-NO OF CASES IN ANY ONE GROUP UP TO 150-OUTPUT INCLUDES MEAN SCORES DISPERSION MATRIX, D-SQUARE STATISTIC CLASSIFICATION (5) 7094 FORTRAN II (6) BMD BIOMED PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL 01

DIXOWJ-01-BRP DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD05R, POLYNOMIAL REGRESSION.=
(3A) REGRESSION ANALYSIS (3B) UP TO 500 CASES, UP TO 10 DEGREE POLYNOMIAL TRANSFORMATION OF INPUT. OUTPUT INCLUDES MEANS, CORRELATION MATRIX, ANALYSIS OF VARIANCE OF REGRESSION, RESIDUALS, PLOTS (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL 01

DIXOWJ-01-BRS DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD02R, STEPWISE REGRESSION, A PROGRAM TO COMPUTE A SEQUENCE OF MULTIPLE LINEAR REGRESSION EQUATIONS IN A STEPWISE MANNER.=
(3A) REGRESSION ANALYSIS (3B) UP TO 80 ORIGINAL VARIABLES. UP TO 9999 CASES. OUTPUT INCLUDES MEANS, STD. DEVIATIONS, COVARIANCE MATRIX, CORRELATION MATRIX, ANALYSIS OF VARIANCE OF REGRESSIONS, PARTIAL CORRELATIONS, RESIDUALS, ETC (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL 01

DIXOWJ-01-BSG DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD05S GUTTMAN SCALE NO 1 A PROGRAM THAT ASSIGNS PROPER WEIGHT TO GIVEN DATA ON VARIABLES RANKS THE CASES AND ASSIGNS A GUTTMAN SCALE SCORE FOR EACH CASE.=
(3B) UP TO 25 VARIABLES (4) STUDY OF ATTITUDES OPINIONS SYMPTOMS (5) 7094 FORTRAN II (6) BMD-BIOMED COMPUTER PROGRAMS REQUEST REPORT FROM UCLA STUDENT STORE LOS ANGELES CAL 01

DIXOWJ-01-BTA DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD02T AUTOCOVARIANCE AND POWER SPECTRAL ANALYSIS.=
(3B) NO OF SERIES UP TO 20. NO OF DISCRETE POINTS PER SERIES UP TO 1000. OUTPUT INCLUDES AUTOCOVARIANCE POWER SPECTRUM CROSSCOVARIANCE CROSSSPECTRUM TRANSFER FUNCTION COHERENCE FUNCTION (4) EEG ANALYSIS (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL 01

DIXOWJ-01-BVA DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD04V, ANALYSIS OF COVARIANCE WITH MULTIPLE COVARIATES.=

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(3A) ANALYSIS OF COVARIANCE (3B) UP TO 36 VARIABLES 01
UP TO 35 COVARIATES UP TO 99,999 CASES-OUTPUT INCLUDES MEANS, ANALYSIS OF COVARIANCE TABLE, REGRESSION COEFF (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ-01-BVG DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD06V GENERAL LINEAR HYPOTHESIS WITH CONTRASTS.=
(3A) GENERAL LINEAR HYPOTHESIS (3B) UP TO 60 VARIABLES UP 01
TO 60 COVARIATES OUTPUT INCLUDES CELL MEANS TABLE OF RESIDUALS REGRESSION COEFF STD ERR OF ESTIMATE (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ-02-BDC DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD09D, CROSS TABULATION, INCOMPLETE DATA--A PROGRAM TO PERFORM CROSS TABULATIONS OF INPUT DATA EXCLUDING SPECIFIED SPECIAL VALUES.=
(3B) UP TO 2000 CASES, UP TO 100 VARIABLES (5) 7094 02
FORTRAN II (6) BMD BIOMED COMP PROGRAMS, UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ-02-BDD DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD07D, DESCRIPTION OF STRATA WITH HISTOGRAMS--A PROGRAM TO GROUP DATA INTO SPECIFIED NUMBER OF GROUPS BASED ON THE ORDER OF ENTRY OF THE DATA.=
(3B) UP TO 100 VARIABLES, HISTOGRAMS, CORRELATIONS, 02
UP TO 9999 OBSERVATIONS, UP TO 10 GROUPS, UP TO 30 CLASSES (5) 7094 FORTRAN II (6) BMD BIOMED COMP PROGRAMS, UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ-02-BSG DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD06S GUTTMAN SCALE NO 2 PART 1 A PROGRAM THAT PERFORMS THE INITIAL STEPS FOR GUTTMAN SCALE NO 2.=
(3B) UP TO 25 VARIABLES UP TO 7 RESPONSES PER VARIABLE 02
(4) STUDY OF ATTITUDES OPINIONS SYMPTOMS (5) 7094 FORTRAN II (6) BMD-BIOMED COMPUTER PROGRAMS REQUEST REPORT FROM UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ-02-BVA DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD02V, ANALYSIS OF VARIANCE FOR FACTORIAL DESIGN.=
(3A) ANALYSIS OF VARIANCE (3B) UP TO 8 VARIABLES, UP TO 02
999 REPLICATES, TRANSFORMATION OF INPUT DATA, OUTPUT INCLUDES ANALYSIS OF VARIANCE TABLE, CELL AND MARGINAL MEANS (5) 7094 FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS UCLA STUDENT STORE LOS ANGELES CAL

DIXOWJ-03-BDC DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY

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BMD08D, CROSS TABULATION WITH VARIABLE STACKING--A PROGRAM TO COMPUTE TWO-WAY FREQUENCY TABLES OF DATA INPUT.=
(3A) DESCRIPTIVE STATISTICS (3B) UP TO 100 VARIABLES, UP TO 1500 CASES (5) 7094 FORTRAN II (6) BMD BIOMED COMP PROGRAMS, UCLA STUDENT STORE LOS ANGELES CAL 03

DIXOWJ-03-BDD DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL--(PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD06D, DESCRIPTION OF STRATA--A PROGRAM TO SEPARATE CASES INTO SPECIFIED INTERVALS OF ONE VARIABLE AND COMPUTE SIMPLE STATISTICAL MEASURES ON THESE INTERVALS.=
(3B) UP TO 30 VARIABLES, UP TO 700 CASES, INPUT TRANSFORMATION (5) 7094 FORTRAN II (6) BMD BIOMED COMP PROGRAMS, UCLA STUDENT STORE LOS ANGELES CAL 03

DIXOWJ-03-BSG DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD07S GUTTMAN SCALE NO 2 PART 2 THE PROGRAM THAT PERFORMS THE MAJOR COMPUTATIONS OF GUTTMAN SCALE NO 2 RESPONDENTS ARE RANKED BY THE CORNELL TECHNIQUE.=
(3B) UP TO 25 VARIABLES (4) STUDY OF ATTITUDES OPINIONS SYMPTOMS (5) 7094, FORTRAN II (6) BMDOBIOMED COMPUTER PROGRAMS REQUEST REPORT FROM UCLA STUDENT STORE LOS ANGELES CAL 03

DIXOWJ-04-BSG DIXON WJ
U OF CAL SCHOOL OF MED LOS ANGELES CAL-- (PR LIB) HEALTH SCIENCES COMPUTING FACILITY
BMD08S GUTTMAN SCALE NO 2 PART 3 THE PROGRAM THAT PERFORMS THE FINAL STEPS OF GUTTMAN SCALE NO 2 SCORES ARE ASSIGNED.=
(3B) UP TO 25 VARIABLES (4) STUDY OF ATTITUDES OPINIONS SYMPTOMS (5) 7094, FORTRAN II (6) BMD BIOMED COMPUTER PROGRAMS REQUEST REPORT FROM UCLA STUDENT STORE LOS ANGELES CAL 04

EIMERA- -CF EIMER RA
SOCONY MOBIL OIL CO PAULSBORO NJ
CURVE FITTING.=
(3B) FIFTH DEGREE POLYNOMIAL (5) BURROUGHS 205 (DATATRON) MACHINE LANGUAGE

EISEH - -FTA EISEN H
U OF WASHINGTON SCHOOL OF MED ST LOUIS MO
FLUOROMETRIC TITRATION OF ANTIBODIES.=
(3A) CURVE FITTING (3B) MAX NO OF POINTS 20, MAX NO OF Q'S 20 (5) IBM 7072, FLAG SYSTEM

FINKM - -PSD FINK M
WASHINGTON U SEVER INSTITUTE OF TECH ST LOUIS MO --(PR LIB) WASHINGTON U COMPUTING FACILITIES
A POWER SPECTRAL DENSITY.=
(3A) AUTOCOVARIANCE AND POWER SPECTRAL DENSITY (3B) TYPE-WRITER OUTPUT (4) EEG ANALYSIS (5) IBM 1620/1311 40K MONITOR 1 FORTRAN WITH SPS SUBROUTINES

FLAKR - -NT FLAKE R
U OF WASHINGTON ST LOUIS MO SEVER INST OF TECH--

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(PR LIB) U OF WASHINGTON COMPUTING FACILITIES
NUMERICAL TAXONOMY.=
(3A) STATISTICAL CLASSIFICATION (3B) MAX 125 CASES-MAX 235 ATTRIBUTES PER CASE-UP TO 235 OF THE ATTRIBUTES MAY BE IGNORED PER RUN (5) IBM 7072, 10K, 5 TAPES

FRAN - -TCA FRANCIS
U OF MICH ANN ARBOR MICH SCHOOL OF PUBLIC HEALTH
TCHS 2 CLUSTER ANALYSIS.=
(3A) CLUSTER ANALYSIS (3B) MAX NO OF CASES 144--ATTRIBUTES OF EACH CASE, NO LARGER THAN 144 (4) DIAGNOSIS BEHAVIORAL SCIENCES (5) IBM 7090 MAD PROGRAMS (6) BASED ON IBM 704 TAXONOMY PROGRAM OF TANIMOTO

FRAN - -TCC FRANCIS
U OF MICHIGAN SCHOOL OF PUBLIC HEALTH ANN ARBOR MICH
TCHS 4 CORRELATION COEFFICIENTS.=
(3A) CORRELATION (3B) MAXIMUM NO OF VARIABLES 10 SAMPLE SIZE 1000 MISSING VALUES PERMISSIBLE (5) IBM 7090 MAD PROGRAMS

FRAN - -TOF FRANCIS
U OF MICHIGAN DEPT OF EPIDEMIOLOGY SCHOOL OF PUBLIC HEALTH ANN ARBOR MICH
TCHS1-ONE-FACTOR ANALYSIS OF VARIANCE.=
(3A) ANALYSIS OF VARIANCE (3B) MAXIMUM NUMBER OF OBSERVATIONS WITHIN EACH GROUP IS 1000, NO MISSING DATA, INPUT READ IN AS FLOATING VALUES (5) IBM 7090 MAD PROGRAMS

FRAN - -TPC FRANCIS
U OF MICHIGAN SCHOOL OF PUBLIC HEALTH ANN ARBOR MICH
TCHS 5--A PROGRAM TO COMPUTE ALL 2X2 CHI-SQUARE VALUES OF A MATRIX OF DICHOTOMOUS VARIABLES.=
(3A) CHI-SQUARE ANALYSIS (3B) MAX NO OF VARIABLES 38--NO LIMITATION ON SAMPLE SIZE FOR EACH GROUP (5) IBM 7090--MAD PROGRAMS

FRAN - -TPK FRANCIS
U OF MICHIGAN SCHOOL OF PUBLIC HEALTH ANN ARBOR MICH
TCHS 3--PROBABILITIES OF K INDEPENDENT TRIALS X N EVENTS (VARTING PROBABILITIES).=
(3A) PROBABILITY (5) IBM 7090, MAD PROGRAMS

FRAN - -TPP FRANCIS
U OF MICH ANN ARBOR MICH SCHOOL OF PUBLIC HEALTH
TCHS 6 A PROGRAM TO PLOT KINDRED CHARTS FOR THE EXPLORATION OF FAMILIAR AGGREGATIONS OF DISEASE.=
(5) IBM 7090 MAD PROGRAMS

FRAN -01-TPC FRANCIS
U OF MICHIGAN SCHOOL OF PUBLIC HEALTH ANN ARBOR MICH
TCHS 7--A PROGRAM TO COMPUTE SPECIFIED PARTIAL CORRELATION COEFFICIENTS.=
(3A) CORRELATION (3B) MAXIMUM SIZE OF SAMPLE LIMITED TO 1000 INPUT VARIABLES-FLOATING MISSING DATA WILL BE ALLOWED FOR (5) IBM 7090 MAD PROGRAMS 01

FRANDR- -MSR FRANZ DR
U OF WASHINGTON SEVER INST OF TECH ST LOUIS MO--(PR LIB) WASHINGTON U COMPUTING FACILITIES
MECHANIZED SERIAL RECORD FOR MEDICAL LIBRARIES.=

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(3B) MAX SERIAL RECORD 1250 CHARACTERS (5) IBM 7072, 10K; 6 TAPES AND IBM 1401, 4K, 2 TAPES ADV PROGRAMMING FEATURE AUTOCODER

GALLAB- -CSP GALLER AB
U OF MICH
A CHI-SQUARE PROGRAM.=
(3A) TEST OF HYPOTHESES (3B) SAMPLE SIZE UP TO 999,999 (5) IBM 650 (6) SFO AUXILIARY PUBLICATIONS PROJ, LC WASH DC DOC 6110

GILLPA- -PFE GILLIS PA
A PROGRAM TO FIT AN EXPONENTAL CURVE.=
(3A) REGRESSION (3B) UP TO 500 POINTS (5) IBM 704 (6) AMERICAN DOCUMENTATION INST LC WASH DC DOC 5926

GULLH - -BPP GULLIKSEN H
A BASIC PROGRAM FOR PAIRED COMPARISONS FROM BALANCED INCOMPLETE BLOCKS.=
(3B) UP TO 999 SUBJECTS (5) IBM 650 (6) EDUCATIONAL TESTING SERVICE NASSAU ST PRINCETON NJ

HAGEPW- -PSP HAGENSICK PW
U OF OHIO
A PROGRAM TO SOLVE PROBLEMS IN SYMBOLIC LOGIC.=
(3A) EXPRESSIONS FORMULATED IN PROPOSITIONAL LOGIC (3B) EXPRESSION MAY CONTAIN UP TO 2000 CHARACTERS (4) ARTIFICIAL INTELLIGENCE (5) LGP-30 MAGNETIC DRUM 4K (6) BEHAVIORAL SCIENCE VOL 5 JAN 1960 P 87-94

HAMBRL- -XER HAMBLIN RL
U OF WASHINGTON SEVER INST OF TECH ST LOUIS MO--(PR LIB)
U OF WASHINGTON COMPUTING FACILITIES
XRAP25 EXPERIMENTAL REGRESSION ANALYSIS (STEPWISE CONDENSATION.=
(3A) REGRESSION ANALYSIS (3B) MAX NO OF INPUT VARIABLES LESS THAN 101-MAX NO OF TRANSFORMATION CONSTANTS LESS THAN 41, MAX NO OF TRANSFORMATION SPECIFICATIONS LESS THAN 41, MAX NO OF VARIABLES FOR REGRESSION LESS THAN 33 (5) IBM 1620, 40K, CARD I/O FORTRAN

HARTD - -PIF HARTFORD D
PRETAB II-A FREQUENCY TABULATOR PROGRAM.=
(3B) UP TO 96 CLASS INTERVALS PER VARIABLE (5) IBM 650, 60 WORDS (6) DEPT RESEARCH AND TESTING FLA STATE U 426 EDUCATION BUILDING TALLAHASSEE FLA

HARTDL- -PAV HARTFORD DL
A PROGRAM FOR THE ANALYSIS OF VARIANCE WITH REPEATED MEASURES.=
(3A) FACTORIAL ANALYSIS OF VARIANCE (5) IBM 709, 32K (6) FLORIDA STATE U SCHOOL OF ED DEPT RESEARCH AND TESTING TALLAHASSEE FLA

HESSHF- -PER HESS HF
U OF OREGON MEDICAL SCHOOL
A PROGRAM FOR EVALUATION OF THE REPERTORY TEST.=
(3B) REPERTORY TEST GRID UP TO 19 BY 19 (5) BENDIX G-150 (6) DIRECTOR NUMERICAL ANALYSIS CENTER U OF COLORADO BOULDER COL

HOBBC - -ISP HOBBY C
CAL INST OF TECH PASADENA CAL--(PR LIB) AMERICAN

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                    DOCUMENTATION INST LC WASHINGTON DC DOC 5930
                  AN INTEGRATED SET OF PROGRAMS FOR CURVE AND SURFACE
                    FITTING ON UNEQUALLY SPACED POINTS.=
                  (3A) CURVE AND SURFACE FITTING (6) BEHAVIORAL SCIENCE
                    VOL 4 P 255 JULY 1959
HOFFEP-   -PCA   HOFFMAN EP
                    --(PR LIB) ADI AUXILIARY PUBLICATIONS PROJECT
                    LC WASHINGTON DC, DOC 6806
                  A PROGRAM TO CALCULATE AVERAGE RIDITS.=
                  (3A) RIDIT ANALYSIS (5) IBM 650, FLOATING DECIMAL
                    DEVICE, INDEX REGISTERS (6) IBM 407 ONLINE
HOFFPJ-   -PCA   HOFFMAN PJ
                    OREGON RESEARCH INST EUGENE ORE--(PR LIB) OREGON
                    RESEARCH INST
                  A PROGRAM FOR CORRELATION ANALYSIS AND GENERAL MULTIPLE
                    REGRESSION.=
                  (3A) REGRESSION (3B) UP TO 100 VARIABLES-UP TO 100
                    OBSERVATIONS PER VARIABLE (5) IBM 709
HOFLJJ-   -APD   HOFLER JJ
                    IBM FSD KINGSTON NY
                  ANALYSIS OF A PHONOCARDIOGRAM BY A DIGITAL COMPUTER.=
                  (3A) PATTERN RECOGNITION (3B) A/D CONVERSION AT 8000
                    SAMPLES/SEC (4) CARDIOGRAPHY (5) IBM 704 (6) GERBARG DS
                    'ANALYSIS OF PHONOCARDIOGRAM BY A DIGITAL COMPUTER'
                    CIRCULATION RESEARCH VOL 11 SEPT 1962
HOLLC -   -PFS   HOLLOWAY C
                    --(PR LIB) AMERICAN INST OF CHEM ENGRS, 25 W 45 ST NYC
                  A PROGRAM FOR FISHER'S F DISTRIBUTION.=
                  (3A) TEST OF HYPOTHESES (5) IBM 704, NO TAPES OR DRUM,
                    FORTRAN
HOPKCG-   -VMS   HOPKINS CG
                    UCLA SCHOOL OF PUBLIC HEALTH
                  VARIANCE OF MEAN OF A SAMPLE SUBJECT TO NATURAL
                    CLUSTERING INTRACLASS CORRELATION.=
                  (3A) ANALYSIS OF VARIANCE (3B) UP TO 20 ELEMENTS IN EACH
                    OF 20 CLUSTER SIZES (5) IBM 709-7090 FORTRAN
IKERHP-   -IAU   IKER HP
                    U OF ROCHESTER SCHOOL OF MEDICINE AND DENTISTRY
                  ITEM ANALYSIS USING A DICHOTOMOUS CRITERION VARIABLE.=
                  (3B) UP TO 10,500 SUBJECTS WILL ACCOMODATE MISSING
                    MEASURES (5) IBM 650, INDEXING REGISTERS (6) BEHAVIORAL
                    SCIENCE VOL 7 P 127 JAN 1962
IKERHP-01-IAU   IKER HP
                    U OF ROCHESTER SCHOOL OF MEDICINE AND SURGERY
                  ITEM ANALYSIS USING A CONTINUOUS CRITERION VARIABLE.=
                  (4) ITEM ANALYSIS (5) IBM 650, INDEXING REGISTERS          01
                    (6) BEHAVIORAL SCIENCE VOL 7 P 127-128 JAN 1962
IKERPH-   -TCP   IKER PH
                    U OF ROCHESTER SCHOOL OF MEDICINE AND SURGERY
                  TWO CORRELATION PROGRAMS.=
                  (3B) UP TO 10,000 CASES (4) ITEM ANALYSIS (5) IBM 650,
                    INDEXING REGISTERS (6) BEHAVIORAL SCIENCE VOL 7 P 127
                    JAN 1962
JENNE -   -PIM   JENNINGS E
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U OF TEX--(PR LIB) DEPT OF EDUCATIONAL PSYCHOLOGY
A PROGRAM FOR INTERCORRELATION AND MULTIPLE REGRESSION.=
(3A) REGRESSION (5) CDC 1604 FORTRAN

