CENTRO NAZIONALE UNIVERSITARIO DI CALCOLO ELETTRONICO

COMUNICAZIONE n. 6

BIOMEDICAL COMPUTER PROGRAMS

Sono disponibili presso il CNUCE di Pisa i'Biomedical Computer Programs' (BMD) scritti da programmatori della 'Health Sciences Computing Facility - Department of Preventive Medicine and Public Health - University of California'-.

Si tratta di Programmi di statistica che, per la loro generalità e flessibilità di applicazione, possono essere di grande utilità per gli interessati.

Gli argomenti trattati dai singoli programmi, raggruppati in sei classi, sono i seguenti:

CLASS D - DESCRIPTION AND TABULATION

BMD01D	Simple Data Description
BMD02D	Correlation with Transgeneration
BMD03D	Correlation with Item Deletion
BMD04D	Alphanumeric Frequency Count
BMD05D	General Plot Including Histogram
BMD06D	Description of Strata
BMD07D	Description of Strata with Histograms
BMD08D	Cross-Tabulation with Variable Stacking
BMD09D	Cross-Tabulation, Incomplete Data
BMD10D	Data Patterns for Dichotomies
BMD11D	Data Patterns for Polychotomies

CLASS M - MULTIVARIATE ANALYSIS

BMD01M	Principal Component Analysis
BMD02M	Regression on Principal Components
BMD03M	Factor Analysis
BMD04M	Discriminant Analysis for Two Groups
BMD05M	Discriminant Analysis for Several Groups
BMD06M	Canonical Analysis
BMD07M	Stepwise Discriminant Analysis (New Program)

CLASS R - REGRESSION ANALYSIS

BMD01R	Simple Linear Regression
BMD02R	Stepwise Regression
BMD03R	Multiple Regression with Case Combinations
BMD04R	Periodic Regression and Harmonic Analysis
BMD05R	Polynomial Regression
BMD06R	Asymptotic Regression

CLASS S - SPECIAL PROGRAMS

BMD01S	Life Table and Survival Rate
BMD02S	Contingency Table Analysis
BMD03S	Biological Assay: Probit Analysis
BMD04S	Guttman Scale Preprocessor
BMD05S	Guttman Scale # 1
BMD06S	Guttman Scale # 2, Part 1
BMD07S	Guttman Scale # 2, Part 2
BMD08S	Guttman Scale # 2, Part 3
BMD09S	Transgeneration
BMD10S	Transposition of Large Matrices

CLASS T - TIME SERIES ANALYSIS

BMD01T	Amplitude and Phase Analysis
BMD02T	Autocovariance and Power Spectral Analysis

CLASS V - VARIANCE ANALYSIS

BMD01V	Analysis of Variance for One-Way Design
BMD02V	Analysis of Variance for Factorial Design
BMD03V	Analysis of Covariance for Factorial Design
BMD04V	Analysis of Covariance with Multiple Covariates
BMD05V	General Linear Hypothesis
BMD06V	General Linear Hypothesis with Contrasts
BMD07V	Multiple Range Tests
BMD08V	Analysis of Variance (New Program)

E' a disposizione degli utenti presso il CNUCE (Dott. Sandi) per consultazione la raccolta completa delle descrizioni e delle procedure operative dei singoli programmi.

Copia dei programmi può essere richiesta al Dott. Sandi.

Il Funzionario incaricato della direzione del sistema
(ing. Renzo Marconi)

Pisa, 17 ottobre 1966