

Christopher J. Malone

Department of Statistics ♦ Kansas State University ♦ Manhattan KS, 66506

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Objective

A tenure-track assistant professorship where teaching and consulting are emphasized more than technical research.

Education

Ph.D. Statistics: Kansas State University, Manhattan, KS. Expected Graduation - July 2002

- Dissertation Topic: Resampling techniques to analyze unreplicated experiments
- Research Interests: Nonparametric statistics, experimental design, undergraduate statistics education, web-enhanced teaching
- Advisor: Dr. Tom Loughin

M.S. Statistics: Kansas State University, Manhattan, KS. 1997

- Report Title: Comparison of Confidence Intervals for Inverse Prediction in Nonlinear Dose-Response Models
- Advisor: Dr. Tom Loughin

B.S. Statistics and Mathematics: Winona State University, Winona, MN. 1994

- Advisors: Dr. Brant Deppa and Dr. Martyn Smith

Teaching

Experience: Department of Statistics, Kansas State University, August 1994-present

- Assumed complete responsibility for several introductory statistics courses
- Collaborated with faculty and other instructors in the development of course content, textbook selection, and methods for student evaluation
- Reviewed several computer packages and was instrumental in the implementation of a package into our introductory statistics courses

Leadership:

- Awarded the Presidential Award for Excellence in Undergraduate Teaching, Kansas State University, 2001 (university-wide award given to a single GTA annually)
- Selected as a panelist for "Keys to Success in Your Role as a GTA", Graduate Teaching Assistant Orientation, Kansas State University, 2001
- Participated as a referee for the Journal of Statistics Education, 2000
- Coordinator for the Graduate Student Orientation Program, Department of Statistics, Kansas State University, August 1996 - August 1999
- Mentor for new instructors in the Department of Statistics, Kansas State University

Material Development:

- Developed a comprehensive packet of material for the teaching of a second semester introductory statistics course which includes: lecture notes, original homework problems, original case studies, computer aided analyses, etc.
- Created an extensive course web site which includes: 3-D virtual reality models, individual on-line accounts, a message board, a chat room, etc.
- Developed the Excel Instructions for Statistics web site which currently receives about 25% of its hits from outside Kansas State University
- Developed templates for the instruction of several statistical topics in Microsoft Excel

Consulting / Grants

Contract Consultant: Malone Data Solutions, June 2000 - present

- Provided significant support for the technical development of the Statistics Teaching and Resource Library, a peer-reviewed journal of resources for the teaching of statistics, funds provided by Duxbury Press
- Served as a consultant on several projects with individuals outside the university

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Statistical Consultant: Department of Statistics, Kansas State University, August 1995-present

- Served as a consultant on numerous projects with researchers and faculty
- Assisted researchers in the design, analysis, and interpretation of their studies
- Communicated results orally and in written format for publication

Research Grant: Department of Statistics, Kansas State University, Jan. 1996-Dec. 1997

- Co-recipient of a \$7,000 grant to collaborate with researchers from Dow AgroSciences Inc. on problems associated with inverse prediction in nonlinear dose-response models
- Research results have been implemented into existing methodologies at Dow AgroSciences Inc.
- This work was completed under the direction of Dr. Tom Loughin, Department of Statistics, Kansas State University

Publications

- Malone, C. J. and Bilder, C. R. (2001). Statistics Course Web Sites: Beyond Syllabus.html. Journal of Statistics Education [On-line]. 9(2).
- Boyer, J. E., Rumsey, D. J., Bilder, C. R., and Malone, C. J. (2001). Which paper towel is more absorbent? Statistics Teaching and Resource Library [On-line].
- Malone, C. J. and Bilder, C. R. (2000). Increasing Student-Instructor and Student-Student Interaction through a Statistics Course Web Site. American Statistical Association Proceedings of the Section on Statistical Education.

Presentations

- "Using Real versus Simulated Data in an Introductory Statistics Course", Joint Statistical Meetings, August 2001
- "Analysis of Unreplicated 2^k Experiments", Department of Statistics, Kansas State University, November 2000
- "Increasing Student-Instructor and Student-Student Interaction through a Statistics Course Website", Joint Statistical Meetings, August 2000
- Co-presented "Statistics Course Web Sites: Beyond Syllabus.html", Department of Statistics, Kansas State University, October 1999
- "Introductory Statistics Course Web Sites: Beyond Syllabus.html", Midwest Conference on Teaching Statistics, June 1999
- "Confidence Intervals for Inverse Prediction in Nonlinear Dose-response Models", Dow AgroSciences Inc., Indianapolis, IN, January 1998

Honors and Activities

- Presidential Award for Excellence in Undergraduate Teaching, Kansas State University, 2001
- Holly and Beth Fryer Scholarship, Department of Statistics, Kansas State University, 2000
- Student Coordinator for the Conference on Applied Statistics in Agriculture, April 1996 - April 2000
- American Statistical Association Membership and Journal Subscriptions Award from the Department of Statistics for excellence in the statistics program, 1996
- Member, American Statistical Association and the Institute of Mathematical Statistics
- Member, Who's Who Among Students in American Universities and Colleges, 1994
- Member, Department of Statistics intramural volleyball team since 1994

References

- Dr. Tom Loughin (Email: loughin@stat.ksu.edu)
- Dr. John Boyer (Email: boyer@stat.ksu.edu)
- Dr. Jim Higgins (Email: higgins@stat.ksu.edu)