KINGFJ- -PFE KING FJ
FLA STATE U DEPT RESEARCH AND TESTING SCHOOL OF EDUCATION TALLAHASSEE FLA
A PROGRAM FOR FACTOR ESTIMATION.=
(3A) FACTOR ANALYSIS (3B) UP TO 40 VARIABLES OR 10 FACTORS (4) PSYCHOLOGY (5) IBM 650, INDEX REGISTERS, FLOATING POINT, FORTRAN

KINGFJ- -PTA KING FJ
FLA STATE U DEPT RESEARCH AND TESTING SCHOOL OF EDUCATION TALLAHASSEE FLA
A PROGRAM FOR TRANSFORMATION ANALYSIS.=
(3A) FACTOR ANALYSIS (4) PSYCHOLOGY (5) IBM 650, INDEX REGISTERS, FLOATING POINT, FORTRAN

KIRK - -SSA KIRKPATRICK
WASHINGTON U SEVER INSTITUTE OF TECH ST LOUIS MO --(PR LIB) WASHINGTON U COMPUTING FACILITIES
STATIS (STATISTICAL ANALYSIS OF PERIOD ANALYSIS).=
(3B) INPUT FOR STATIS IS FROM PERIOD ANALYSIS PROGRAM TYPEWRITER OUTPUT (4) EEG ANALYSIS (5) IBM 1620/1311 40K MONITOR I FORTRAN WITH SPS SUBROUTINE

KRONLH- -GC KRONE LH
MONSANTO CHEMICAL CO APPLIED MATHEMATICS SECTION ST LOUIS MO
GROWTH CURVES.=
(3A) REGRESSION (5) IBM 704, 8K, 1 TAPE FORTRAN II (6) AMERICAN INST OF CHEMICAL ENGRS 25 W 45 ST NYC

LADDCE- -CPC LADD CE
AD I AUXILIARY PUBLICATIONS PROJECT PHOTODUPLICATION SERVICE, LC WASH DC DOC 6278
A COMPUTER PROGRAM FOR CONVERTING MMPI RAW SCORES TO T-SCORES.=
(3B) UP TO 10,000 SUBJECTS OF EACH SET (4) PSYCHOLOGY (5) IBM 650 (6) BEHAVIORAL SCIENCE VOL 5 P 268 JULY 1960

LANGS - -BVA LANGE S
U OF WASHINGTON SCHOOL OF MEDICINE ST LOUIS MO
BLOOD VOLUME ANALYSIS (SIMULTANEOUS ISOTOPE METHOD).=
(3B) MAX NO PER GROUP 50 NO OF GROUPS UNLIMITED (A STUDY USUALLY CONSISTS IF TWO GROUPS) (4) BLOOD FLOW KINETICS (5) IBM 7072, 10K FLAG REQUIREMENTS FORTRAN

LEVOE - -SRP LEVONIAN E
UCLA--(PR LIB) ADI AUXILIARY PUBLICATIONS PROJECT LC WASHINGTON DC DOC 6111
A SWAC REGRESSION PROGRAM WHICH CHECKS THE LINEARITY OF REGRESSION BY EPSILON.=
(3A) REGRESSION (3B) UP TO 64 VARIABLES (5) SWAC

LINGJC- -MSA LINGOES JC
U OF MICH COMPUTING CTR ANN ARBOR MICH
A MULTIPLE SCALOGRAM ANALYSIS.=
(3A) SCALOGRAM ANALYSIS (4) PSYCHOLOGY, BEHAVIORAL SCIENCES (5) IBM 704/709/7090, TAPE, 8K OR 32K UMAP

LINGJC- -PCR LINGOES JC

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U OF MICHIGAN COMPUTING CTR ANN ARBOR MICH
A PROGRAM FOR CORRELATION RATIOS.=
(3A) CORRELATION (3B) UP TO 155 VARIABLES (5) IBM 7090 FORTRAN II

LINGJC- -PMP LINGOES JC
U OF MICHIGAN COMPUTING CTR ANN ARBOR MICH
A PROGRAM FOR MAXIMIZING PREDICTION AND CLASSIFICATION.=
(3A) REGRESSION AND DISCRIMINANT ANALYSIS (4) CLASSIFICATION OF SCORES (5) IBM 7090

LINGJC- -PSA LINGOES JC
U OF MICHIGAN COMPUTING CTR ANN ARBOR MICH
A PROGRAM FOR SOCIOMETRIC ANALYSIS.=
(3A) FACTOR ANALYSIS (3B) UP TO 155 VARIABLES (4) PSYCHOLOGY (5) IBM 7090 FORTRAN II

LINGJC- -PSR LINGOES JC
U OF MICHIGAN COMPUTING CTR ANN ARBOR MICH
A PROGRAM FOR SQUARE ROOT FACTOR ANALYSIS.=
(3A) FACTOR ANALYSIS (3B) 155 VARIABLES (4) PSYCHOLOGY (5) IBM 7090 FORTRAN II

LINGJC- -SDA LINGOES JC
U OF MICHIGAN COMPUTING CTR ANN ARBOR MICH
SEQUENTIAL DEPENDENCY ANALYSIS--A PROGRAM FOR FACTORING NONLINEAR OR NONMETRIC DATA.=
(4) BEHAVIORAL SCIENCE (5) IBM 7090

LINGJC- -TOP LINGOES JC
U OF MICHIGAN COMPUTING CTR ANN ARBOR MICH
A TAXONOMIC OPTIMIZATION PROCEDURE AND CLASSIFICATION PROGRAM.=
(3A) MAXIMIZATION OF THE COVARIANCE AMONG THE VARIABLES (4) CLASSIFICATION OF GROUPS (5) IBM 7090 (6) BEHAVIORAL SCIENCE VOL 8 NO 4 OCT 1963

LINGJC-, -MSA LINGOES JC
MICH STATE U EAST LANSING MICH-- (PR LIB) LIBRARY COMPUTER LAB PROGRAM K9M
MULTIPLE SCALOGRAM ANALYSIS.=
(3A) SCALOGRAM ANALYSIS (4) PSYCHOLOGY, TESTING (5) ILLIAC, SILLIAC, CYCLONE

MARTCH- -SMR MARTING CH
U OF WASHINGTON COMPUTER CTR ST LOUIS MO--(PR LIB) U OF WASHINGTON COMPUTER CTR
A STEPWISE MULTIPLE REGRESSION PROGRAM.=
(3A) REGRESSION ANALYSIS (3B) OBSERVATIONS LESS THAN 100,000, INDEPENDENT VARIABLES LESS THAN 60, ONLY ONE DEPENDENT VARIABLE PER PROBLEM (5) FORTRAN, IBM 7072, 4 TAPE DRIVES ON ONE CHANNEL NO SENSE SWITCHES OR LIGHTS A MODIFICATION OF EFROYMSOM'S AND BMD AT UCLA

MASSFJ- -XCC MASSEY FJ
UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS TABULATION SERIES PROGRAMS
XTAB 81, A CORRELATION COEFFICIENT PROGRAM (SIMPLE AND MULTIPLE).=
(3A) CORRELATION (3B) UP TO 10 DEPENDENT VARIABLES, UP TO 50 SETS OF 4 OR LESS DEPENDENT VARIABLES (5) 7090, FORTRAN

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MASSFJ-   -XHL   MASSEY FJ
                     UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS
                     TABULATION SERIES PROGRAMS
                 XTAB10 (HI-LOW PROGRAM) A SCREENING PROGRAM TO LIST
                   THE NUMBER AND PERCENTS OF CASES OF A VARIABLE
                   FALLING INTO 3 CLASSES.=
                 (3A) DESCRIPTIVE STATISTICS (3B) ZERO CASES ARE ASSUMED
                   MISSING, MEANS, STANDARD DEVIATIONS, HI, LOW AND RANGE
                   (5) 7090, FORTRAN II
MASSFJ-   -XLP   MASSEY FJ
                     UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS
                     TABULATION SERIES PROGRAMS
                 XTAB51, A LISTING PROGRAM WHICH PREPARES LISTS OF CASES
                   MEETING SPECIFIED RESTRICTIONS.=
                 (3B) UP TO 20 LISTS (5) 7090, FORTRAN II
MASSFJ-   -XOW   MASSEY FJ
                     UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS
                     TABULATION SERIES PROGRAMS
                 XTAB11--ONE WAY TABLES WITH HISTOGRAMS PLOT.=
                 (3B) UP TO 250 ONE-WAY DISTRIBUTION TABLES, EACH WITH UP
                   TO 11 CLASSES, DATA CAN BE TRANSFORMED, UP TO 1400
                   VARIABLES PER CASE (5) 7090, FORTRAN II
MASSFJ-   -XPO   MASSEY FJ
                     UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS
                     TABULATION SERIES PROGRAMS
                 XTAB12--PAIRED ONE-WAY TABLES WITH HISTOGRAMS.=
                 (3B) UP TO 125 PAIRS OF ONE-WAY DISTRIBUTION TABLES,
                   UP TO 11 CLASSES PER VARIABLE (5) 7090, FORTRAN II
MASSFJ-   -XPP   MASSEY FJ
                     UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS
                     TABULATION SERIES PROGRAMS
                 XTAB41, PLOTTING PROGRAM 1.=
                 (3B) UP TO 18 VARIABLES SCATTERGRAMS IN ONE PASS, ALSO
                   REGRESSION EQUATION AND CORRELATION COEFF (5) 7090,
                   FORTRAN II
MASSFJ-   -XST   MASSEY FJ
                     UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS
                     TABULATION SERIES PROGRAMS
                 XTAB31, SUMMARY TABLES 1.=
                 (3A) UP TO 150 TABLES (MEANS, STANDARD DEV, HI AND LOW
                   VALUES, STANDARD ERRORS OF THE MEANS), UP TO 1400
                   VARIABLES PER CASE UP TO 10 VARIABLES PER TABLE (5) 7090
                   FORTRAN II
MASSFJ-   -XTW   MASSEY FJ
                     UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS
                     TABULATION SERIES PROGRAMS
                 XTAB21--TWO-WAY TABLES 1.=
                 (3B) UP TO 50 TWO-WAY DISTRIBUTION TABLES 11X11 MATRIX
                   (5) 7090, FORTRAN II
MASSFJ-01-XCC  MASSEY FJ
                     UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS
                     TABULATION SERIES PROGRAMS
                 XTAB61, A CROSS CLASSIFICATION TABLES PROGRAM.=
                 (3B) CONTROL CARD SPECIFICATION (5) 7090, FORTRAN II      01
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MASSFJ-01-XPP MASSEY FJ
UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS TABULATION SERIES PROGRAMS
XTAB42, PLOTTING PROGRAM II.=
(3B) CONTROL CARD SPECIFICATION (5) 7090 FORTRAN II 01

MASSFJ-01-XST MASSEY FJ
UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS TABULATION SERIES PROGRAMS
XTAB32, SUMMARY TABLES PROGRAM 2 TO GIVE COUNTS OF INDIVIDUALS WHO MEET SPECIFIED ROW AND COLUMN RESTRICTIONS.=
(5) 7090, FORTRAN II 01

MASSFJ-01-XTW MASSEY FJ
UCLA SCHOOL OF PUBLIC HEALTH--(PR LIB) CROSS TABULATION SERIES PROGRAMS
XTAB22--TWO-WAY TABLES II--A PROGRAM TO COMPUTE FREQUENCIES, STANDARD DEVIATIONS AND CHI-SQUARE.=
(3B) UP TO 150 TWO-WAY DISTRIBUTION TABLES, UP TO 5X5 MATRIX (5) 7090, FORTRAN II 01

MCKIJ - -PIA MCKINNEY J
U OF FLA STATISTICAL LAB
A PROGRAM FOR INFORMATION ANALYSIS OF SEQUENTIAL DEPENDENCIES.=
(3A) MULTIVARIATE INFO ANALYSIS (3B) INPUT RESTRICTED TO SEQUENCES OF LENGTH 64 (4) BEHAVIORAL SCIENCE (5) IBM 650 (6) BEHAVIORAL SCIENCE VOL 2 P 128 JAN 1962

MCKIRE- -AV MCKINNEY RE
U OF WASHINGTON ST LOUIS MO--(PR LIB) U OF WASHINGTON COMPUTER CENTER
ANALYSIS OF VARIANCE.=
(3A) ANALYSIS OF VARIANCE (3B) NUMBER OF VARIABLES LESS THAN OR EQUAL TO EIGHT NUMBER OF REPLICATES LESS THAN OR EQUAL TO 999, NUMBER OF DATA POINTS PER REPLICATE LESS THAN OR EQUAL TO 200, NO MISSING DATA ALLOWED (5) IBM 7072, 10K 4 TAPES DRIVES ON ONE CHANNEL

MCKIRE- -GLH MCKINNEY RE
U OF WASHINGTON SEVER INST OF TECH ST LOUIS MO
A GENERAL LINEAR HYPOTHESIS.=
(3A) CLASSIFICATION--ANALYSIS OF VARIANCE (3B) (P) NO OF ANALYSIS OF VARIANCE VARIABLES P LESS THAN OR EQUAL TO 25 (G) NO OF COVARIATES LESS THAN OR EQUAL TO 25 P PLUS G LESS THAN OR EQUAL TO 25 (5) IBM 7072 10K FLAG REQUIREMENTS STOPS FORTRAN

MCMACA- -BST MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MED NEW ORLEANS LA
BARTLETT'S TEST FOR HOMOGENEITY OF VARIANCES.=
(3A) TEST OF HYPOTHESES (5) IBM 1620, 1622, 20K, FORTRAN (6) DIXON WJ, MASSEY FJ 'INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC 1957 P 279-181

MCMACA- -CP MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MED NEW ORLEANS LA
A CORRELATION PROGRAM.=
(3A) CORRELATION (5) IBM 1620, 1622, 20K FORTRAN (6) WJ DIXON, FJ MASSEY, 'INTRODUCTION TO STATISTICAL ANALYSIS,'

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MCGRAW-HILL NYC 1957, P 198-204

MCMACA- -CSM MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MED NEW ORLEANS LA
COMPARISON OF SAMPLE MEAN AND POPULATION MEAN WHEN THE VARIANCE IS UNKNOWN, T-DISTRIBUTION.=
(3A) TEST OF HYPOTHESES (5) IBM 1620, 1622, 20K, FORTRAN (6) DIXON WJ, MASSEY FJ 'INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC 1957 P 115-118

MCMACA- -CSY MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MED NEW ORLEANS LA
CHI-SQUARE WITH YATES CORRECTION TWO-BY-TWO TABLES.=
(3A) TEST OF HYPOTHESES (5) IBM 1620, 1622, 20K, FORTRAN (6) DIXON WJ, MASSEY FJ 'INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC 1957 P 225-226

MCMACA- -LR MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MED NEW ORLEANS LA
LINEAR REGRESSION.=
(3A) REGRESSION ANALYSIS (5) IBM 1620, 1622, 20K, FORTRAN (6) DIXON WJ, MASSEY FJ 'INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC 1957 P 189-196

MCMACA- -LSP MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MED NEW ORLEANS LA
A LATIN SQUARE PROGRAM.=
(3A) EXPERIMENT DESIGN, ANALYSIS OF VARIANCE (4) EXPERIMENTAL DESIGN (5) IBM 1620, 1622, 20K, FORTRAN (6) DIXON WJ, MASSEY FJ 'INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC 1957 P 171-174

MCMACA- -PO MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MEDICINE NEW ORLEANS LA
PAIRING OBSERVATIONS.=
(4) PSYCHOLOGY (5) IBM 1620, 1622, 20K FORTRAN (6) DIXON WJ, MASSEY FJ 'INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC 1957 P 124-127

MCMACA- -SVC MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MEDICINE NEW ORLEANS LA
SINGLE VARIABLE OF CLASSIFICATION.=
(5) IBM 1620, 1622, 20K FORTRAN (6) DIXON WJ, MASSEY FJ 'INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC 1957 P 145-152

MCMACA- -THC MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MED NEW ORLEANS LA
TESTS OF HYPOTHESES CONCERNING MEANS OF TWO POPULATIONS.=
(3A) TEST OF HYPOTHESES (5) IBM 1620, 1622, 20K FORTRAN (6) DIXON WJ, MASSEY FJ ' INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC 1957 P 119-122

MCMACA- -TLR MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MED NEW ORLEANS LA
TESTS FOR LINEARITY OF REGRESSION.=
(5) IBM 1620, 1622, 20K, FORTRAN (6) DIXON WJ, MASSEY FJ 'INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC 1957 P 196-198

MCMACA- -TVC MCMAHAN CA
LOUISIANA STATE U SCHOOL OF MEDICINE NEW ORLEANS LA
TWO VARIABLES OF CLASSIFICATION, SINGLE OBSERVATION.=

