FINAL REPORT FOR
CONTRACT N00014-84-K-0588
Task No. NR 042-521

"New Directions for
Multivariate Statistical Computation
and Data Analysis"

OFFICE OF NAVAL RESEARCH
STATISTICS AND PROBABILITY PROGRAM
ARLINGTON, VA 22217

Submitted by

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September 30, 1987

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Papers Submitted to Refereed Journals (and not yet published)


Papers Published in Refereed Journals


Books (and sections thereof) Published


- Fienberg, S.E., Specification and implementation of age, period and cohort models, in *Cohort Analysis in Social Research: Beyond the Identification Problem* (Wm.M. Mason and S.E. Fienberg, eds.), (1985), Springer-Verlag, New York, 45-88 (with Wm.M. Mason).


Invited Presentations at Topical or Scientific/Technical Society Conferences

1984:

- Eddy presented an invited seminar on July 6, 1984 to the Department of Mathematics, University of Heidelberg, Heidelberg, West Germany.
- Eddy served as an invited discussant on August 15, 1984 at the annual meeting of the American Statistical Association in Philadelphia, PA.
- Fienberg served as an invited discussant on August 15, 1984 at the annual meeting of the American Statistical Association in Philadelphia, PA.
- Eddy presented an invited seminar on October 3, 1984 to the Department of Statistics, University of Michigan, Ann Arbor, MI.
- Eddy presented an invited seminar on October 11, 1984 to the Department of Mathematics, Indiana University of Pennsylvania, Indiana, PA.
- Eddy presented an invited seminar on October 22, 1984 to the Department of Mathematics, Tufts University, Medford, MA.
- Eddy served as an invited discussant on October 23, 1984 at the ASA IASC SIAM conference on Frontiers in Computational Statistics in Boston, MA.

1985:

- Eddy presented an invited seminar on April 8, 1985 at the Statistics Center, Massachusetts Institute of Technology, Cambridge, MA.
- Eddy presented an invited seminar on April 10, 1985 at the Statistics Center, Massachusetts Institute of Technology, Cambridge, MA.
- Eddy served as an invited discussant on May 22, 1985 at the N.R.S. Chemometrics Conference in Gaithersburg, MD.
- Eddy presented an invited paper on June 19, 1985 to the SREB Research Conference in Statistics at Boone, NC.
- Eddy presented an invited seminar on July 15, 1985 at Bell Communications Research in Morristown, NJ.
- Eddy served as an invited discussant on August 8, 1985 at the annual meeting of the American Statistical Association in Las Vegas, NV.
- Eddy presented an invited seminar on November 13, 1985 to the Department of Statistics, University of Kentucky, Lexington, KY.
Fienberg presented an invited lecture entitled "The Categorical Imperative" to the International Meeting on the Foundations of Statistics and its Applications in Tel Aviv, Israel during December, 1985.

Fienberg served as an invited discussant of a paper by J. Durbin, "Is a philosophical consensus for statistics attainable," at the International Meeting on the Foundations of Statistics and its Applications in Tel Aviv, Israel during December, 1985.

Fienberg presented an invited seminar to the Department of Statistics at The Technion in Haifa, Israel during December, 1985.

1986:


Fienberg gave an invited talk entitled "Adjusting the Census: Methodology for going beyond the count," on March 26, 1986 at the Census Annual Research Conference in Reston, VA.


Fienberg gave an invited seminar to the Department of Mathematics, Statistics, and Computer Science at Dalhousie University in Halifax, Canada on April 1, 1986, entitled "Statistics as a language and a guide to science and policy."


Fienberg led discussion of a paper by L.J. Cohen at the Symposium on Probability and Inference in the Law of Evidence, Boston University, April 5, 1986.


Eddy presented an invited paper on May 19, 1986 to the Bayesian Computing Workshop at Ohio State University in Columbus, OH.


Fienberg was an invited discussant of the General Methodology Lecture, "Analysis of Categorical Data" by P. McCullagh, Joint Statistical Meetings, August, 1986.

Eddy presented an invited paper to the International Workshop on Bayesian Analysis on September 19, 1986 in Stresa, Italy.

Fienberg delivered an invited talk entitled, "Bayesian Inference and the Evaluation of Statistical Evidence for Legal Decisionmaking," to the NBER NSF Seminar on Bayesian Inference in Econometrics at Riverside, CA, on October 24, 1986.
1987:

- Eddy gave a special invited keynote address to the First Winter meeting of the American Statistical Association on January 10, 1987 in Orlando, Fl.
- Eddy gave an invited seminar at Los Alamos National Laboratory on January 21, 1987 in Los Alamos, NM.
- Eddy gave a special invited lecture at the Middle East Technical University in Ankara, Turkey on March 27, 1987.
- Eddy gave the inaugural address at the First International Conference on Statistical Computing on March 30, 1987 in Cesme, Izmir, Turkey.
- Fienberg was a special invited speaker at the Sino-American Statistical Meeting in Beijing, China, September, 1987.

Contributed Presentation at Topical or Scientific/Technical Society Conferences

- Eddy presented a contributed paper on November 20, 1985 to the Second SIAM Conference on Parallel Processing for Scientific Computing in Norfolk, VA.

Honors/Awards/Prizes

- Eddy, W.F., Visiting Professor, July 1984 - August 1984 - University of Heidelberg, Germany.
- Fienberg was awarded Guggenheim Foundation Fellowship, July 1, 1984 - June 30, 1985.
- Fienberg was appointed Fellow, Center for Advanced Study in the Behavioral Sciences, July 1, 1984 - June 30, 1985.
- Eddy was appointed visiting professor of statistics at Massachusetts Institute of Technology during March, 1985.
- Fienberg was elected Vice-President of the American Statistical Association, 1986-1988.
- Fienberg was named to the Maurice Falk Professorship, Carnegie Mellon University, at a special dinner held in December, 1986.
- Fienberg was appointed to Editorial Board of the Statistician, 1986-1988.
- Fienberg was named Dean, College of Humanities and Social Sciences, Carnegie Mellon University, March, 1987.
- Eddy was appointed a Resident Visitor to Bell Communications Research, Morristown, NJ during the spring of 1987.
- Eddy was elected a Fellow of the American Association for the Advancement of Science in 1987.
- Eddy was appointed Vice-Chair of the American Statistical Association Committee on Energy Statistics.
- Eddy was appointed the North American Regional Editor for the Statistical Software Newsletter of the International Association for Statistical Computing.
- Eddy served as an Associate Editor for SIAM Review from 1984 to 1987.

Technical Reports


Persons Supported

    Faculty
    William F. Eddy
    Stephen E. Fienberg
    Gail Gong
    Albyn Jones
    Mark J. Schervish

    Graduate Students
    Anthony A. Billings
    Dean Follmann
    Lionel A. Galway
    Richard Holubkov

    Undergraduate Student
    Jorean Sicks
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JAN
1988