

CONTRIBUTED PAPER SESSIONS

IA Use of Computers in Teaching Statistics

The cumulative binomial distribution: computations and applications
P.N. Bowerman—Jet Propulsion Laboratory, USA
E.M. Scheuer—California State University at Northridge, USA

μ -ESP: experiment simulation package for microcomputers
J.C. Robinson—University of Waterloo, Canada
J.R. Elliott—Wilfrid Laurier University, Canada

A micro-dependent statistics and design course
R.S. Lehman—Franklin & Marshall College, USA

A computer game to teach practical blocking ideas
R. Mead—University of Reading, England

Computer-generated median splits as a teaching tool: promise and reality
D.P. Doane—Oakland University, USA

Teaching applied statistics using a class questionnaire and BMDP
J. Juritz—University of Capetown, South Africa

IB Teaching Statistics in Schools

The crisis in the tropics—statistics education in Queensland secondary schools
R. Peard—Brisbane College, Australia

Statistics for all students in Wisconsin
H.S. Kepner, Jr.—University of Wisconsin—Milwaukee, USA
G.F. Burrill—Whitnall High School, Greenfield, Wisconsin, USA

Integrated statistics in the algebra curriculum
D. Cameron—Middleboro, USA

Bayesian versus classical concepts in hypothesis testing
D. Wickmann—Didaktik der Fak, Federal Republic of Germany

A pilot study of cross-discipline statistics education
J.S. Zawojewski—National College of Education, USA

IC History of Teaching Statistics

Statistics and professionalization in early Victorian Britain
J. Bibby (Consultant)—Scotland

A contribution to the history of teaching statistics in Belgium
P. Dagnelie—Faculté des Sciences Agronomiques, Belgium

Professor Kluit, statistics teacher in the German tradition
I.H. Stamhuis—Free University, The Netherlands

The teaching of statistics in the USA
G.E. Noether—University of Connecticut, USA

The history of teaching statistics in Italy
M.G. Ottaviani—Universita degli Studi "La Sapienza", Italy

ID Principles of Learning Probability and Statistics

Developing a descriptive statistics curriculum unit for the Junior College of Commerce
Y.T. Lue—The National Taipei Junior College of China, Republic of China

About the meaning of data
M. Chieppa—University of Bari, Italy

Sample surveys, computing and non-mathematicians
C. Craggs—Newcastle upon Tyne Polytechnic, England
(Presented by R. Croasdale)

Clarifying regression concepts using 3 point data sets
L.A. Franklin—University of Central Florida, USA

Fast access to literature in teaching statistics
G. König—Zentralblatt für Didaktik der Mathematik, Federal Republic of Germany

IE Statistics in Government and Business

Teaching data analysis for the "real world"
S. Arndt—University of Notre Dame, USA

The use of computer packages in teaching business and economics statistics
R. Boyle—Victoria College, Australia

Regression analysis and placement
E.J. Manfred—US Coast Guard Academy, USA

IF Videotapes and Computer Software

Order from chaos: the surprising consequences of randomness (videotape)
K.L. Weldon—Simon Fraser University, Canada

Computer simulations of statistical concepts for university students in psychology and pedagogy
B. Harmegnies—University de Mons, Belgique

IIA Use of Computers in Teaching Statistics

A computer-based laboratory for introductory statistics
E.A. Tanis—Hope College, USA

Constructing teaching programs in editorial mode
J. Puranen—University of Helsinki, Finland

A role for simulation in elementary statistics courses
J.R. Nanney and J.B. Hill—Auburn University at Montgomery, USA

Teaching statistics by computer
J.M. Horgan—National Institute for Higher Education, Ireland

A microcomputer statistics course
L. Sher and P. Wilkinson—Borough of Manhattan Community College, USA

Computer-based assessment and instruction in introductory statistics
J.D. Holt and W.G.S. Hines—University of Guelph, Canada

IIB Teaching Statistics in Schools

Teaching statistics in Japan
M. Hodono—Kanagawa, Japan

Statistics in Uganda primary school curriculum
F.F.K. Matovu—National Curriculum Development Centre, Uganda

Teaching SSE and its applications in junior high school
J.E. Bernard—University of Hawaii, USA

New computer simulations in probability and statistics
J. Kinney—Rose-Hulman Institute of Technology, USA

A sabermetric model for predicting the baseball standings
S. Krevisky—Middlesex Community College, USA