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                (5) IBM 1620, 1622, 20K FORTRAN (6) DIXON WJ, MASSEY FJ
                  'INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC
                  1957 P 155-163
MCMACA-01-TVC   MCMAHAN CA
                    LOUISIANA STATE U SCHOOL OF MEDICINE NEW ORLEANS LA
                TWO VARIABLES OF CLASSIFICATION, REPEATED MEASUREMENTS.=
                (5) IBM 1620, 1622, 20K FORTRAN (6) DIXON WJ, MASSEY FJ   01
                  'INTRODUCTION TO STATISTICAL ANALYSIS' MCGRAW HILL NYC
                  1957 P 163-168
MED CC-   -PSA  MED COLLEGE OF VIRGINIA
                    RICHMOND VA
                A POWER SPECTRUM ANALYSIS PRGM.=
                (3A) UP TO 500 OBSERVATIONS OUTPUT INCLUDES AUTO CORR
                  COEFF AND SPECTRAL DENSITY IN A TIME SERIES (4) EEG
                  ANALYSIS
MEDICC-   -AV   MEDICAL COLLEGE OF VA RICHMOND VA
                ANALYSIS OF VARIANCE.=
                (3A) ANALYSIS OF VARIANCE
MEDICC-   -DEC  MEDICAL COLLEGE OF VA RICHMOND VA
                A DOUBLE EXPONENTIAL CURVE FIT BY MAXIMUM LIKELIHOOD.=
                (3A) REGRESSION (MAX LIKELIHOOD)
MEDICC-   -ECF  MEDICAL COLLEGE OF VA RICHMOND VA
                AN EXPONENTIAL CURVE FIT BY MAXIMUM LIKELIHOOD.=
                (3A) REGRESSION (MAX LIKELIHOOD)
MEDICC-   -GMR  MEDICAL COLLEGE OF VA RICHMOND VA
                A GROUP MULTIPLE REGRESSION ANALYSIS.=
                (3A) REGRESSION (3B) CORRECTS FOR MEAN FOR EACH GROUP
                  OF DATA
MEDICC-   -MRA  MEDICAL COLLEGE OF VA RICHMOND VA
                A MULTIPLE REGRESSION ANALYSIS PROGRAM.=
                (3A) REGRESSION ANALYSIS
MEDICC-   -NOF  MEDICAL COLLEGE OF VIRGINIA
                    RICHMOND VA
                AN N ORDINATE FOURIER ANALYSIS PRGM.=
                (3B) N EQUAL TO 200
MEDICC-   -PAC  MEDICAL COLLEGE OF VA RICHMOND VA
                PROBIT ANALYSIS WITH CONFIDENCE LIMITS.=
                (3A) BIOASSAY--PROBIT ANALYSIS
MEDICC-   -SLF  MEDICAL COLLEGE OF VA RICHMOND VA
                A STRAIGHT LINE FIT PROGRAM WITH MULTIPLE CONFIDENCE
                  INTERVALS.=
                (3A) REGRESSION ANALYSIS (3B) MAX NO OF CONFIDENCE
                  INTERVALS EQUAL TO 5
MEIEP -   -EUB  MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
                E2 UCC BIN NONLINEAR ESTIMATION (VARIABLE METRIC METHOD).=
                (5) BINARY PROGRAM
MEIEP -   -EUF  MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
                E2 UOC F02 NONLINEAR ESTIMATION (BSCC VERS 1).=
                (5) FORTRAN PROGRAM
MEIEP -   -FHF  MEIER P
                    U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
                F2 HED F02 EIGENVALUES AND VECTORS OF A REAL SYMMETERIC
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                MATRIX.=
               (3A) MATRIX ALGEBRA (5) FORTRAN PROGRAM
MEIEP -  -FUF  MEIER P
                   U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
               F2 UCM F02 CANONICAL ANALYSIS.=
               (3A) CANONICAL ANALYSIS (4) BEHAVIORAL SCIENCES
                 CORRELATION BETWEEN CRITERIA AND PREDICTOR MEASURES
                 (5) FORTRAN PROGRAM
MEIEP -  -FUM  MEIER P
                   U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
                   CHICAGO ILL
               F2-UCM-MIX FACTOR ANALYSIS.=
               (3A) FACTOR ANALYSIS (4) PSYCHOLOGY (5) FORTRAN PROGRAM
MEIEP -  -GHF  MEIER P
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               (3A) CANONICAL ANALYSIS (4) BEHAVIORAL SCIENCES CORRELA-
                 TION BETWEEN CRITERIA AND PREDICTOR MEASURES
                 (5) FORTRAN PROGRAM
MEIEP -  -GUB  MEIER P
                   U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
               GO-UOC-BIN SURVIVAL TABLES (ACTUARIAL METHOD).=
               (5) BINARY PROGRAM
MEIEP -  -GUD  MEIER P
                   U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
                   CHICAGO ILL
               G1 UCM DATA SCREENING NO 3.=
               (5) FORTRAN PROGRAM
MEIEP -  -GUF  MEIER P
                   U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
                   CHICAGO ILL
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               G3 UCM MIX TIME SERIES ANALYSIS NO 2.=
               (3A) TIME SERIES (4) EEG ANALYSIS (5) FORTRAN PROGRAM
MEIEP -  -GUP  MEIER P
                   U OF CHICAGO BIOMEDICAL SCIENCES COMPUTATION CTR
                   CHICAGO ILL
               G2 UCM PROBIT ANALYSIS (DUMMY).=
               (3A) PROBIT ANALYSIS (5) FORTRAN PROGRAM
MEIEP -  -ZBA  MEIER P
                   U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
                   CHICAGO ILL
               ZO BSC AC PEDIATRIC CORRELATION PH 1.=
               (3A) CORRELATION ANALYSIS (5) FORTRAN PROGRAM IBM 1401
MEIEP -01-EUB  MEIER P
                   U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
               000077-E2-UOC BIN NONLINEAR ESTIMATION (BSCC VERS 1).=
               (5) BINARY PROGRAM                                        01
MEIEP -01-EUF  MEIER P
                   U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
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E2 UOC FO2 NONLINEAR ESTIMATION (VARIABLE METRIC METHOD).=
(5) FORTRAN PROGRAM 01

MEIEP -01-FHF MEIER P
U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
F2 HED FO2 EIGENVECTORS AND VALUES OF A NONSYMMETRIC MATRIX.=
(3A) MATRIX ALGEBRA (5) FORTRAN PROGRAM 01

MEIEP -01-GHF MEIER P
U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
GO HED FO2 MAXIMUM CANONICAL CORRELATION.=
(3A) CANONICAL ANALYSIS (4) BEHAVIORAL SCIENCES 01
CORRELATION BETWEEN CRITERIA AND PREDICTOR MEASURES
(5) FORTRAN PROGRAM

MEIEP -01-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
GO-UOC-FO2, WEIGHTED MEAN AND STANDARD DEVIATION.=
(3A) DESCRIPTIVE STATISTICS (5) BINARY PROGRAM 01

MEIEP -01-GUM MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G3 UCM MIX TIME SERIES ANALYSIS NO 1.=
(3A) TIME SERIES (4) EEG ANALYSIS (5) FORTRAN PROGRAM 01

MEIEP -02-FHF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
F2 HED FO2 PRINCIPAL COMPONENTS ANALYSIS CORR OR DISPER MATRIX.=
(3A) FACTOR ANALYSIS (4) PSYCHOLOGY (5) FORTRAN PROGRAM 02

MEIEP -02-GHF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G1 HED FO2 CENTROIDS, DISPERSIONS IN DISCRIMINANT OR FACTOR SPACE.=
(3A) FACTOR ANALYSIS (4) PSYCHOLOGY (5) FORTRAN PROGRAM 02

MEIEP -02-GUF MEIER P
U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
GO UCM FO2 GUTTMAN SCALING NO 2 (PART 2).=
(5) FORTRAN PROGRAM 02

MEIEP -02-GUM MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G4 UCM MIX ANALYSIS OF VARIANCE NO1.=
(5) FORTRAN PROGRAM 02

MEIEP -03-FHF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
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F2 HED FO2 PRINCIPAL COMPONENTS ANALYSIS (RAW SCORES).=
(3A) FACTOR ANALYSIS (4) PSYCHOLOGY (5) FORTRAN PROGRAM 03

MEIEP -03-GHF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G3 HED FO2 VARIMAX ROTATION OF A FACTOR MATRIX (KAISER).=
(3A) FACTOR ANALYSIS (4) PSYCHOLOGY (5) FORTRAN PROGRAM 03

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MEIEP -03-GUF MEIER P
U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
GO UCM F02 GUTTMAN SCALING NO 2 (PART 3).=
(5) FORTRAN PROGRAM 03

MEIEP -03-GUM MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G4 UCM MIX ANALYSIS OF COVARIANCE.=
(3A) ANALYSIS OF COVARIANCE (5) FORTRAN PROGRAM 03

MEIEP -04-GHF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G4 HED F02 TWO TO THREE WAY ANALYSIS OF VARIANCE
COV. ADJUST.=
(3A) ANALYSIS OF VARIANCE (5) FORTRAN PROGRAM 04

MEIEP -04-GUF MEIER P
U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
G4 UCM F02 GENERAL LINEAR HYPOTHESIS FOR ANOVA.=
(5) FORTRAN PROGRAM 04

MEIEP -04-GUM MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G4 UCM MIX ANALYSIS OF VARIANCE NO 2.=
(3A) ANALYSIS OF VARIANCE (5) FORTRAN PROGRAM 04

MEIEP -05-GHF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
GO HED F02 TEST H**2, WITH COVARIANCE CONTROLS.=
(5) FORTRAN PROGRAM 05

MEIEP -05-GUF MEIER P
U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
G4 UCM F02 GENERAL HYPOTHESIS NO 2 FOR ANOVA.=
(3A) GENERAL LINEAR HYPOTHESIS (5) FORTRAN PROGRAM 05

MEIEP -05-GUM MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G2 UCM MIX CORRELATION ANALYSIS (WITH PLOT).=
(3A) CORRELATION ANALYSIS (5) FORTRAN PROGRAM 05

MEIEP -06-GHF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G2 HED F02 CORRELATION ANALYSIS.=
(3A) CORRELATION ANALYSIS (5) FORTRAN PROGRAM 06

MEIEP -06-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
GO UCM F02 ROTATION OF A FACTOR MATRIX.=
(3A) FACTOR ANALYSIS (5) FORTRAN PROGRAM 06

MEIEP -06-GUM MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G1 UCM MIX DISCRIMINANT ANALYSIS-SEVERAL GROUPS.=
(3A) DISCRIMINANT ANALYSIS (5) FORTRAN PROGRAM 06

MEIEP -07-GHF MEIER P

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                    U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
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                  GO HED FO2 MULTIPLE DISCRIMINANT FUNCTIONS.=
                  (3A) DISCRIMINANT ANALYSIS (5) FORTRAN PROGRAM                07
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                    U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
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                  G2 UCM FO2 COMPONENT ANALYSIS.=
                  (3A) COMPONENT ANALYSIS (5) FORTRAN PROGRAM                   07
MEIEP -07-GUM     MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
                  G2-UOC-MIX, GENERALIZED STEPWISE REGRESSION (MODIFIED
                    BIMD 34).=
                  (3A) REGRESSION ANALYSIS (5) BINARY PROGRAM                   07
MEIEP -08-GHF     MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
                  G2 HED FO2 MULTIPLE REGRESSION.=
                  (3A) REGRESSION ANALYSIS (3B) UP TO 50 VARIABLES              08
                    (5) FORTRAN PROGRAM
MEIEP -08-GUF     MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
                    CHICAGO ILL
                  3 GO UCM FO2 SUBROUTINE ROTATE (VARIMAX).=
                  (3A) FACTOR ANALYSIS (4) PSYCHOLOGY-BEHAVIORAL SCIENCES       08
                    (5) FORTRAN PROGRAM
MEIEP -08-GUM     MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
                  G2 UCM MIX POLYNOMIAL REGRESSION.=
                  (5) FORTRAN PROGRAM                                           08
MEIEP -09-GUF     MEIER P
                    U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
                  GO UOC FO2 SURVIVAL TABLES (ACTUARIAL METHOD).=
                  (5) FORTRAN PROGRAM                                           09
MEIEP -09-GUM     MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
                  G2 UCM MIX PERIODIC REGRESSION.=
                  (3A) REGRESSION ANALYSIS (5) FORTRAN PROGRAM                  09
MEIEP -10-GUM     MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
                  G2 UCM MIX GENERALIZED STEPWISE REGRESSION (MODIFIED 09).=
                  (3A) REGRESSION ANALYSIS (5) FORTRAN PROGRAM                  10
MEIEP -11-GUA     MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
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                  (3A) ANALYSIS OF COVARIANCE (5) FORTRAN PROGRAM               11
MEIEP -11-GUM     MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
                  G2 UOC MIX GENERALIZED STEPWISE REGRESSION (MODIFIED
                    BIMD 34).=
                  (3A) REGRESSION ANALYSIS (5) FORTRAN PROGRAM                  11
MEIEP -12-GUM     MEIER P
                    U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
                    CHICAGO ILL
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G1 UCM MIX DATA SCREENING NO 4.=
(5) FORTRAN PROGRAM 12

MEIEP -13-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
GO-UOC-FO2, WEIGHTED MEAN AND STANDARD DEVIATION.=
(3A) BASIC STATISTICS (5) FORTRAN PROGRAM 13

MEIEP -13-GUM MEIER P
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CHICAGO ILL
G1 UCM MIX DATA SCREENING NO 1.=
(5) FORTRAN PROGRAM 13

MEIEP -14-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G1 UCM FO2 DISCRIMINANT ANALYSIS--TWO GROUPS.=
(3A) DISCRIMINANT ANALYSIS (5) FORTRAN PROGRAM 14

MEIEP -14-GUM MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G1 UCM MIX DATA SCREENING NO 2.=
(5) FORTRAN PROGRAM 14

MEIEP -15-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
G2 UCM FO2 STEPWISE MULTIPLE REGRESSION.=
(3A) REGRESSION ANALYSIS (5) FORTRAN PROGRAM 15

MEIEP -16-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
G2 UCM FO2 FORTRAN SUBROUTINE--MULTIPLE REGRESSION
AND CORR.=
(3A) REGRESSION ANALYSIS (5) FORTRAN PROGRAM 16

MEIEP -17-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
G2-UCM-FO2 ASYMPTOTIC REGRESSION (LOGISTIC, COMPERTZ, ETC).=
(3A) REGRESSION ANALYSIS (5) FORTRAN PROGRAM 17

MEIEP -18-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
G2-UCM-FO2 MULTIPLE REGRESSION NO3 (MODIFIED 06).=
(3A) REGRESSION ANALYSIS (5) FORTRAN PROGRAM 18

MEIEP -19-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
G2-UCM-FO2 MULTIPLE REGRESSION AND CORRELATION ANALYSIS NO.=
(3A) REGRESSION ANALYSIS (5) FORTRAN PROGRAM 19

MEIEP -20-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
G2 UCM FO2 MULTIPLE REGRESSION AND CORRELATION ANALYSIS.=
(3A) REGRESSION (5) FORTRAN PROGRAM 20

MEIEP -21-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G1 UCM FO2 CROSS TABULATION NO 3 (MODIFIED 23).=
(5) FORTRAN PROGRAM 21

MEIEP -22-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR

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CHICAGO ILL
G1 UCM FO2 CROSS TABULATION NO 2.=
(5) FORTRAN PROGRAM 22

MEIEP -23-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G1 UCM FO2 DATA PATTERNS-DICROTOMY.=
(5) FORTRAN PROGRAM 23

MEIEP -24-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G1 UCM FO2 CROSS TABULATION NO 1.=
(5) FORTRAN PROGRAM 24

MEIEP -25-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
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GO UCM FO2 GENERAL PLOT.=
(5) FORTRAN PROGRAM 25

MEIEP -26-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G1 UCM FO2 DATA PATTERNS-POLYCHOTOMY.=
(5) FORTRAN PROGRAM 26

MEIEP -27-GUF MEIER P
U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR
CHICAGO ILL
G1 UCM FO2 SIMPLE MISSING VALUE ROUTINE NO 3.=
(5) FORTRAN PROGRAM 27

MEIEP -28-GUF MEIER P
U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
GO UCM FO2 GUTTMAN SCALING NO 2 (PART 1).=
(5) FORTRAN PROGRAM 28

MEIEP -29-GUF MEIER P
U OF CHICAGO BIOL SCIENCES COMPUTATION CTR CHICAGO ILL
GO UCM FO2 GUTTMAN SCALING NO 1.=
(5) FORTRAN PROGRAM 29

MERRHH- -CTP MERRITT HH
COLUMBIA U COLLEGE OF PHYSICIANS AND SURGEONS
630 W 168 ST NYC
CROSS TAB, A PROGRAM DESIGNED TO COMPUTE FREQUENCY TABLES
AND BASIC STATISTICS ON DATA STORED IN ANY FORMAT
ON CARDS OR TAPE.=
(3B) MANY OPTIONS AVAILABLE (5) IBM 7090

MILLC - -FSP MILLER C
PACIFIC STATE HOSP POMONA CAL
A FACTOR SCORE PROGRAM.=
(3A) FACTOR ANALYSIS (3B) UP TO 20 BY 20 MATRIX--UP TO
1000 CASES (4) PSYCHOLOGY (5) IBM 7090, 32K, FORTRAN AND
FAP (6) THURSTONE LL 'MULTIPLE FACTOR ANALYSIS' CHICAGO
ILL U OF CHICAGO PRESS 1947 P 511-516

MILLCR- -PFT MILLER CR
PACIFIC STATE HOSPITAL POMONA CAL
A PROGRAM FOR A-FOLD TABLES.=
(3A) STATISTICAL PARAMETERS (3B) UP TO 50 VARIABLES AND

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99,999 CASES (4) BEHAVIORAL SCIENCE (5) IBM 7090,
32K FORTRAN (6) MERRIFIELD P 'DIMENSIONS OF DECISION'
SANTA BARBARA CAL-GEN ELECTRIC 1960 P 20-22

MILLCR- -PP MILLER CR
PACIFIC STATE HOSP POMONA CAL
A PROCRUSTES PROGRAM.=
(3A) FACTOR ANALYSIS (3B) UP TO 100 VARIABLES--30 FACTOR
MATRIX (4) PSYCHOLOGY (5) IBM 7090, 32K, FORTRAN
(6) BEHAVIORAL SCIENCE VOL 8 P 86 JAN 1963

NICHHC- -CFP NICHOLSON HC
U OF MIAMI SCHOOL OF MED MIAMI FLA
CURVE FITTING PROGRAMS.=
(3A) RATIOS OF POLYNOMIALS, SUMS OF EXPONENTIALS,
SEGMENTED EXPONENTIALS USING NEWTON, STEEPEST DESCENT
(4) DRUG SCREENING, MULTICOMPARTMENT KINETICS (5) IBM 1620

NICHHC- -IPW NICHOLSON HC
U OF MIAMI SCHOOL OF MED MIAMI FLA
INTERCORRELATION PROGRAM WHICH COMPUTES ALL PAIRWISE
PEARSON-R CORR COEFF.=
(3A) CORRELATION (5) IBM 1620

NICHHC- -LRC NICHOLSON HC
U OF MIAMI SCHOOL OF MED MIAMI FLA
LINEAR REGRESSION AND CORRELATION PROGRAM.=
(3A) REGRESSION ANALYSIS (5) IBM 1620

NICHHC- -MCP NICHOLSON HC
U OF MIAMI SCHOOL OF MED MIAMI FLA
MULTIPLE CORRELATION PROGRAM, A PROGRAM WHICH COMPUTES
MULTIPLE CORRELATION COEFFICIENTS.=
(3A) CORRELATION (5) IBM 1620

NICHHC- -PP NICHOLSON HC
U OF MIAMI SCHOOL OF MED MIAMI FLA
PLOT PROGRAM.=
(5) IBM 1620

NICHHC-10-TTH NICHOLSON HC
U OF MIAMI SCHOOL OF MED MIAMI FLA
T-TEST WITH HISTOGRAM--A PROGRAM THAT PLOTS A HISTOGRAM
OF PERCENTAGE DIFFERENCES.=
(3) TEST OF HYPOTHESES (5) IBM 1620 10

NICHRC- -RRI NICHOLS RC
PURDUE U COMPUTING LAB
ROUTINE R-19--AN INTERCORRELATION PROGRAM.=
(3A) CORRELATION (3B) UP TO 80 VARIABLES (5) DATATRON 202,
CARDS OR TAPE

NICKMR- -POR NICKLES MR
U OF ROCHESTER COMPUTING CTR ROCHESTER NY
A PROGRAM FOR THE OBLIMAX ROTATION TO SIMPLE STRUCTURE.=
(3A) FACTOR ANALYSIS--OBLIMAX ROTATION (3B) UP TO 10
FACTORS--UP TO 100 TESTS (MUST BE EVEN) (4) PSYCHOLOGY
(5) IBM 650

NUGECA- -DDC NUGENT CA
U OF UTAH COL OF MED DEPT OF INTERNAL MED SALT LAKE
COUNTY GEN HOSP SALT LAKE CITY UTAH
THE DISTRIBUTION AND DISPOSAL OF CORTISOL IN HUMANS.=
(3A) DIFFERENTIAL EQUATIONS (NON-LINEAR) (5) ANALOG

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COMPUTER

NUGECA- -EGU NUGENT CA
U OF UTAH COL OF MED DEPT OF INTERNAL MED SALT LAKE COUNTY GEN HOSP SALT LAKE CITY UTAH
AN EXAMINATION OF THE GLYCINE-URATE HYPOTHESIS IN PRIMARY GOUT.=
(5) ANALOG COMPUTER

NUGECA- -IDM NUGENT CA
U OF UTAH COL OF MED DEPT INTERNAL MED SALT LAKE COUNTY GEN HOSP SALT LAKE CITY UTAH
ISOTOPE DILUTION METHODS FOR HORMONE PRODUCTION RATE DETERMINATIONS.=
(5) ANALOG COMPUTER

OGBORE- -ABA OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB
AIR BACKGROUND ANALYSIS--A PROGRAM TO COMPUTE FALLOUT ACTIVITY IN AN AIR SAMPLE.=
(4) NEURON ACTIVATION ANALYSIS (5) IBM 1620, 20K TAPE FORTRAN FORMAT PROGRAM

OGBORE- -BSP OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB
BACKGROUND SUBTRACT--A PROGRAM WHICH SUBTRACTS EXPERIMENT BACKGROUND FROM 400 CHANNEL OUTPUT.=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -CCP OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB
COMPOSITE CONVERTER AND PEAK SUMS WITH FLUX--A PROGRAM WHICH MULTIPLIES 400-CHANNEL OUTPUT BY A FACTOR AND SUMS SELECTED AREAS.=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -CP OGBORN RE
VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE OMAHA NEB
CORRELATION PROGRAM.=
(3A) CORRELATION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -DPC OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB
DISTAT, A PROGRAM TO COMPILE DISTRIBUTION STATISTICS.=
(5) 1620, 20K SPS

OGBORE- -ECR OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB
EXPECTED COUNT RATE.=
(4) IRRADIATION STUDIES (5) 1620, 20K, TAPE FORTRAN FORMAT

OGBORE- -EEA OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB

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ELEVEN ELEMENT ANALYSIS--A PROGRAM TO SOLVE SIMULTANEOUS LINEAR EQUATIONS OF ELEVEN ELEMENTS IN A COMPOSITE.=
(3A) SIMULTANEOUS EQUATION (4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -ELR OGBORN RE
VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE OMAHA NEB
EXTENSION TO LINEAR REGRESSION ANALYSIS OF ALL COMBINATIONS OF VARIABLES PROGRAM. IT COMPUTES, THE REGRESSION COEFFICIENT AND CORRELATION COEFFICIENT.=
(3A) REGRESSION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -EP OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB
ELECTROPHORETIC PATTERN.=
(5) 1620, 20K, TAPE FORTRAN FORMAT

OGBORE- -FMC OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB
FACTOR MULTIPLIER, 7 COLUMN.=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORCOM

OGBORE- -FMM OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB
FACTOR MULTIPLIER--MULTIPLIES VARIABLE NUMBER OF CHANNELS BY A COMMON FACTOR.=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -HEP OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB
IN-HOUR EQUATION--A PROGRAM TO DETERMINE EXCESS REACTIVITY WHEN REACTOR PERIOD IS KNOWN.=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -IA OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE OMAHA NEB
ISOTOPE ACCOUNTABILITY.=
(4) RADIATION BIOLOGY (5) 1620, 20K FORTRAN FORMAT

OGBORE- -IRT OGBORN RE
VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE OMAHA NEB
INFORMATION RETRIEVAL THIS PROGRAM SEARCHES 3-CARD DESCRIPTOR OF ARTICLE TO PREPARE BIBLIOGRAPHY WITH 1 TO 6 REQUIREMENTS FOR INCLUSION.=
(4) INFORMATION RETRIEVAL (5) 1620, 20K FORCOM

OGBORE- -LRA OGBORN RE
VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE OMAHA NEB
LINEAR REGRESSION ANALYSIS OF ALL COMBINATIONS OF VARIABLES.=
(3A) REGRESSION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

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VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE
OMAHA NEB
LEAST SQUARE. FINDS LINEAR EQUATION Y EQUALS MX PLUS B.=
(3A) REGRESSION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -MCM OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
OMAHA NEB
MATRIX COEFFICIENT AND MASS RATIO GENERATOR--A PROGRAM WHICH PREPARES MATRIX COEFFICIENTS AND MASS RATIOS FOR ELEVEN ELEMENT ANALYSIS PROGRAM.=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -MDS OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
OMAHA NEB
MASS DETERMINATION BY STRIPPING, SIMPLIFIED VERSION.=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -NTG OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
OMAHA NEB
NORMAL TABLE GENERATOR.=
(3A) STATISTICS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -P OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
OMAHA NEB
PROBABILITY.=
(3A) PROBABILITY (5) 1620, 20K FORTRAN FORMAT

OGBORE- -PAP OGBORN RE
VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE
OMAHA NEB
PROBIT ANALYSIS PART I.=
(3A) PROBIT ANALYSIS (4) LETHAL DOSE RATE ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -PMS OGBORN RE
VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE
OMAHA NEB
PROGRAM FOR MEANS AND STANDARD DEVIATIONS FROM SINGLE CARD.=
(3A) DESCRIPTIVE STATISTICS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -POF OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
OMAHA NEB
PHASE ONE FLUX CORRECTED--A PROGRAM TO COMPUTE A STANDARD SPECTRUM FROM VARIABLE NUMBER OF CASES.=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -PTP OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
OMAHA NEB
PHASE TWO--A PROGRAM TO COMPUTE HALF-LIFE OF EACH CHANNEL OF A SPECTRUM.=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN FORMAT

OGBORE- -RCI OGBORN RE

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                    VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
                    OMAHA NEB
                  REACTOR CREATED ISOTOPE PRODUCTION AND DISPOSITION RECORD
                    --COMPUTES ACTIVITY OF SAMPLE, PRODUCED AND DISPOSED WITH
                    DETAIL AND/OR CONSOLIDATED INFORMATION.=
                  (5) 1620, 20K FORCOM
OGBORE-   -RCV    OGBORN RE
                    VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
                    OMAHA NEB
                  RED CELL VOLUME.=
                  (5) 1620, 20K, TAPE FORTRAN FORMAT
OGBORE-   -RIC    OGBORN RE
                    VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
                    OMAHA NEB
                  REGION ISOTOPE CONTENT.=
                  (4) IRRADIATION STUDIES (5) 1620, 20K, TAPE FORTRAN
                    FORMAT
OGBORE-   -SAP    OGBORN RE
                    VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
                    OMAHA NEB
                  SPECTRA ADDER--A PROGRAM WHICH ADDS INDIVIDUAL SPECTRA
                    TO CREATE A THEORETICAL COMPOSITE SPECTRUM.=
                  (4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN
                    FORMAT
OGBORE-   -SAV    OGBORN RE
                    VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
                    OMAHA NEB
                  SAMPLE ACTIVITY--VARIABLE TIME--A COMPUTER PROGRAM TO
                    DETERMINE ACTIVITY OF NEURON IRRADIATED SAMPLE FOR
                    VARIABLE IRRADIATION TIMES.=
                  (4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN
                    FORMAT
OGBORE-   -SLL    OGBORN RE
                    VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE
                    OMAHA NEB
                  SEMI-LOG LEAST SQUARE METHOD.=
                  (3A) REGRESSION ANALYSIS (5) 1620, 20K FORTRAN FORMAT
OGBORE-   -SRM    OGBORN RE
                    VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE
                    OMAHA NEB
                  STATISTICAL ROUTINE (MEAN, STANDARD DEVIATION, T-TEST).=
                  (3A) STATISTICS (5) 1620, 20K FORTRAN FORMAT
OGBORE-   -SSA    OGBORN RE
                    VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
                    OMAHA NEB
                  SATURATION, SPECIFIC ACTIVITY, FLUX, SAMPLE ACTIVITY--THE
                    PROGRAM DETERMINES EITHER SATURATION, SPECIFIC ACTIVITY
                    OR SAMPLE ACTIVITY OF A SAMPLE OR THE NEUTRON FLUX
                    THAT THE SAMPLE WAS EXPOSED TO.=
                  (4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K, TAPE FORTRAN
                    FORMAT
OGBORE-   -SSR    OGBORN RE
                    VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
                    OMAHA NEB
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STACY SPECIAL (REACTOR ISOTOPE ACCOUNT)--THE PROGRAM
PREPARES YEAR TOTAL OF ACTIVITY PER ELEMENT.=
(4) GENERATION OF RECORDS AND/OR REPORTS (5) 1620,
20K FORTRAN FORMAT

OGBORE- -TST OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
OMAHA NEB
TWO SIGMA TEST FOR THREE AREAS AND NTAPES--A PROGRAM WHICH
COMPUTES MEAN, STANDARD DEVIATION, AND COMPARES EACH
SAMPLE AGAINST PLUS OR MINUS 2 SIGMA (CHAUVENET TEST).=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN
FORMAT

OGBORE- -TTF OGBORN RE
VA HOSP RADIOISOTOPE SVCE OMAHA NEB
T-TEST, F-TEST, CHI-SQUARE TEST.=
(3A) STATISTICS (5) 1620, 20K, FORTRAN FORMAT

OGBORE- -VAU OGBORN RE
VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE
OMAHA NEB
VARIANCE ANALYSIS (FROM UCRBL 0014).=
(3A) ANALYSIS OF VARIANCE (5) 1620, 20K FORTRAN FORMAT

OGBORE-01-MDS OGBORN RE
VA HOSPITAL RADIOISOTOPE SERVICE 4101 WOOLWORTH AVE
OMAHA NEB
MASS DETERMINATION BY STRIPPING--A PROGRAM TO SOLVE
COMPOSITE SAMPLE OF RADIOACTIVITY BY FINDING CLEAR
PEAK RATIOS AND STRIPPING ELEMENTS OFF COMPOSITE.=
(4) NEURON ACTIVATION ANALYSIS (5) 1620, 20K FORTRAN 01
FORMAT

OGBORE-01-PAP OGBORN RE
VA HOSPITAL RADIOISOTOPE SVCE 4101 WOOLWORTH AVE
OMAHA NEB
PROBIT ANALYSIS PART II.=
(3A) PROBIT ANALYSIS (4) LETHAL DOSE RATE ANALYSIS 01
(5) 1620, 20K FORTRAN FORMAT

OVERJE- -ACC OVERALL JE
U OF TEX MED BRANCH RESEARCH COMPUTATION CTR GALVESTON
AUTO AND CROSS CORRELATION ANALYSIS OF MULTIPLE TIME SERIES.
(3A) CORRELATION (4) TIME SERIES (5) IBM 1620 IBM 1410

OVERJE- -BCP OVERALL JE
U OF TEX RESEARCH COMPUTATION CTR GALVESTON TEX
BAYESIAN CONDITIONAL PROBABILITY DIAGNOSTIC CLASSIFICATION.=
(3A) CONDITIONAL PROBABILITY (4) DIAGNOSIS (5) IBM 1620
IBM 1410

OVERJE- -EDF OVERALL JE
U OF TEX MEDICAL BRANCH RESEARCH COMPUTATION CTR
GALVESTON TEX
EUCLIDIAN DISTANCE FUNCTION CLASSIFICATION.=
(5) IBM 1620, IBM 1410

OVERJE- -FAC OVERALL JE
U OF TEX MED BRANCH RESEARCH COMPUTATION CTR GALVESTON
FREQUENCY ANALYSIS OF CORRELOGRAM FUNCTIONS.=
(3A) FREQUENCY ANALYSIS (5) IBM 1620 IBM 1410

OVERJE- -FAQ OVERALL JE

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U OF TEXAS MED BRANCH RESEARCH COMPUTATION CTR
GALVESTON TEX
FREQUENCY ANALYSIS OF QUALITATIVE DATA WITH CHI-SQUARE TESTS.=
(3A) TEST OF HYPOTHESES (5) IBM 1620 IBM 1410

OVERJE- -GLC OVERALL JE
U OF TEX MED BRANCH RESEARCH COMP CTR GALVESTON TEX
GENERAL LINEAR COMPONENTS ANALYSIS.=
(3A) COMPONENT ANALYSIS (5) IBM 1620 IBM 1410

OVERJE- -IDF OVERALL JE
U OF TEX MED BRANCH RESEARCH COMP CTR GALVESTON TEX
INTERBATTERY DIAD FACTOR ANALYSIS.=
(3A) FACTOR ANALYSIS (4) BEHAVIORAL SCIENCES-PSYCHOLOGY (5) IBM 1620 IBM 1410

OVERJE- -LSL OVERALL JE
U OF TEX RESEARCH COMP CTR GALVESTON TEX
LEAST SQUARES LINEAR, EXPONENTIAL AND POWER CURVE FITTING.=
(3A) CURVE FITTING (5) IBM 1620, IBM 1410

OVERJE- -MCA OVERALL JE
U OF TEXAS RESEARCH COMPUTATION CTR GALVESTON TEX
MULTIPLE COVARIANCE ANALYSIS.=
(3A) ANALYSIS OF COVARIANCE (3B) UP TO 10 COVARIATES (5) IBM 1620 IBM 1410

OVERJE- -MPI OVERALL JE
U OF TEXAS MED BRANCH RESEARCH COMPUTATION CTR
GALVESTON TEX
MULTIPLE PAIRED AND INDEPENDENT T-TESTS FOR UP TO 10 VARIABLES REPEATED OVER TIME.=
(3A) TEST OF HYPOTHESES (3B) UP TO 10 VARIABLES (5) IBM 1620, IBM 1410

OVERJE- -MRP OVERALL JE
U OF TEX RESEARCH COMP CTR GALVESTON TEX
MULTIPLE REGRESSION PROGRAM.=
(3A) REGRESSION ANALYSIS (3B) UP TO 20 INDEPENDENT VARIABLES, UP TO 5 DEPENDENT VARIABLES (5) IBM 1620, IBM 1410

OVERJE- -NVP OVERALL JE
U OF TEX MEDICAL BRANCH RESEARCH COMPUTATION CTR
GALVESTON TEX
NORMALIZED VECTOR PRODUCT MULTIVARIATE PROFILE CLASSIFICATION.=
(3A) PROFILE ANALYSIS (4) PROFILE CLASSIFICATION PSYCHOLOGY (5) IBM 1620, IBM 1410

OVERJE- -NVR OVERALL JE
U OF TEX MED BRANCH RESEARCH COMP CTR GALVESTON TEX
NORMALIZED VARIMAX ROTATION OF FACTOR SOLUTIONS.=
(3A) FACTOR ANALYSIS (4) BEHAVIORAL SCIENCES-PSYCHOLOGY (5) IBM 1620 IBM 1410

OVERJE- -OPT OVERALL JE
U OF TEX RESEARCH COMP CTR GALVESTON TEX
ORTHOGONAL POLYNOMIAL TREND ANALYSIS.=
(5) IBM 1620, IBM 1410