IIC Teaching Statistics in Developing Countries

Teaching statistics in community nutrition
K.E. Basford and I.F. Horton—University of Queensland, Australia

Training statisticians in Morocco
M. Benyaklef—INSEA, Morocco

Twelve years of cooperation between the Faculty of Agricultural Sciences, Gembloux (Belgium) and the Agricultural and Veterinary Institute, Rabat (Morocco) in the field of teaching statistics and computer science
P. Dagnelie—Faculté des Sciences Agronomiques, Belgium

IID Principles of Learning Probability and Statistics

The student-project: essential learning aid or extravagant luxury?
R. Croasdale—Newcastle upon Tyne Polytechnic, England

A single contrast test procedure
C.J. Huberty and John D. Morris—University of Georgia, USA

Misinterpretation of association measures
R. Eisenbach—Tel Aviv University, Israel

Helping students grasp the logic behind hypothesis testing:
a "sequencing" tip
S.W. Huck—University of Tennessee, USA

Some misconceptions students have concerning sampling
F. Jolliffe—Brunel University, England

Critical thinking and the statistical method
M. Kotler—Pace University, USA

IIE Education of Statisticians

Measuring statistical anxiety
R.J. Cruise—Andrews University, USA

Teaching statistics in Italian universities
M.G. Ottaviani—Universita degli Studi "La Sapienza", Italy

A method for teaching statistics using N-dimensional geometry
D.J. Saville—Ministry of Agriculture and Fisheries, New Zealand
G.R. Wood—University of Canterbury, New Zealand

On teaching the non-algebraic aspects of statistics
K.L. Weldon—Simon Fraser University, Canada

IIIA Use of Computers in Teaching Statistics

The use of GLIM in the teaching of statistics
K. Sharpe—University of Melbourne, Australia

Computer drills for hypothesis testing
D. Tosh—University of Waterloo, Canada

Computer graphics simulations for statistics
F.S. Gordon—New York Institute of Technology, USA

Computer graphics demonstrations in statistics
S.P. Gordon—Suffolk Community College, USA

IIIB Teaching Statistics in Schools

The potential role of statistics in the general mathematics course
A.P. Shulte—Oakland Schools, USA

Teaching probability and statistics to general education high school students: an action research study
D.J. Dessart—University of Tennessee, USA

Teaching statistics in the junior high schools
H.E. Casey—Scarsdale Public School, USA

Statistical and probabilistic contents into mathematical textbooks for Italian upper secondary school
B. Rizzi, F. Levato, and M. Trinchese—Universita degli Studi di Roma, "La Sapienza", Italy

Visual display of data
G. Davis—Santa Monica High School, USA

IIIC Teaching Statistics in Developing Countries

Educating and training undergraduate applied statisticians
C.A. Peres and P.A. Morettin—University of Sao Paulo, Brazil
S.C. Narula—Virginia Commonwealth University, USA

Training in statistics in underdeveloped countries
H.B. Shrestha—Tribhuvan University, Nepal

Overview of statistical education in Sierra Leone
R.P. Srivastava—UN Development Program, Sierra Leone

Probability problems geared to local environment and culture: a Malaysian perspective
A.L. Wang—University of Malaya, Malaysia

IIID Statistics in Industry

Evaluation of teaching effectiveness via judgment analysis and canonical judgment analysis
A.H. Al-Harbey—King Abdulaziz University, Saudi Arabia
S.R. Houston—University of Northern Colorado, USA

Project CAM—statistics at work
B. Phillips—Swinburne Institute of Technology, Australia

Subjective probability in teaching engineering statistics
R. Scozzafava—Universita degli Studi "La Sapienza", Italy

Iowa State University/industry affiliate program
W.R. Stephenson—Iowa State University, USA

Statistics, common sense and management excellence
R. McEntyre—IBM Australia, Australia

IIIE Miscellaneous

Statistics and numeracy for adult students
J. Evans—Middlesex Polytechnic, England

"Legal Statistics"" what to teach future attorneys
B.R. Abramov—Pace University, USA

More statistics applied or statistics applied more?
R.H. Morton—Massey University, New Zealand

On estimation of the standard deviation when the mean is known
A. Parisan and S.m. Sadooghi Alvandi—Shiraz University, Iran
S.N.U.A. Kirmani—University of Northern Iowa, USA