OVERJE- -OWA OVERALL JE

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                    U OF TEXAS RESEARCH COMPUTATION CTR GALVESTON TEX
                ONE-WAY ANALYSIS OF VARIANCE.=
                (3A) ANALYSIS OF VARIANCE (3B) UP TO 20 VARIABLES
                  (5) IBM 1620 IBM 1410
OVERJE-   -PAF  OVERALL JE
                    U OF TEX MED BRANCH RESEARCH COMP CTR GALVESTON TEX
                PRINCIPAL AXES FACTOR ANALYSIS.=
                (3A) FACTOR ANALYSIS (4) BEHAVIORAL SCIENCES-PSYCHOLOGY
                  (5) IBM 1620 IBM 1410
OVERJE-   -PCC  OVERALL JE
                    U OF TEX MEDICAL BRANCH RESEARCH COMPUTATION CTR
                    GALVESTON TEX
                PROFILE CORRELATION CLASSIFICATION.=
                (3A) PROFILE ANALYSIS (4) PSYCHOLOGY (5) IBM 1620 IBM 1410
OVERJE-   -PMC  OVERALL JE
                    U OF TEX MED BRANCH RESEARCH COMPUTATION CTR GALVESTON
                    TEX
                PRODUCT MOMENT CORRELATION MATRICES.=
                (3A) CORRELATION (5) IBM 1620, IBM 1410
OVERJE-   -PVF  OVERALL JE
                    U OF TEX MED BRANCH RESEARCH COMP CTR GALVESTON TEX
                POWERED VECTOR FACTOR ANALYSIS.=
                (3A) FACTOR ANALYSIS (4) BEHAVIORAL SCIENCES-PSYCHOLOGY
                  (5) IBM 1620 IBM 1410
OVERJE-   -SDA  OVERALL JE
                    U OF TEX MED BRANCH RESEARCH COMPUTATION CTR GALVESTON
                SPECTRAL DENSITY ANALYSIS OF TIME SERIES.=
                (3A) SPECTRAL DENSITY ANALYSIS (4) EEG ANALYSIS TIME
                  SERIES (5) IBM 1620 IBM 1410
OVERJE-   -SOW  OVERALL JE
                    U OF TEXAS RESEARCH COMPUTATION CTR GALVESTON TEX
                SIMPLE ONE-WAY ANALYSIS OF COVARIANCE.=
                (3A) ANALYSIS OF VARIANCE (3B) UP TO 20 VARIABLES (5) IBM
                  1620 IBM 1410
OVERJE-   -SRM  OVERALL JE
                    U OF TEX MED BRANCH RESEARCH COMPUTATION CTR GALVESTON
                SQUARE ROOT MATRIX INVERSION.=
                (3A) MATRIX ALGEBRA (5) IBM 1620, IBM 1410
OVERJE-   -STT  OVERALL JE
                    U OF TEXAS MED BRANCH RESEARCH COMPUTATION CTR
                    GALVESTON TEX
                STUDENT T-TEST.=
                (3A) TEST OF HYPOTHESES (3B) UP TO 100 DIFFERENT VARIABLES
                  (5) IBM 1620, IBM 1410
OVERJE-   -TCA  OVERALL JE
                    U OF TEX MED BRANCH RESEARCH COMPUTATION CTR GALVESTON
                TREND CORRECTED AUTO AND CROSS CORRELATION ANALYSIS.=
                (3A) AUTO AND CROSS CORRELATION (4) EEG ANALYSIS (5) IBM
                  1620 IBM 1410
OVERJE-   -TWA  OVERALL JE
                    U OF TEXAS RESEARCH COMPUTATION CTR GALVESTON TEX
                TWO-WAY ANALYSIS OF VARIANCE FOR UNEQUAL AND
                  DISPROPORTIONATE CELL FREQUENCIES.=
                (3A) ANALYSIS OF VARIANCE (5) IBM 1620 IBM 1410
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OVERJE-01-TWA OVERALL JE
U OF TEXAS RESEARCH COMPUTATION CTR GALVESTON TEX
THREE-WAY ANALYSIS OF VARIANCE FOR PROPORTIONATE CELL FREQUENCIES.=
(3A) ANALYSIS OF VARIANCE (3B) UP TO 20 VARIABLES 01
(5) IBM 1620 IBM 1410

OVERJE-02-TWA OVERALL JE
U OF TEXAS RÉSEARCH COMPUTATION CTR GALVESTON TEX
TWO-WAY ANALYSIS OF VARIANCE FOR PROPORTIONATE CELL FREQUENCIES.=
(3A) ANALYSIS OF VARIANCE (3B) UP TO 20 VARIABLES 02
(5) IBM 1620 IBM 1410

PARNBL- -ASR PARNELL BL
AF INST OF PATHOLOGY WASHINGTON DC
ACTUARIAL SURVIVAL RATE COMPUTATION.=
(5) MONROBOT XI

PARNBL- -MR PARNELL BL
AF INST OF PATHOLOGY WASHINGTON DC
MORTALITY RATES.=
(5) MONROBOT XI

PARNBL- -TFA PARNELL BL
AF INST OF PATHOLOGY WASHINGTON DC
TRIGONOMETRIC FUNCTIONS ACCORDING TO BRAGG'S LAW FOR THE ANALYSIS OF CRYSTAL STRUCTURES.=
(5) MONROBOT XI

PATTAL- -INA PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 10 'ABSORPTION FACTORS FOR A CRYSTAL GROUND AS AN ALLIPSOID OF REVOLUTION'.=
(4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O

PATTAL- -IND PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 11 'DATA REDUCTION FOR THE GE GENIOSTAT'.=
(4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O

PATTAL- -INF PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 6 'FOURIER DATA TAPE MAKER'.=
(4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O

PATTAL- -INI PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 13-14 'INTERATOMIC DISTANCES AND ANGLES'.=
(4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O

PATTAL- -INL PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 8 'LEAST-SQUARE PLANE PROGRAM'.=
(3A) PLANE REGRESSION (4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O

PATTAL- -INM PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 15 'MINIMUM FUNCTION PROGRAM'.=
(4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O

PATTAL- -INP PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 9 'POINT-BY-POINT FOURIER IN ANY PLANE'.=

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(4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O

PATTAL- -INS PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 4 'STRUCTURE FACTOR PROGRAM AND LEAST-SQUARES SUM MAKER'.=
(4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O

PATTAL- -INT PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 1 'THREE AND TWO DIMENSIONAL FOURIER SUMMATION PROGRAM'.=
(3A) FOURIER SUMMATION (4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O

PATTAL- -INW PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 12 'WEISSENBERG DATA REDUCTION ROUTINE'.=
(4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O

PATTAL-01-INL PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 7 'LEAST-SQUARES SUM SOLVER AND PARAMETER SHIFTER'.=
(3A) LEAST SQUARES (4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O 01

PATTAL-01-INS PATTERSON AL
INST FOR CANCER RESEARCH 7701 BURHOLME AVE PHILA PA
ICR NO 2 'SINGLE CRYSTAL ORIENTER (GENIOSTAT) COORDINATES'.=
(4) CANCER RESEARCH (5) IBM 1620, 20K, PAPER TAPE I/O 01

PETETI- -NLE PETERSON TI
IBM, MATHEMATICS AND APPLICATIONS DEPT NYC
A NON-LINEAR ESTIMATION PROGRAM.=
(3A) LEAST SQUARES (5) IBM 704, 8K, SAP (6) AMERICAN INST OF CHEMICAL ENG 25 W 45 ST NYC

PIPBHV- -UCI PIPBERGER HV
VA HOSPITAL WASHINGTON DC
USE OF COMPUTERS IN INTERPRETATION OF ELECTROCARDIOGRAMS.=
(3A) PATTERN RECOGNITION (4) CARDIOGRAPHY (5) IBM 7090 NBS (6) STALLMAN FW, PIPBERGER HV--AUTOMATIC RECOGNITION OF ELECTROCARDIOGRAPHIC WAVES BY DIGITAL COMPUTER. CIRCULATION RESEARCH VOL 9 P 1138 1961

POWEWE- -RDI POWERS WE
U OF WASHINGTON SCHOOL OF MEDICINE ST LOUIS MO
RADIATION DISTRIBUTION OF IMPLANTS.=
(3B) NUMBER OF NEEDLES LESS THAN OR EQUAL TO 25-NUMBER OF DIFF NEEDLES LESS THAN OR EQUAL TO 20-NUMBER OF DIFF SHIELDS LESS THAN OR EQUAL TO 5-NUMBER OF DIFF ISOTOPES LESS THAN OR EQUAL TO 5 (4) RADIATION BIOLOGY (5) IBM 7072, 10K, FLAG SYSTEM

PR LLI- -AVC PR LIB--MONROBOT XI
ANALYSIS OF VARIANCE AND COVARIANCE.=
(3A) ANALYSIS OF VARIANCE AND COVARIANCE (5) MONROBOT XI

PR LLI- -CST PR LIB--MONROBOT XI
CHI-SQUARE TEST.=
(3A) TEST OF HYPOTHESES (5) MONROBOT XI

PR LLI- -LSA PR LIB--MONROBOT XI
LEAST SQUARES APPROXIMATION WITH FLOATING POINT.=
(3A) LEAST-SQUARES ESTIMATION (5) MONROBOT XI

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PR LLI-   -RCA   PR LIB--MONROBOT XI
                 REGRESSION AND CORRELATION ANALYSIS.=
                 (3A) REGRESSION AND CORRELATION ANALYSIS (5) MONROBOT XI
PR LLI-   -SST   PR LIB--MONROBOT XI
                 STUDENT'S T-TEST.=
                 (3A) TEST OF HYPOTHESES (5) MONROBOT XI
PULLG -   -PHA   PULLEY G
                     OKLAHOMA STATE U COMPUTING CTR STILLWATER OKLA
                 A PROGRAM FOR HIERARCHICAL ANALYSIS OF VARIANCE, HI-AOV.=
                 (3A) ANALYSIS OF VARIANCE (3B) UP TO TEN VARIABLES
                   SIMULTANEOUSLY (5) IBM 650, IAS CORE, 3 INDEX REGISTERS,
                   FLOATING POINT, IBM 533 READ-PUNCH UNIT
RCA EL-   -EA    RCA ELECTRONIC DATA PROCESSING DIV
                     CAMDEN NJ
                 EEG ANALYSIS.=
                 (3A) LINEAR DISCRIMINANT FUNCTION ANALYSIS (3B) SIX
                   CHANNELS (4) EEG ANALYSIS (5) RCA 354 (6) PRELIMINARY
                   ANNU REPORT FEB 1963
RHEIWC-   -MMP   RHEINVOLDT WC
                     U OF MD COMPUTER SCIENCE CTR COLLEGE PARK MD
                 A MATHEMATICAL MODEL OF THE PROPAGATION PROCESS OF
                   STIMULI OVER HEART TISSUE.=
                 (5) IBM 650 TAPE IBM 7090
ROSEG -   -CTO   ROSE G
                     NYU COMPUTER CTR 400 E 34 ST NYC
                 CROSS-TABULATION (WITH OR WITHOUT CHI-SQUARE).=
                 (5) CDC 1604
ROSEG -   -FAR   ROSE G
                     NYU COMPUTER CTR 400 E 34 ST NYC
                 FACTOR ANALYSIS (REAL OR COMPLEX).=
                 (3A) FACTOR ANALYSIS (4) PSYCHOLOGY (5) CDC 1604
ROSEG -   -MGD   ROSE G
                     NYU COMPUTER CTR NYC
                 MULTIPLE GROUP DISCRIMINANT ANALYSIS.=
                 (3A) DISCRIMINANT ANALYSIS (5) CDC 1604
ROSEG -   -SFA   ROSE G
                     NYU COMPUTER CTR NYC
                 SPECTRAL AND FOURIER ANALYSIS.=
                 (3A) FOURIER ANALYSIS (4) EEG ANALYSIS TIME SERIES (5) CDC
                   1604
ROSEG -   -SRR   ROSE G
                     NYU COMPUTER CTR 400 E 34 ST NYC
                 STEPWISE REGRESSION (REAL OR COMPLEX).=
                 (3A) REGRESSION (5) CDC 1604
ROSEG -   -VST   ROSE G
                     NYU COMPUTER CTR 400 E 34 ST NYC
                 VECTOR SIGNIFICANCE TESTS.=
                 (3A) FACTOR ANALYSIS (5) CDC 1604
ROSEMA-   -FFC   ROSENFELD MA
                 FREQUENCY FUNCTION COMPUTATIONS.=
                 (3A) BASIC STATISTICS COMPUTATION (3B) TRANSFORMATION OF
                   INPUT DATA ALLOWED, UP TO 8000 ITEMS OF UNGROUPED DATA
                   UP TO 100 CLASSES OF GROUPED DATA (5) IBM 704, 32K,
                   6 TAPES, BENSON-LEHNER MODEL J-ELECTROPLOTTER-FORTRAN
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(6) AMERICAN INST OF CHEM ENGRS 25 W 45 ST NYC

SAKOJM- -AWA SAKODA JM
BROWN U DEPT SOCIOLOGY AND ANTHROPOLOGY PROVIDENCE RI
ANVA4--A 4-WAY ANALYSIS OF VARIANCE PROGRAM.=
(3A) ANALYSIS OF VARIANCE (5) FORTRAN

SAKOJM- -CFC SAKODA JM
BROWN U DEPT OF SOCIOLOGY AND ANTHROPOLOGY PROVIDENCE RI
COUNT-A FREQUENCY COUNT DISTRIBUTION PROGRAM USING UNIT CLASS INTERVALS.=
(3A) FREQUENCY COUNT (5) FORTRAN

SAKOJM- -CPC SAKODA JM
BROWN U DEPT OF SOCIOLOGY AND ANTHROPOLOGY PROVIDENCE RI
COR70-- A PROGRAM TO CALCULATE PRODUCT MOMENT CORRELATION COEFFICIENTS.=
(3A) CORRELATION (3B) UP TO 70 VARIABLES, OUTPUT INCLUDES MEANS, STD DEV, CORRELATION MATRIX (5) FORTRAN

SAKOJM- -GGC SAKODA JM
BROWN U DEPT OF SOCIOLOGY AND ANTHROPOLOGY PROVIDENCE RI
GCODE-GENERAL CODING AND FREQUENCY DISTRIBUTION ROUTINE.=
(5) FORTRAN

SAKOJM- -MMC SAKODA JM
BROWN U DEPT OF SOCIOLOGY AND ANTHROPOLOGY PROVIDENCE RI
MCORR--A MULTIPLE CORRELATION AND REGRESSION ANALYSIS.=
(3A) REGRESSION ANALYSIS (3B) UP TO 29 INDEPENDENT VARIABLES (5) FORTRAN

SAKOJM- -TTS SAKODA JM
BROWN U DEPT OF SOCIOLOGY AND ANTHROPOLOGY PROVIDENCE RI
TABSM-A TABLE SUMMARY PROGRAM WHICH MAKES TABLES FOR ALL POSSIBLE COMBINATIONS OF CONTROL VARIABLES.=
(5) FORTRAN

SAKOJM- -XGC SAKODA JM
BROWN U DEPT OF SOCIOLOGY AND ANTHROPOLOGY PROVIDENCE RI
XCLAS-A GENERA CROSS CLASSIFICATION PROGRAM WHICH CROSS-CLASSIFIES GIVEN VARIABLES BY OTHER VARIABLES.=
(5) FORTRAN

SAKOJM- -ZCZ SAKODA JM
BROWN U DEPT OF SOCIOLOGY AND ANTHROPOLOGY PROVIDENCE RI
Z CCOR A ZERO CELL CORRELATION ROUTINE THAT COMPUTES CORR COEFF.=
(3A) CORRELATION ANALYSIS (3B) ALLOWS FOR MISSING DATA (5) FORTRAN

SAUNDR- -PFB SAUNDERS DR
EDUCATIONAL TESTING SVCE PRINCETON NJ
A PROGRAM TO FIND BEST FITTING ORTHOGONAL FACTORS FOR A GIVEN HYPOTHESIS.=
(3A) FACTOR ANALYSIS (4) PSYCHOLOGY (5) IBM 650 (6) BEHAVIORAL SCIENCE VOL 5 P 272 JULY 1960

SCHAKW- -UUM SCHAIE KW
U OF NEBRASKA COMPUTING CTR LINCOLN NEB
UN 14, UN 36 MULTIVARIATE PREDICTION PROGRAMS.=
(3A) CORRELATION (4) BEHAVIORAL SCIENCE (5) BURROUGHS 205, CARDS (6) BEHAVIORAL SCIENCE VOL 8 P 170-172 APRIL 1963

SCHAKW- -UUU SCHAIE KW
U OF NEBRASKA COMPUTING CTR LINCOLN NEB

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UN-12, UN-13, UN-15, UN-16, UN-17 PRODUCT MOMENT CORRELATION PROGRAMS.=
(3A) CORRELATION (5) BURROUGHS 205, CARDS (6) BEHAVIORAL SCIENCE VOL 7 P 499-500 OCT 1962

SCHRND- -PTS SCHROLLER ND
COMPUTER CTR CORPUS CHRISTI TEX
A PROGRAM FOR TIME SERIES COMPONENTS ANALYSIS.=
(3A) TIME SERIES (3B) UP TO 48 MONTHS OF DATA (4) ECO FORECASTING (5) BURROUGHS 205 PAPER TAPE INPUT NUMERIC CARD OUTPUT MACHINE LANGUAGE (6) SHISKIN ELECTRONIC COMPUTERS AND BUSINESS INDICATORS OCCASIONAL PAPER 57 PUBL NAT BUR ECO RESEARCH

SHAP - -EPA SHAPIRO
WASHINGTON U SEVER INSTITUTE OF TECH ST LOUIS MO
--(PR LIB) WASHINGTON U COMPUTING FACILITIES
AN EEG PERIOD ANALYSIS PROGRAM.=
(3A) FREQUENCY COUNTS OF BASE LINE CROSSINGS ZERO CROSSINGS OF FIRST DERIVATIVE (3B) TYPEWRITER OUTPUT--MAX OF 15 VARIABLE FREQ BANDS (4) EEG ANALYSIS (5) IBM 1620/1311, 40K, MONITOR 1

SHAPDM- -EPA SHAPIRO DM
WASHINGTON U SEVER INST OF TECH ST LOUIS MO--(PR LIB) WASHINGTON U COMPUTING FACILITIES
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(3B) ADDITIONAL OUTPUT FOR GRAPHING ON 1620 BY MEANS OF DISK (4) EEG ANALYSIS (5) IBM 7072, 6 TAPES, 10K FLAG SYSTEM FORTRAN

SHUMKE- -CCP SHUMATE KE
WASHINGTON U SEVER INSTITUTE OF TECH ST LOUIS MO
--(PR LIB) WASHINGTON U COMPUTING FACILITIES
A CANONICAL CORRELATION PRGM.=
(3A) CANONICAL ANALYSIS (3B) NO OF VARIABLES ON LEFT (M1) LESS THAN 26 NO OF VARIABLES ON RIGHT (M2) LESS THAN 26 M1 PLUS M2 LESS THAN 51 (4) BEHAVIORAL SCIENCES CORRELATION BETWEEN CRITERIA AND PREDICTOR MEASURES (5) IBM 7072 10K TAPE FLAG SYSTEM FORTRAN

SHUMKE- -EMR SHUMATE KE
U OF WASHINGTON SEVER INST OF TECH ST LOUIS MO--(PR LIB) U OF WASHINGTON COMPUTER CTR
EXPERIMENTAL MULTIPLE REGRESSION ANALYSIS PROGRAM, XRAP.=
(3A) REGRESSION ANALYSIS (3B) OBSERVATIONS LESS THAN 10,000, VARIABLES LESS THAN 72, TRANSFORMED VARIABLES LESS THAN 100 (5) IBM 7072, 10K, 5 OR 6 TAPE DRIVES ONLINE

SMITWN- -PCM SMITH WN
DOW CHEMICAL CO FREEPORT TEX
A PROGRAM COMPARISON OF MEANS (SCHEFFE TEST).=
(3A) TESTS OF HYPOTHESES (3B) UP TO 500 DATA PER SET, UP TO 500 DATA PER SET, UP TO 100 SETS OF DATA (5) BURROUGHS 205, FLOATING POINT, CARD, PSEUDO CODE (6) AMERICAN INST CHEMICAL ENG 25 W 45 ST NYC

SMITWN- -PDO SMITH WN
A PROGRAM FOR THE DESIGN OPTIMUM MULTIFACTORIAL EXPERIMENTS
A PROGRAM FOR THE DESIGN OF OPTIMUM MULTIFACTORIAL

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EXPERIMENTS.=
(3A) STEEPEST ASCENT, ANALYSIS OF VARIANCE (4) STATISTICAL DESIGN OF EXPERIMENTS (5) IBM 650, SOAP 1, BURROUGHS 205 MACHINE LANGUAGE (6) PLACKETT RL, BURMAN JP 'DESIGN OF OF OPTIMUM MULTIFACTORIAL EXPERIMENTS' BIOMETRIKA 1946 VOL 33 P 305-325

STEIFE- -CA STEIDLER FE
PRODUCTS RESEARCH DIV ESSO RESEARCH AND ENG CO LINDEN NJ
CANONICAL ANALYSIS.=
(3A) CANONICAL ANALYSIS (3B) UP TO 100 VARIATES (4) BEHAVIORAL SCIENCES CORRELATION BETWEEN CRITERIA AND PREDICTOR MEASURES (5) IBM 7090, 32K, 5 TAPES (6) AMER INST CHEM ENG 25 W 45 ST NYC

STEIFE- -MRA STEIDLER FE
ESSO RESEARCH AND ENGINEERING PRODUCTS RESEARCH DIV LINDEN NJ
MULTIPLE REGRESSION ANALYSIS.=
(3A) REGRESSION (3B) UP TO 130 VARIABLES (5) IBM 7090, 32K 6 TAPES FORTRAN II (6) BEHAVIORAL SCIENCE VOL 8 P 174 APRIL 1963 AMERICAN INST OF CHEMICAL ENGRS 25 W 45 ST NYC

STEIFE- -PCF STEIDLER FE
PRODUCTS RESEARCH DIV ESSO RESEARCH AND ENG CO LINDEN NJ
A PRINCIPAL COMPONENT AND FACTOR ANALYSIS PROGRAM.=
(3A) VON NEUMANN-GOLDSTINE MODIFICATION OF THE JACOBI METHOD FACTOR ANALYSIS (5) IBM 7090, 32K, 6 TAPES FORTRAN II (6) AMERICAN INST CHEMICAL ENG 25 W 45 ST NYC

STERT - -IMI STERLING T
U OF CINCINNATI MED COMP CTR COL OF MED CINCINNATI O
IMP021--A MATRIX INVERSION PROGRAM.=
(3A) MATRIX ALGEBRA (3B) UP TO A 12BT 12 MATRIX--OUTPUT IN FLOATING POINT (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY AND MED PART 1 STATISTICAL SYSTEMS

STERT - -MAC STERLING T
U OF CINCINNATI COLLEGE OF MED, MEDICAL COMPUTING CTR CINCINNATI O
IMP018--AN ANALYSIS OF COVARIANCE PROGRAM FOR A MULTIGROUP SYSTEM.=
(3A) ANALYSIS OF COVARIANCE (3B) SIX DIGIT DATA WITH UP TO 99,999 TOTAL NUMBER OF OBSERVATIONS (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY AND MED PART 1 STATISTICAL SYSTEMS

STERT - -MCC STERLING T
U OF CINCINNATI MED COMPUTING CTR COLLEGE OF MED CINCINNATI O
IMP002 A CORRELATION COEFFICIENTS PROGRAM THAT COMPUTES THE COEFFICIENTS FOR ASYMMETRICAL PAIRED DATA GROUPINGS.=
(3A) CORRELATION ANALYSIS (3B) UP TO 15 VARIABLES (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY AND MED PART I STATISTICAL SYSTEMS

STERT - -MFD STERLING T
U OF CINCINNATI COLLEGE OF MED MEDICAL COMPUTING CTR CINCINNATI O

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1MP003-A FREQUENCY DISTRIBUTION PROGRAM.=
(3B) ONE VARIABLE AT A TIME UP TO 99,999 OBSERVATIONS
ANSWERS GIVEN TO FIVE DECIMAL PLACES. UP TO 15 INTERVALS
MAY BE HANDLED (5) IBM 1401 4K (6) MEDCOMP HANDBOOK OF
COMPUTER APPLICATIONS IN BIOLOGY AND MED PART I
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STERT - -MFS STERLING T
U OF CINCINNATI COLLEGE OF MED MEDICAL COMPUTING
CTR CINCINNATI O
1MP016--FISHER'S EXACT TEST TO TEST THE PROBABILITY OF THE
FREQUENCIES IN THE CELLS COMING FROM DIFFERENT
POPULATIONS.=
(3A) TEST OF STATISTICAL HYPOTHESES (3B) UP TO 100
OBSERVATIONS (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF
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STATISTICAL SYSTEMS

STERT - -MHG STERLING T
U OF CINCINNATI COLLEGE OF MED MEDICAL COMPUTING CTR
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1MP022-A HISTOGRAM GENERATING PROGRAM.=
(3B) INPUT REQUIRED-RANGE AND LOCATION OF DATA, INTERVAL
SIZE UP TO 100 INTERVALS WITH AS MANY AS 50 OBSERVATIONS
PER INTERVAL (5) IBM 1401 4K (6) MEDCOMP HANDBOOK OF
COMPUTER APPLICATIONS IN BIOLOGY AND MED PART I
STATISTICAL SYSTEMS

STERT - -MLF STERLING T
U OF CINCINNATI O MED COMPUTING CTR COLLEGE OF MEDICINE
1MP004 A LINEAR FIT PROGRAM WITH T-TEST.=
(3A) REGRESSION ANALYSIS (5) IBM 1401, 4K (6) MEDCOMP
HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY AND MED
PART 1 STATISTICAL SYSTEMS

STERT - -MLS STERLING T
U OF CINCINNATI COL OF MED MEDICAL COMPUTING CTR
CINCINNATI O
1MP007--A LATIN SQUARE PROGRAM.=
(3A) ANALYSIS OF VARIANCE (3B) UP TO A 10 BY 10 MATRIX
(4) EXPERIMENTAL DESIGN (5) IBM 1401, 4K (6) MEDCOMP
HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY AND MED
PART 1 STATISTICAL SYSTEMS

STERT - -MMR STERLING T
U OF CINCINNATI O COLLEGE OF MEDICINE MEDICAL COMPUTING
1MP012--A MULTIPLE REGRESSION PROGRAM.=
(3A) REGRESSION ANALYSIS (3B) UP TO 20 INDEPENDENT
VARIABLES (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF
COMPUTER APPLICATIONS IN BIOLOGY AND MED PART I
STATISTICAL SYSTEMS

STERT - -MMT STERLING T
U OF CINCINNATI COLLEGE OF MED MEDICAL COMPUTING
CTR CINCINNATI O
1MP015--MARSHALL TEST PROGRAM TESTS THE HYPOTHESIS THAT
ONE OF TWO RANDOM VARIABLES IS STOCHASTICALLY LARGER
THAN THE OTHER.=
(3A) TEST OF STATISTICAL HYPOTHESES (3B) UP TO 99,999
PIECES OF 5 DIGIT DATA FOR EACH OF THE TWO VARIABLES

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DIVIDED IN AS MANY AS 20 CELLS (5) IBM 1401, 4K
(6) MEDCOMP HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY
AND MED PART 1 STATISTICAL SYSTEMS

STERT - -MOW STERLING T
U OF CINCINNATI COLLEGE OF MED, MEDICAL COMPUTING
CTR CINCINNATI O
1MP005--ONE WAY ANALYSIS OF VARIANCE PROGRAM THAT
COMPUTES MEANS, STO. ERROR, VARIANCE BETWEEN AND
WITHIN GROUPS, COMPARES WITH F-TEST.=
(3A) TEST OF STATISTICAL HYPOTHESIS, ANALYSIS OF VARIANCE
(3B) UP TO 100 GROUPS (5) IBM 1401, 4K (6) MEDCOMP
HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY AND MED
PART I STATISTICAL SYSTEMS

STERT - -MPC STERLING T
U OF CINCINNATI COLLEGE OF MED, MEDICAL COMPUTING
CTR CINCINNATI O
1MP008--A PROGRAM TO COMPUTE SUMMARY TABLE FOR REPLICATED
2 WAY ANALYSIS OF VARIANCE.=
(3A) TEST OF STATISTICAL HYPOTHESES, ANALYSIS OF VARIANCE
(3B) DATA ENTERED IN 6 DIGIT FORM, UP TO A 10 ROW BY 20
COLUMN NETWORK, UP TO 10,000 OBSERVATIONS PER ROW
AND 1000 PER COLUMN (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK
OF COMPUTER APPLICATIONS IN BIOLOGY AND MED PART I
STATISTICAL SYSTEMS

STERT - -MPD STERLING T
U OF CINCINNATI COLLEGE OF MED, MEDICAL COMPUTING
CTR CINCINNATI O
1MP006--A PROGRAM TO DEVELOP AND PRINT A SUMMARY TABLE FOR
UNREPLICATED 2 WAY ANALYSIS OF VARIANCE.=
(3A) TEST OF STATISTICAL HYPOTHESES, ANALYSES OF VARIANCE
(3B) UP TO 90 ROWS AND 90 COLUMNS (5) IBM 1401, 4K
(6) MEDCOMP HANDBOOK OF COMPUTER APPLICATIONS IN
BIOLOGY AND MED PART I STATISTICAL SYSTEMS

STERT - -MPF STERLING T
U OF CINCINNATI O MED COMPUTING CTR COLLEGE OF MEDICINE
1MP013 A POLYNOMIAL FIT PROGRAM.=
(3A) REGRESSION ANALYSIS (3B) UP TO 5 POLYNOMIALS AT LEAST
7 OBSERVATIONS OF THE DEPENDENT AND INDEPENDENT
VARIABLES (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF
COMPUTER APPLICATIONS IN BIOLOGY AND MED PART 1
STATISTICAL SYSTEMS

STERT - -MPT STERLING T
U OF CINCINNATI COLLEGE OF MED MEDICAL COMPUTING
CTR CINCINNATI O
1MP030--A PROGRAM TO TEST FOR DIFFERENCES BETWEEN MEANS
WITH HETEROGENEOUS VARIANCE.=
(3A) TEST OF STATISTICAL HYPOTHESES (3B) NO LIMIT ON NO OF
GROUPS (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF COMPUTER
APPLICATIONS IN BIOLOGY AND MED PART 1 STATISTICAL
SYSTEMS

STERT - -MQB STERLING T
U OF CINCINNATI COLLEGE OF MED MEDICAL COMPUTING
CTR CINCINNATI O
1MP02Q--BARTLETT TEST-A PROGRAM TO TEST WHETHER TWO OR

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                MORE VARIANCES DIFFER SIGNIFICANTLY (CHI-SQUARED).=
               (3A) TEST OF STATISTICAL HYPOTHESES (5) IBM 1401, 4K
                (6) MEDCOMP HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY
                AND MED PART 1 STATISTICAL SYSTEMS
STERT -  -MSP   STERLING T
                    U OF CINCINNATI COLLEGE OF MED MEDICAL COMPUTING CTR
                    CINCINNATI O
               1MP010-A SCATTER PROGRAM.=
               (3B) MAGNITUDE OF DATA BETWEEN 10 TO THE 5TH POWER TO
                10 TO THE MINUS 7TH POWER (5) IBM 1401, 4K (6) MEDCOMP
                HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY AND MED
                PART I STATISTICAL SYSTEMS
STERT -  -MWA   STERLING T
                    U OF CINCINNATI COLLEGE OF MED, MEDICAL COMPUTING
                    CTR CINCINNATI O
               1MP009--A 3 WAY ANALYSIS OF VARIANCE WITH AND WITHOUT
                REPLICATION.=
               (3A) TEST OF STATISTICAL HYPOTHESES, ANALYSIS OF VARIANCE
                (3B) INPUT DATA IN 5 DIGIT FORMAT, UP TO 5 ROWS,
                5 COLUMNS, 5 BLOCKS, UP TO 99 READINGS PER CELL
                (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF COMPUTER
                APPLICATIONS IN BIOLOGY AND MED PART 1 STATISTICAL
                SYSTEMS
STERT -  -TTT   STERLING T
                    U OF CINCINNATI COLLEGE OF MED MEDICAL COMPUTING
                    CTR CINCINNATI O
               T-TEST TO TEST THE SIGNIFICANCE OF THE DIFFERENCE
                BETWEEN TWO MEANS.=
               (3A) TEST OF STATISTICAL HYPOTHESIS (3B) UP TO 9999 PAIRS
                OF OBSERVATIONS (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK
                OF COMPUTER APPLICATIONS IN BIOLOGY AND MED PART 1
                STATISTICAL SYSTEMS
STERT -01-MPC   STERLING T
                    U OF CINCINNATI COLLEGE OF MED MEDICAL COMPUTING CTR
                    CINCINNATI O
               1MP001-A PROGRAM TO COMPUTE THE MEAN AND STANDARD
                DEVIATION OF SEVERAL VARIABLES AND THEIR 90 PERCENT AND
                98 PERCENT CONFIDENCE LIMITS.=
               (3A) MEANS AND STANDARD DEVIATIONS (3B) UP TO 6 DIGITS     01
                PER VARIABLE, UP TO 45 VARIABLES AND 9,999 OBSERVATIONS
                (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF COMPUTER
                APPLICATIONS IN BIOLOGY AND MED PART I STATISTICAL
                SYSTEMS
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                    U OF CINCINNATI COLLEGE OF MED, MEDICAL COMPUTING
                    CTR CINCINNATI O
               1MP027--A PROGRAM TO DEVELOP THE ANALYSIS OF VARIANCE FOR A
                REPLICATED TWO-DIMENSIONAL SYSTEM HAVING UNEQUAL
                NUMBER OF OBSERVATIONS IN THE CELLS.=
               (3A) TEST OF STATISTICAL HYPOTHESES, ANALYSIS OF VARIANCE 01
                (3B) UP TO 10 ROWS AND 20 COLUMNS, UP TO 10,000
                OBSERVATIONS PER ROW AND 1000 PER COLUMN (5) IBM 1401,
                4K (6) MEDCOMP HANDBOOK OF COMPUTER APPLICATIONS IN
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STERT -01-MPT STERLING T
U OF CINCINNATI MED COMPUTING CTR COLLEGE OF MED CINCINNATI O
1MP024 A PROGRAM THAT COMPUTES BISERIAL CORRELATION COEFFICIENTS FOR DISCRETE, BISTABLE (YES OR NO) DATA.=
(3A) CORRELATION ANALYSIS (3B) UP TO 10,000 ENTRIES PER CELL UP TO 19 X-Y SYSTEMS PER RUN (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY AND MED PART I STATISTICAL SYSTEMS 01

STERT -01-MWA STERLING T
U OF CINCINNATI COLLEGE OF MED, MEDICAL COMPUTING CTR CINCINNATI O
1MP028--3 WAY ANALYSIS OF VARIANCE WITH REPLICATION AND MISSING DATA.=
(3A) TEST OF STATISTICAL HYPOTHESES, ANALYSIS OF VARIANCE (3B) UP TO 9 ROWS, COLUMNS AND BLOCKS, UP TO 99 READINGS PER CELL (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY AND MED PART 1 STATISTICAL SYSTEMS 01

STERT -02-MPT STERLING T
U OF CINCINNATI COLLEGE OF MED MEDICAL COMPUTING CTR CINCINNATI O
1MP014-A PROGRAM THAT GENERATES FREQUENCY TABLES.=
(3B) UP TO 12 BY 12 TABLE (5) IBM 1401, 4K (6) MEDCOMP HANDBOOK OF COMPUTER APPLICATIONS IN BIOLOGY AND MED PART I STATISTICAL SYSTEMS 02

STERTD- -APR STERLING TD
U OF CINCINNATI MEDICAL COMPUTING CTR AND DEPT OF RADIOLOGY COLLEGE OF MED CINCINNATI O
AN AUTOMATION PROGRAM OF RADIATION TREATMENT PLANNING.=
(4) RADIOLOGY (5) IBM 1401 IBM 7040 (6) FOR PROGRAM WRITE AUTHOR

STOCFD- -PAV STOCKTON FD
A PROGRAM FOR ANALYSIS OF VARIANCE.=
(3A) ANALYSIS OF VARIANCE (3B) UP TO 1600 DATA ENTRIES (5) IBM 650, SOAP II, ALPHABETIC DEVICE (6) BEHAVIORAL SCIENCE VOL 8 P 370 OCT 1961, AMERICAN INST OF CHEM ENG 25 W 45 ST NYC

SULZES- -CDS SULZER ES
U OF MINN MED SCHOOL DEPT OF PSYCHIATRY AND NEUROLOGY MINNEAPOLIS MINN
COMPUTATION OF DIFFERENCE SCORES AND SUMS OF DIFFERENCE SCORES ON THE MMPI.=
(4) PSYCHOLOGY (5) CDC-1604 FORTRAN, PROGRAM ORIGINALLY WRITTEN FOR IBM 1620

SULZES- -CPV SULZER ES
U OF MINNESOTA MED SCHOOL MINNEAPOLIS MINN
CALCULATION OF P-VALUES FOR FISHER'S F TEST GIVEN THE F STATISTIC AND THE DEGREES OF FREEDOM.=
(3A) TEST OF HYPOTHESES (5) CDC-1604 FORTRAN

SULZES- -FFS SULZER ES
U OF MINN MED SCHOOL DEPT OF PSYCHIATRY AND NEUROLOGY MINNEAPOLIS MINN
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                SERIES.=
               (4) TIME SERIES (5) CDC 1604 FORTRAN
SULZES-  -PAQ  SULZER ES
                   U OF MINN MED SCHOOL DEPT OF PSYCHIATRY AND NEUROLOGY
                   MINNEAPOLIS MINN
               PROBIT ANALYSIS OF QUANTAL BIOASSAY WITH A SINGLE
                TREATMENT.=
               (3A) PROBIT ANALYSIS (5) CDC-1604 FORTRAN
SULZES-  -PCC  SULZER ES
                   U OF MINNESOTA MED SCHOOL DEPT OF PSYCHIATRY AND
                   NEUROLOGY MINNEAPOLIS MINN
               A PROGRAM TO COMPUTE THE CONCENTRATION OF SMALL
                PARTICLES OR MICROBES IN A SOLUTION AS ANALYZED BY THE
                SERIAL DILUTION METHOD.=
               (5) CDC-1604 FORTRAN
SULZES-  -PCF  SULZER ES
                   U OF MINN MED SCHOOL DEPT OF PSYCHIATRY AND NEUROLOGY
                   MINNEAPOLIS MINN
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               (5) CDC-1604 FORTRAN
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                   U OF MINNESOTA MED SCHOOL MINNEAPOLIS MINN
               A PROGRAM TO CALCULATE THE ORDINATE OF THE CHI-SQUARED
                DISTRIBUTION GIVEN THE NUMBER OF DEGREES OF FREEDOM
                AND THE VALUE OF THE CHI-SQUARE.=
               (3A) TEST OF HYPOTHESES (5) CDC-1604 FORTRAN
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                   U OF MINNESOTA MED SCHOOL MINNEAPOLIS MINN
               PERFORMANCE OF FISHER'S TEST OR THE CLASSICAL CHI-SQUARED
                TEST ON A FOUR FOLDTABLE.=
               (3A) TEST OF HYPOTHESES (5) CDC-1604 FORTRAN
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                   U OF MINNESOTA MED SCHOOL MINNEAPOLIS MINN
               A PROGRAM TO CALCULATE THE ORDINATE OF STUDENT'S T
                DISTRIBUTION GIVEN THE NUMBER OF DEGREES OF FREEDOM
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               (3A) TEST OF HYPOTHESES (5) CDC-1604 FORTRAN                  01
TANIT -  -MDP  TANIMOTO T
                   IBM YORKTOWN HGTS NY
               A MEDICAL DIAGNOSIS PROGRAM.=
               (3A) PROBABILITY/CLASSIFICATION (4) DIAGNOSIS (5) IBM 704
                (6) TANIMOTO T 'IBM TYPE 704 MEDICAL DIAGNOSIS PROGRAM'
                IRE TRANS VOL ME-7 NO 4 OCT 1960
U OFOF-  -ACP  U OF WASHINGTON SEVER INSTITUTE OF TECH ST LOUIS MO--
                   (PR LIB) U OF WASHINGTON COMPUTING FACILITIES
               AN ANALYSIS OF COVARIANCE PROGRAM.=
               (3A) ANALYSIS OF COVARIANCE (3B) MAX NO OF REPLICATIONS
                999 TWO TO SIX VARIABLES CAN BE PROCESSED WITH AS
                MANY AS FIVE COVARIATES (5) IBM 7072, 10K, 4 TAPES,
                FLAG SYSTEM, FORTRAN
U OFOF-  -GUF  U OF CHICAGO BIOLOGICAL SCIENCES COMP CTR CHICAGO ILL
               GO UCM F02 LIFE TABLE AND SURVIVAL RATE.=
               (5) FORTRAN PROGRAM
U OFOF-01-GUF  U OF CHICAGO BIOLOGICAL SCIENCES COMPUTATION CTR U OF
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CHICAGO-CHICAGO ILL
G2 UCM FO2 REGRESSION ON PRIMARY PRINCIPAL COMPONENTS.=
(3A) REGRESSION ON PRINCIPAL COMPONENTS (5) FORTRAN 01
PROGRAM

UHR L - -GIP UHR L
U OF MICHIGAN ANN ARBOR MICH
A GENERAL INTERCORRELATION PROGRAM.=
(3A) CORRELATION (PEARSON) (3B) 2-DIGIT NUMBERS INPUT
(4) GENERAL (5) IBM 650 (6) BEHAVIORAL SCIENCE VOL 4
P 255 JULY 1959 AMERICAN DOCUMENTATION INST LC WASH DC
DOC 5927

VANDJM- -CPC VANDERPLAS JM
U OF WASHINGTON SEVER INST OF TECH ST LOUIS MO--(PR LIB)
WASHINGTON U COMPUTER CTR
A CORRELATION PROGRAM WITH OBSERVATIONS MISSING CWOM.=
(3A) CORRELATION (3B) MISSING OBSERVATIONS ALLOWED UP TO
200 VARIABLES ANY NUMBER OF OBSERVATIONS LESS THAN 10
EXP 10 ON ANY OF THE VARIABLES (5) IBM 7072, 10K,
5 TAPES ON LINE

VANDSG- -CPC VANDENBERG SG
U OF MICHIGAN ANN ARBOR MICH
A COMPUTER PROGRAM TO CALCULATE CC PETER'S INDEX OF
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(3A) CORRELATION ANALYSIS (5) IBM 650 (6) BEHAVIORAL
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VANDSG- -VQR VANDENBERG SG
U OF MICHIGAN ANN ARBOR MICH
VARIMAX AND QUARTIMAX ROTATIONS.=
(3A) FACTOR ANALYSIS (3B) UP TO 953 ELEMENTS IN THE
ORIGINAL MATRIX NO OF ELEMENTS AND NO OF VARIABLES UP TO
999 ELEMENTS (4) PSYCHOLOGY (5) IBM 650 (6) BEHAVIORAL
SCIENCES VOL 5 P 99 JAN 1960 LC WASH DC DOC 6108

VELDDJ- -A VELDMAN DJ
U OF TEXAS AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
ANOVA 23.=
(3A) ANALYSIS OF VARIANCE (3B) UP TO 100 TEST SCORES MAY
BE ANALYZED IN ONE MACHINE PASS (4) BEHAVIORAL SCIENCES

VELDDJ- -APD VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB)
COLLEGE OF EDUCATION
AUTOCROS--A PROGRAM TO DETECT CYCLIC FLUCTUATIONS IN
REPEATED MEASUREMENTS OF THE SAME SUBJECT.=
(3A) CORRELATION ANALYSIS (4) TO DETECT DELAYED
REACTION EFFECTS FROM EXPERIMENTAL MANIPULATIONS--OF USE
IN BEHAVIORAL SCIENCES

VELDDJ- -API VELDMAN DJ
U OF TEXAS DEPT EDUCATIONAL PSYCHOLOGY
ABSTRAC A PROGRAM FOR INTERCORRELATION PRINCIPAL AXIS
FACTOR ANALYSIS, VARIMAX ROTATION AND FACTOR SCORE
COMPUTATION.=
(3A) FACTOR ANALYSIS (3B) UP TO 100 VARIABLES
(4) PSYCHOLOGY (5) CDC 1604 FORTRAN (6) BEHAVIORAL
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VELDDJ- -C VELDMAN DJ
U OF TEX AUSTIN TEX--(PR LIB) COLLEGE OF ED
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(3A) PEARSON PRODUCT MOMENT CORRELATION (3B) ALL SUBJECTS MUST HAVE COMPLETE DATA (4) TO GET PEARSON PRODUCT MOMENT CORRELATIONS BETWEEN ALL POSSIBLE PAIRING OF A SET OF VARIABLES. OF USE IN BEHAVIORAL SCIENCES

VELDDJ- -CPG VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
COMPILE, A PROGRAM TO GET FREQUENCY DISTRIBUTIONS AND STATISTICS.=
(3A) FREQUENCY DISTRIBUTIONS (3B) 20 ITEM QUESTIONNAIRE WITH 5-POINT AGREEMENT SCALES (4) BEHAVIORAL SCIENCES

VELDDJ- -CPP VELDMAN DJ
U OF TEX DEPT EDUCATIONAL PSYCHOLOGY
CORMAT--A PROGRAM FOR PRODUCT-MOMENT INTERCORRELATION TETRACHORIC APPROXIMATIONS AND ELEMENTARY LINKAGE ANALYSIS.=
(3A) CORRELATION ANALYSIS (3B) UP TO 100 VARIABLES (4) PSYCHOLOGY (5) CDC 1604 FORTRAN (6) BEHAVIORAL SCIENCE VOL 8 P 81 JAN 63

VELDDJ- -CPT VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
CANON--A PROGRAM THAT ATTEMPTS TO ANSWER THE QUESTION 'WHAT ARE THE ESSENTIAL DIMENSIONS OF CORRESPONDENCE AMONG TWO SETS OF VARIABLES'.=
(4) PSYCHOLOGY-COMPARISON OF SCALES OF DIFFERENT TESTS (6) SEE ROBERT JONES DISSERTATION (1963), HUMAN TALENT PROJECT

VELDDJ- -D VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX
DISCRIM.=
(3A) DISCRIMINANT ANALYSIS (3B) NUMBER OF SUBJECTS IN EACH GROUP NEED NOT BE EQUAL (4) BEHAVIORAL SCIENCES--TO DETERMINE THE EXTENT TO WHICH A SET OF PREDICTOR VARIABLES ARE ABLE TO DIFFERENTIATE AMONG A GIVEN SET OF A PRIORI-DEFINED SUBJECT GROUPS (6) COOLEY WW, LOHNES PR 'MULTIVARIATE PROCEDURES FOR THE BEHAVIORAL SCIENCES' WILEY (1962)

VELDDJ- -DPP VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
DISTAN-A PROGRAM TO PROVIDE INFORMATION CONCERNING THE SHAPE OF DISTRIBUTIONS.=
(3B) CONVERTS RAW SCORES TO M EQUALS 25, S EQUALS 5 COMPUTES AND PRINTS FREQUENCIES AND RAW SCORE EQUIVALENTS FOR SCORES FROM 0 TO 50 FOR EACH VARIABLE (4) BEHAVIORAL SCIENCES

VELDDJ- -FFA VELDMAN DJ
U OF TEX AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
FACTSCOR--A FACTOR ANALYSIS PROGRAM.=
(3A) FACTOR ANALYSIS (4) BEHAVIORAL SCIENCES--THE PROGRAM

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PRODUCES PUNCHED OUTPUT CARDS FOR EACH SUBJECT WITH COMPOSITE SCORES ESTIMATING HIS POSITION ON EACH OF THE FACTOR DIMENSIONS REPRESENTED IN THE INPUT LOADINGS

VELDDJ- -FPP VELDMAN DJ
U OF TEX AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
FACTOR--A PACKAGE PROGRAM TO PRODUCE (A) INTERCORRELATION (B) PRINCIPAL AXIS FACTOR ANALYSIS (C) ORTHOGONAL VARIMAX ROTATION.=
(3A) FACTOR ANALYSIS (4) BEHAVIORAL SCIENCES (A) DATA REDUCTION (B) HYPOTHESIS TESTING (C) HYPOTHESIS SEARCHING

VELDDJ- -GPP VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
GLASCOR--THE PROGRAM PRODUCES DISCRIMINANT FUNCTION SCORES, CHI-SQUARES REGARDING GROUP MEMBERSHIP AND PROBABILITIES OF MEMBERSHIP IN EACH GROUP.=
(3A) DISCRIMINANT ANALYSIS (4) BEHAVIORAL SCIENCES (6) COOLEY WW, LOHNES PR 'MULTIVARIATE PROCEDURES FOR THE BEHAVIORAL SCIENCES' WILEY (1962)

VELDDJ- -GPW VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
GROUP--A PROGRAM WHICH PERFORMS A COMPLETE HIERARCHIAL GROUPING ANALYSIS BASED ON DISTANCES IN TEST SPACE.=
(3A) CLASSIFICATION ANALYSIS (4) BEHAVIORAL SCIENCES (6) ROUTINE ORIGINALLY DEVELOPED BY JOE WARD (RD160V)

VELDDJ- -LCP VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
LINKAGE A CLUSTERINE PROGRAM.=
(3A) CLUSTER ANALYSIS (4) BEHAVIORAL SCIENCES

VELDDJ- -LML VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
LINEARV-A MULTIPLE LINEAR REGRESSION ANALYSIS PROGRAM.=
(3A) MULTIPLE LINEAR REGRESSION ANALYSIS (4) BEHAVIORAL SCIENCES (6) BOTTENBERG AND WARD'S APPLIED MULTIPLE LINEAR REGRESSION TECHNIQUE

VELDDJ- -M VELDMAN DJ
U OF TEX AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
MISCOREL.=
(3A) PEARSON PRODUCT MOMENT CORRELATION (3B) ALL ZERO OR BLANK SCORE FIELDS ARE IGNORED. VARIABLES WITH MEANINGFUL ZERO SCORES CANNOT BE ANALYZED WITH THIS PROGRAM (4) BEHAVIORAL SCIENCES

VELDDJ- -MPC VELDMAN DJ
U OF TEX AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
MATCH--A PROGRAM TO COMPUTE A MATRIX OF COSINES OF ANGLES BETWEEN ALL COMBINATIONS OF FACTOR-VECTORS FROM TWO INDEPENDENT FACTOR ANALYSES.=
(3A) FACTOR ANALYSIS (3B) COEFFICIENTS SHOULD BE OVER .90 BEFORE IDENTITY OF FACTORS IS ASSUMED (4) BEHAVIORAL SCIENCES

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VELDDJ- -MSM VELDMAN DJ
U OF TEX AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
MISCORP (SIMILAR TO MISCOREL).=
(3A) CORRELATION ANALYSIS (3B) OUTPUT IS PUNCHED. USED AS DIRECT ENTRY TO FACT FORM (4) BEHAVIORAL SCIENCES

VELDDJ- -RAV VELDMAN DJ
U OF TEXAS AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
REANOVA--AN ANALYSIS OF VARIANCE PROGRAM.=
(3A) ANALYSIS OF VARIANCE (4) BEHAVIORAL SCIENCES TO STUDY DIFFERENCES AMONG TREATMENTS WHERE EACH SUBJECT RECEIVES ALL TREATMENTS

VELDDJ- -RPC VELDMAN DJ
U OF TEX AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
REGRES A PROGRAM TO COMPUTE MULTIPLE CORRELATION COEFFICIENTS.=
(3A) CORRELATION ANALYSIS

VELDDJ- -RPY VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
REGSCOR--A PROGRAM TO YIELD PREDICTED CRITERION SCORES.=
(3B) USES PUNCHED OUTPUT FROM REGRES AND RAW DATA CARDS (4) BEHAVIORAL SCIENCES

VELDDJ- -S VELDMAN DJ
U OF TEXAS AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
STAT.=
(3A) ANALYSIS OF VARIANCE (4) TO GET BASIC STATISTICS ON DISTRIBUTIONS OF SCORES, TO GET SUM X AND X SQUARED FOR FOR CELLS IN A COMPLEX ANALYSIS OF VARIANCE OF USE IN BEHAVIORAL SCIENCES

VELDDJ- -SPC VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
STANDARD-A PROGRAM TO OBTAIN COMPARABLY LOCATED AND DISPERSED DISTRIBUTION FROM ANY SET OF RAW-SCORE DISTRIBUTION.=
(3B) SUBJECT IDENTIFICATION MUST BE READ BEFORE SPECIFICATION OF SCORES (4) BEHAVIORAL SCIENCES

VELDDJ- -TPC VELDMAN DJ
U OF TEX AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
TRANFACT--A PROGRAM TO CARRY OUT A TRANSPOSED FACTOR ANALYSIS OF PERSONS, RATHER THAN OF TESTS.=
(3A) FACTOR ANALYSIS (3B) INPUT IDENTICAL WITH FACTOR (4) BEHAVIORAL SCIENCES--PSYCHOLOGY

VELDDJ-01-APD VELDMAN DJ
U OF TEXAS AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
ANOVA--A PROGRAM TO DETECT DIFFERENCES IN CENTRAL TENDENCIES AMONG A SET OF SUBJECT GROUPS ON A SERIES OF DEPENDENT VARIABLES.=
(3A) ANALYSIS OF VARIANCE (3B) NO OF SUBJECTS IN VARIOUS GROUPS NEED NOT BE EQUAL (4) BEHAVIORAL SCIENCES 01

VELDDJ-01-CPP VELDMAN DJ
U OF TEX COLLEGE OF EDUCATION AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
CENTILE-A PROGRAM TO PROVIDE CONVERSION TABLES FOR

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RAW-SCORE DISTRIBUTIONS.=
(4) BEHAVIORAL SCIENCES 01

VELDDJ-01-FFA VELDMAN DJ
U OF TEX AUSTIN TEX--(PR LIB) COLLEGE OF EDUCATION
FACTORX--A FACTOR ANALYSIS PROGRAM.=
(3A) FACTOR ANALYSIS (3B) OUTPUT IS USED WITH FACTSCOR TO 01
OBTAIN VARIMAX ROTATED FACTOR SCORES (4) BEHAVIORAL
SCIENCES--PSYCHOLOGY

WALKG - -PIA WALKER G
U OF WASHINGTON
PARTIAL ITEM ANALYSIS.=
(3A) ITEM ANALYSIS (4) PSYCHOLOGY (5) IBM 650
(6) BEHAVIORAL SCIENCE VOL 5 P 268 JULY 1960

WALKJR- -PSC WALKER JR
CELANESE CHEMICAL CO DATA PROCESSING SYSTEM POB 561
CORPUS CHRISTI TEX
A PROGRAM FOR SELECTIVE CURVE SET.=
(3A) METHOD OF ZERO MOMENTS (3B) COEFF FOR 36 EQ ARE
COMPUTED (5) BURROUGHS 205, PAPER TAPE MACHINE LANGUAGE
(6) BEHAVIORAL SCIENCE VOL 6 P 167 APRIL 1961 AMER INST
OF CHEM ENGR 25 W 45 ST NYC

WEXLJD- -MSI WEXLER JD
ARIZONA STATE U TEMPE ARIZ
MAPS A SYSTEM OF INTERRELATED PROGRAM FOR FACTOR
ANALYSIS.=
(3A) FACTOR ANALYSIS (3B) WILL COMPUTE-CORR COEFF (UP TO
650 VARIABLES), TETRACHORIC CORR, PRINCIPAL COMPONENTS,
ROTATION OF FACTORS (KAISER) (UP TO 78 VARIABLES)
(4) PSYCHOLOGY (5) IBM 704 8K DRUM 6 TAPES
(6) COMPLETE DESCRIPTION FROM PUBLICATIONS OFFICE ARIZONA
STATE U TEMPE ARIZ

WHITJR- -QQA WHITTLESEY JRB
UCLA DEPT OF PSYCHIATRY AND WDPC LOS ANGELES CAL
QUAP-4--QUESTIONNAIRE ANALYSIS PROGRAM 1.=
(3A) PROFILE ANALYSIS (3B) UP TO 66 QUESTIONS-UP TO
100,000 PARTICIPANTS-OUTPUT ON MAG TAPE (4) PSYCHOLOGY
(5) IBM 709 (6) BEHAVIORAL SCIENCE VOL 5 P 100 JAN 1960
WRITE TO AUTHOR FOR DETAILS

WILKT - -CAS WILKES T
CASE INST TECHNOLOGY, SYSTEMS RESEARCH CTR CLEVELAND O
COMPUTER ANALYSIS OF SPECTROGRAPHIC DATA.=
(3A) MINIMIZATION OF THE RMS ERROR (4) DETERMINATION OF
CONCENTRATION OF SUBSTANCES IN SOLUTIONS

WILLBJ- -PRT WILLIAMS BJ
A PROGRAM FOR A REGRESSION TRANSFORMATION OF
PSYCHOPHYSIOLOGIC DATA.=
(3A) REGRESSION (3B) UP TO 800 PAIRS FOR 1620-20K-UP TO
2800 PAIRS FOR 1620-60K (5) IBM 1620, 60K, AUTOMATIC
DIVIDE, INDIRECT ADDRESSING IBM 1622 READ-PUNCH FORTRAN
(6) BEHAVIORAL SCIENCE VOL 8 P 82 JAN 1963

WOLFR - -TPT WOLF R
U OF CHICAGO GRADUATE SCHOOL OF ED
TSSA2--A PROGRAM FOR TEST SCORING TEST ANALYSIS ITEM
ANALYSIS AND FACTOR ANALYSIS AND ROTATION.=

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(3A) FACTOR ANALYSIS TEST SCORING (4) PSYCHOLOGY
BEHAVIORAL SCIENCES (5) IBM 7090 (6) BEHAVIORAL SCIENCE
VOL 8 NO 4 OCT 1963 PROGRAM FROM U OF CHICAGO INST FOR
COMPUTER RESEARCH CHICAGO ILL

YERUJ - -PCF YERUSHALMY J
U OF CAL SCHOOL OF PUBLIC HEALTH BERKELEY CAL
A PROGRAM TO COMPUTE FREQUENCIES, PERCENT DISTRIBUTION,
RATES AND MEANS.=
(3A) DESCRIPTIVE STATISTICS (3B) NINE VARIABLES 36 ITEMS
PER VARIABLE (5) IBM 7090, FORTRAN II AND FAP

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APPENDIX I

BIOMEDICAL COMPUTER PROGRAM LIBRARY FORM

PROGRAM LIBRARY NO.

1. Title:

2. Source:

   A. Author

   B. Address

   C. Program Library

3. Mathematical Method:

   A. General

   B. Specific Parameters

4. Application

5. Computer Configuration:

6. Publication Reference:

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Explanation of Computer Program Library Form

1. Title of Program

A descriptive title similar to the title of a journal article which, in a few words, sums up the content of the program and its applications.

Example:

> A computer program for the solution of the linear differential equations of blood flow.

In addition, at times, a code name is included such as BMD08D or CANON, etc., which is useful when requesting information about a specific program.

2. Source

A. Author

An attempt is made here to provide the name of the person who will best be the source of information in the future, such as an author, a programmer, a head of a department, the director of the computing center, etc.

B. Address

C. Program Library

Frequently, a program is part of a series which together constitute a package of programs. Examples of this are MEDCOMP, BMD, STATISTICAL LIBRARY OF THE ILLIAC, Users Group Library, College of Education Library, etc.

3. Mathematical Method

A. General

The object of this entry is to define, briefly, the mathematical method used in the program, whenever apparent or appropriate.

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Examples - Analysis of variance
Regression analysis
Factor analysis

Some of the programs reported are plotting routines (frequently count and histograms, scattergrams) or cross-classification programs. In either case, no particular mathematical procedure is reported.

B. Specific Parameters

Limitations of the program are specified in this section.

Examples - Maximum number of intervals equal to 5
Up to 35 independent variables
Up to 767 subjects
All subjects must have complete data
Input data in 5 digit format

4. Application

The specific biological or behavioral application is listed here.

Examples - EEG Analysis
Psychological testing
Mathematical diagnosis
Biochemistry

5. Computer Configuration

The minimum system on which the program will run is listed along with the programming language used.

Examples - IBM 1620, 20K, cards, FORTRAN II

IBM 7072, 10K, 5 tapes on-line

Illiac

6. Publication Reference:

A reference is given to a publication describing, in detail, where the program can be obtained.

Examples - Behavioral Science, V. 6, Oct. 1961, pp. 347-357

Available from IBM

For program, write author

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For detailed description write to: The American Documentation Institute, Library of Congress, Washington 25, D. C., Document 5925 ($2.50 for photoprint).

Naturally, an attempt was made to present as complete a documentation as practicable, in the limited time allowed, on the available computer biomedical programs. Some of the documentation is incomplete (lack of machine specification, for instance), but it is believed that the programs already listed constitute a large portion of the general purpose programs in existence today. As such, they can be used as a measure of the types of mathematical and statistical techniques now in use by investigators in the Life and Behavorial Sciences. Of some major importance is the availability of these programs. A short note on this subject is, no doubt, appropriate at this point. All of the programs reported here are available to investigators. Their availability, however, takes various forms, of which the following are examples.

1. Program and listing available from a Users Group.

2. Program description available from a Federal distributing agency such as the American Documentation Institute, for a nominal fee.

3. Program available from the author or from a computing facility.

4. Listing of program reported in a publication such as Waxman and Bonato's General Cross-Classification Program, (Behavorial Science, V. 6, October, 1961, pp. 347-357).

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APPENDIX II

1963 NIH GRANTS AND AWARDS

FOR COMPUTER AND COMPUTER-ORIENTED STUDIES

IN THE LIFE SCIENCES

ALABAMA

University of Alabama, Birmingham

Jamison, Homer C., "Applications of Electronic Computers in Dental Research"

"Uses of Electronic Computers in Health Research"

ARKANSAS

University of Arkansas, Little Rock

Barnhard, Howard J., "University of Arkansas Medical Center Computer Facility"

"Radiographic Time Lapse Study of Living Bone"

CALIFORNIA

University of California, Berkeley

Brazier, Mary A., "Correlator Studies of Brain"

Dantzig, George B., "Computer Solutions of Complex Models in Biology"

Lamson, Baldwin G., "Data Processing in a Medical Center:

Tryon, Rogert C., "Cluster Analysis Programs in Psychosocial Studies"

"Cluster Analysis Programs in Psychosocial Studies"

Wood, David A., "Electronic Computer Training and Research Facility"

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Camarillo State Hospital, Camarillo

Graetz, Robert E., "Psychiatric Data Automation"

Memorial Hospital of Long Beach, Long Beach

Lake, Raymond B., Jr., "Data Automation Research and Experimentation"

University of California, Los Angeles

Dixon, Wilfred J., "Followup of Colo-rectal Cancer Patients"

"Followup of Gastric Cancer Patients:

"Clinical Drug Evaluation Program - Western Region"

"Medical Data Processing Research"

Forgy, Edward W., "A Technique for Grouping"

French, John D., "Application of Computing Techniques to Brain Function"

Loma Linda University, Los Angeles

Hon, Edward H., "Digital Computer Analysis of Fetal Heart Rate Pattern"

"Electronic Evaluation of Fetal ECG and Heart Rate"

University of Southern California, Los Angeles

Ayres, A. Jean, "Factor Analyses of Perceptual-Motor Functions"

Stanford Research Institute, Menlo Park

Blumberg, Mark S., "Data for Control of Hospital Medications by Computer"

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Pacific State Hospital, Pomona

Tarjan, George, "Computer Aid for Mental Retardation Research"

University of California, Santa Barbara

Rohlf, F. James, "Programming for Numerical Taxonomy"

Rand Corporation, Santa Monica

Bellman, Richard E., "Mathematical Studies of Biological Systems"

Stanford University, Stanford

Colby, Kenneth M., "Computer Simulation of Therapy of Neurotic Process"

Killam, Keith F., Jr., "Quantification of Neuroelectric Signals"

Lederberg, Joshua, "Linc Computer Evaluation"

Suppes, Patrick, "Computing and Programming in Mathematical Psychology"

von der-Groeben, Jobst, "Tempero-spatial Computer Analysis of ECG Waves"

COLORADO

University of Colorado Medical Center, Denver

Perez-Tamayo, Ruheri, "Analysis of Isodose Distributions by Digital Methods"

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CONNECTICUT

Yale University, New Haven

Henderson, Virginia A., "Research Index for Periodical Publication"

Raisig, L. Miles, "Interview Analysis of Research Use of Medical Books"

DISTRICT OF COLUMBIA

American Chemical Society, Washington

Dyson, George M., "Restricted Express Lists, Pharmacological Activity"

Georgetown University, Washington

Marchetti, Andrew A., "Application of Correlation Analysis to Fetal ECG"

Pipberger, Hubert V., "Digital Coding of Clinical Cardiovascular Information"

FLORIDA

University of Miami, Coral Gables

Clyde, Dean J., "Predictors and Criteria in Psychopharmacology"

Communication Research Institute of St. Thomas, Miami

Lilly, John C., "Linc Computer Evaluation"

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GEORGIA

Southern Regional Education Board, Atlanta

Williams, Harry B., "Development and Use of Mental Health Statistics"

ILLINOIS

University of Chicago, Chicago

Potts, Albert M., "Information Retrieval in the Visual Sciences"

Rashevsky, N., "The Application of Topology to General Biology"

Skaggs, Lester S., "Analog Computer for Research in Biology and Medicine"

University of Illinois, Chicago

Miller, George E., "Study of Automatic Teaching in Medical Education"

Northwestern University, Evanston

Grodins, Fred S., "Linc Computer Evaluation"

Lewis, F. John, "Automatic Patient Monitoring During General Anesthesia"

Quon, Jimmie E., "Mathematical Simulation of Refuse Collection and Disposal Systems"

University of Illinois, Urbana

Von Foerster, Heinz, "Principles of Information Transfer in Living Systems"

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INDIANA

Indiana University Foundation, Bloomington

Shumate, Robert P., "The Simulation of Traffic Flow on a Digital Computer"

KANSAS

Kansas State University of Agriculture and Applied Science, Manhattan

Overall, John, "Quantitative Approaches to Diagnosis"

LOUISIANA

Tulane University, New Orleans

Balintfy, Joseph L., "Experiments with Computerized Diagnostic Processes"

Schenhal, Joseph E., "A System for Computer Processing of Medical Records"

Sweeney, James W., "An Integrated Biomedical Computing System"

MARYLAND

John Hopkins Hospital, Baltimore

Flagle, Charles D., "Optimal Organization and Facility for a Nursing Unit"

"Operations Research in the Health Services"

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John Hopkins University, Baltimore

Mark, Henry J., "Problem Solving Behavior in Man"

Mountcastle, Vernon B., "Linc Computer Evaluation"

Shepard, Richard H., "A Computing Center - Johns Hopkins Medical Institutions"

Talbot, Samuel A., "Biomedical Engineering Research Program"

"Blood Flow in Nonhomogeneous and Nonlinear Vessels"

Webb, George N., "Data Reduction and Correlation of Cardiac Signals"

Weiss, Bernard, "Linc Computer Evaluation"

Federation of American Societies for Experimental Biology, Bethesda

Lee, Milton O., "Evaluation Study - Federation of American Societies for Experimental Biology Information Processing Center"

Institute for Advancement of Medical Communication, Bethesda

Orr, Richard H., "Metabolism of Biomedical Information"

National Biomedical Research Foundation, Inc., Silver Spring

Dayhoff, Margaret O., "Aids to Interpretation of Protein Crystallography"

"Sequences of Amino Acids in Proteins by Computer Aids"

Ledley, Robert S., "Obturator and Prostheses Stability Through Dental Force Analyses"

"Mathematical and Implemental Aids to Medical Diagnosis"

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Ledley, Robert S., "Analysis of Chromosome Karyograms"

"Biomedical Picture Data Processor"

"Photomicrographic Analysis of Central Nervous System"

MASSACHUSETTS

Massachusetts General Hospital, Boston

Adams, Raymond D., "Punch Card Research Facility for Neurological Data"

Barlow, John S., "Computer Studies of Brain Potentials in Man"

Brownell, Gordon L., "Computer Applications in Biological Research

Massachusetts Mental Health Research Corporation, Boston

Geller, Miriam R., "Bibliographic Research in Psychopharmacology"

Harvard University, Cambridge

Bartholomay, Anthony F., "Development of a Research Center in Biomathematics"

Huttenlocher, Janellen, "Factors Affecting Inductive Reasoning"

Thomas, Harold A., Jr., "Operations Research in Water Quality Management"

Massachusetts Institute of Technology, Cambridge

Barnett, Michael P., "Mathematical Linguistics and Computer Techniques"

Rosenblith, Walter A., "Center for Computer Technology in Biomedical Sciences

Zimmerman, Henry J., "Basic Research in Communication Sciences"

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Rockford Research Institute, Inc., Cambridge

Fergusson, E. Stuart, "Reactive Typewriter Development for Medical Research"

Solomonoff, R. J., "Theory of Predictive Data Patterns"

Individual Grant, Cambridge

Textor, Robert B., "Computer Method forDelineating Culture Patterns"

Clark University, Worcester

Stubbe, John S., "Clark University Computer Center"

MICHIGAN

Commission on Professional and Hospital Activities, Inc., Ann Arbor

Kincaid, William H., "Computer Analysis of Medical Classifications"

University of Michigan, Ann Arbor

Coombs, Clyde H., "Risk-taking Behavior in Decision Making"

Gyr, John W., "Computer Simulation of a Class of Cognitive Theories"

Hess, Irene, "Probability Sampling Methods in Statistical Analysis"

Uhr, Leonard M., "Computer Simulations of Higher Mental Processes"

Ypsilanti State Hospital, Ypsilanti

Mattsson, Nils B., "Effects of Missing Data in Statistical Analysis"

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MINNESOTA

University of Minnesota, Minneapolis

Schmitt, Otto H., "Analysis of Time Coherent Cardiovascular Data"

Mayo Association, Rochester

Bickford, Reginald G., "Automatic Pattern Recognition in the Electroencephalogram"

"Automatic Pattern Recognition in the Electro-encephalogram"

Rome, Howard P., "Automation Techniques in Personality Assessment"

Wood, Earl H., "Mathematical Analysis of Indicator-Dilution Techniques"

MISSOURI

University of Missouri, Columbia

Daniel, Robert S., "Electronic Data Processing of EEG Patterns"

Lodwick, Gwilym S., "Computer Analysis of Tumor Roentgenograms"

Midwest Research Institute, Kansas City

Levy, Sheldon L., "Study of Traffic Phenomena Through Digital Simulation"

Central Institute for the Deaf, St. Louis

Cox, Jerome R., Jr., "A Data-processing Computer for Bioelectric Signals"

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Washington University, St. Louis

O'Leary, James L., Linc Computer Evaluation"

Stern, John A., "Cross Correlational Techniques in Psychiatric Diagnosis"

MONTANA

Holter Research Foundation, Inc., Helena

Holter, Norman J., "Cardiac Studies with Continuous ECG Monitors"

NEBRASKA

University of Nebraska, Lincoln

Wilson, Kellogg V., "Two-person Mixed Motive Situations"

NEW MEXICO

New Mexico Highland University, Las Vegas

McConnon, Myles, "Small Computer Installation for Biophysical Research"

New Mexico School for the Deaf, Santa Fe

McCandless, Geary A., "Assessment of Hearing in Man Using an Auto Correlator"

NEW YORK

Maimonides Hospital of Brooklyn, Brooklyn

Kantrowitz, Adrian, "Integrated Electronic Control of Physiologic Systems"

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State University of New York, Buffalo

Ewell, Raymond, "Support of Computing Center"

Hoffman, Joseph G., "Monte Carlo Computations of Cell Growth"

Rochester Conference Committee, 1963, East Rochester

Enslein, Kurt, "Partial Support of 1963 Rochester Conference"

Columbia University, New York City

Fertig, John W., "Statistical Methods in Dental Research"

"Statistical Methods in Dental Research"

Institute for Bio-Medical Computer Research, New York City

Gottsch, Lida G., "Publication of Medical Computer Code Forms"

Masonic Foundation for Medical Research and Human Welfare, New York City

Moe, Gordon K., "A Computer Model of Cardiac Arrhythmias"

Memorial Hospital for Cancer and Allied Diseases, New York City

Laughlin, John S., "Medical Computer Facility"

Memorial Sloan Kettering Cancer Center, New York City

Murphy, Terence W., "Computer Studies of Respiration"

New York Botanical Garden, New York City

Rogers, David J., "Use of Computers in Classification"

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New York University, New York City

Cady, Lee D., Jr., "Numerical Analysis of Electrocardiogram"

"Numerical Analysis of Electrocardiogram"

"Correlations of Electrocardiographic Characteristics"

"Biomedical Computing Section"

Cohen, Jacob, "Statistical Power of Psychological Research"

Mehr, Emanuel, "Computer Interpretation of Dye Dump Studies"

Woodbury, Max A., "Electronic Data Processing in Hematology"

"Electronic Data Processing in Hematology"

"Histochemistry of Pulpal Response to Operative Stress"

"Biomedical Computing Section"

New York University Medical Center, New York City

Mainland, Donald, "Promotion of Biometrical Methods in Medical Research"

Yeshiva University, New York City

Macy, Josiah, Jr., "Physiological Data Processing and Analysis Facility"

University of Rochester, Rochester

John, Erwin R., "Development of Methods of Data Analysis and Reduction"

NORTH CAROLINA

University of North Carolina, Chapel Hill

Hall, William J., "Sequential Experimentation and Analysis"

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Stacy, Ralph W., "Digital Processing of Physiological Data"

Duke University, Durham

Boneau, Charles A., "Linc Computer Evaluation"

Long, Ernest C., "General Purpose Analog Digital Conversion Facility"

North Carolina State College of Agriculture and Engineering, Raleigh

Cockerham, C. Clark, "The Statistics of Genetic Systems"

Monroe, Robert J., "Statistical Properties of Non-linear Estimators"

Bowman Gray School of Medicine - Wake Forest College, Winston-Salem

Malindzak, George S., Jr., "Line Computer Evaluation"

Wake Forest College, Winston-Salem

Carpenter, Harry M., "A Data System for Laboratory Medicine"

OHIO

University of Cincinnati, Cincinnati

Franke, Ernest K., "Power Spectrum Analysis of the High Frequency ECG"

Sterling, Theodore D., "Optimizing Automated Radiation Treatment Planning"

University of Cincinnati College of Medicine, Cincinnati

Sterling, Theodore D., "Expansion of Biomedical Computing Center"

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Case Institute of Technology, Cleveland

Plonsey, Robert, "Mathematical and Computer Analysis In Medical Systems"

Highland View Hospital, Cleveland

Houser, Harold B., "Application of Computer to Analysis of Dietary Intake"

Western Reserve University, Cleveland

Kent, Allen, "Documentation of Communicable Disease Literature"

Ohio State University Research Foundation, Columbus

Pasamanick, Benjamin, "Statistical Classification of Mental Disorders"

"Statistical Classification of Mental Disorders"

"Electronic Computer Programming in Psychiatric Research"

Psychiatric Research Foundation of Columbus, Columbus

Pasamanick, Benjamin, "Electronic Computer Programming in Psychiatric Research"

Fels Research Institute, Yellow Springs

Sontag, Lester W., "Computer Facility"

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13. ABSTRACT

A need exists for dissemination of information on the uses of computers in the life sciences. This report attempts to provide the information necessary to locate and request programs or program descriptions and listings. Typical applications in the life sciences are described for general programs on information retrieval, cross-tabulation of data, tests of statistical hypotheses, regression analysis, multivariate analysis, time series analysis, analysis of variance and covariance, mathematical diagnosis, linear programming, simulation, numerical techniques, and matrix algebra. In addition to these general purpose programs, many special purpose programs exist which are applicable within the gamut of research problems. Some specific examples are finding interatomic distances and angles, blood volume analysis, cardiac arrythmia analysis, etc. The Key-word-in-Context (KWIC) - Index of life sciences computer programs consisting of 1) the Key-Word Index, 2) Author Index, and 3) Code-Name Index is given in the final section of the report.

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