

# Christopher R. Bilder

## Home Address

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## School Address

Kansas State University  
Department of Statistics  
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## PROFESSIONAL OBJECTIVE

A tenure-track assistant professorship in statistics combining research, teaching, and consulting

## EDUCATION

**Ph.D. Statistics** (GPA 4.0/4.0), Kansas State University, 2000

- Dissertation: Testing for Marginal Independence with Pick Any/c Variables
- Research interests: Bootstrapping, categorical data analysis, web enhanced teaching, and sports statistics

**M.S. Statistics** (GPA 4.0/4.0), Kansas State University, 1996

- Report: "It's Good!" An Analysis of the Probability of Success for Placekicks Using Logistic Regression

**B.S. Mathematics** (GPA 3.902/4.0), University of Nebraska-Omaha, 1994

- Minor: Pre-Actuarial Science
- Graduated Summa Cum Laude
- Society of Actuaries Examinations Passed: Calculus and Linear Algebra, Probability and Statistics, Numerical Methods, and Mathematics of Compound Interest

## COMPUTER EXPERIENCE

### Software

- Statistical: SAS, S-Plus, StatXact, and Resampling Stats
- Database: Access
- Image composition: Image Composer
- Internet browser: Internet Explorer and Netscape
- Presentation: PowerPoint
- Voice recognition: ViaVoice98 Executive
- Web site creation and management: FrontPage
- Word processing: Word and Word Perfect

**Operating Systems:** Windows and Unix

**Languages:** Pascal and COBOL

## PROFESSIONAL EXPERIENCE

May 1998 - August 2000: **Website Designer and Builder** (GRA)

Department of Statistics, Kansas State University

- Involved in the planning, development, and implementation of the Statistics Teaching and Resource (STAR) Library
- Created the website at [www.starlibrary.net](http://www.starlibrary.net)

August 1994 - December 1999: **Graduate Teaching Assistant**

Department of Statistics, Kansas State University

- Instructor for first and second semester introductory business statistics courses
- Complete responsibility for the teaching and administration of the courses
- Developed an extensive course web site at [www.ksu.edu/stats/tch/bilder/stat351](http://www.ksu.edu/stats/tch/bilder/stat351)
- Created interactive Excel templates to teach important concepts
- Teach with a computer and data projector during each class period
- Submitted numerous projects to the KSU GTA resource notebook
- Organized and appeared in a final exam review broadcast on television

June 1997 - August 1997: **Statistical Intern** (Laboratory Graduate Fellowship)

Statistics Group, Idaho National Engineering and Environmental Laboratory

- Analyzed pattern recognition data
- Utilized k-nearest neighbor, classification tree, correlation, and normal linear discriminant analysis methods
- Assisted in the collection of the data

May 1996 - August 1996: **Biometrics Intern**

Biometrics and Data Management Department, Hoechst Marion Roussel

- Completed a stability study using ANCOVA models
- Analyzed a safety and tolerability trial using split-plot models and permutation test methods
- Examined a response surface interaction model as an alternative to first or second order models

January 1995-August 1995: **Statistical Consultant** (GRA)

Institute for Social and Behavioral Research, Kansas State University

- Evaluated the effectiveness of the Kansas Infant-toddler Program for the Kansas Department of Health and Environment
- Constructed log-linear and logit models
- Involved in the data gathering and report writing

May 1993 - August 1993 & May 1994 - August 1994: **Actuarial Intern**  
Pricing Department, National Indemnity Company (Berkshire Hathaway Insurance Group)

- Examined physical damage rate adequacy
- Developed trend rate indications reports
- Completed loss extensions

## PUBLICATIONS

Bilder, C. R. and Loughin, T. M. (1998). "It's Good!" An Analysis of the Probability of Success for Placekicks. *Chance* 11(2), 20-24 & 30.

Loughin, T. M. and Bilder, C. R. (1999). Review of "Bootstrap Methods and Their Application". *Journal of the American Statistical Association* 93, 334-335.

Bilder, C. R., Loughin, T. M., and Nettleton, D. (2000). Multiple Marginal Independence Testing for Pick Any/c Variables. To appear in *Communications in Statistics: Simulation and Computation* 29(4).

Malone, C. J. and Bilder, C. R. (2000). Statistics Course Web Sites: BEYOND syllabus.html. Submitted to the *Journal of Statistics Education*.

## PRESENTATIONS

Malone, C. J. and Bilder, C. R. "Increasing student-instructor and student-student interaction through a statistics course web site," Contributed paper at the 2000 Joint Statistical Meetings, August 13, 2000; Indianapolis, ID.

Bilder, C. R., Loughin, T. M., and Nettleton, D. "A comparison of multiple marginal independence testing methods," Poster at the 2000 Joint Statistical Meetings, August 14, 2000; Indianapolis, ID.

Bilder, C. R. and Malone, C. J. "Statistics course web sites: BEYOND syllabus.html," Departmental seminar, Department of Statistics, Kansas State University, October 14, 1999; Manhattan, KS.

Rumsey, D. J. and Bilder, C. R. "A Statistics Teaching and Resource Library (STAR) on the WWW," Invited Technical Exhibit at the 1999 Joint Statistical Meetings, August 8, 1999; Baltimore, MD.

Malone, C. J. and Bilder, C. R. "Introductory statistics course web sites: BEYOND syllabus.html," Contributed paper at the 1999 Midwest Conference on Teaching Statistics, June 26, 1999; Oshkosh, WI.

Bilder, C. R. "What's inside Sunny D juice containers?" Departmental seminar, Department of Statistics, Kansas State University, September 14, 1997; Manhattan, KS.

Bilder, C. R. "An introduction to S-PLUS," Departmental Seminar, Statistics Group, Idaho National Engineering and Environmental Laboratory (INEEL), July 15, 1997; Idaho Falls, ID.

Bilder, C. R. "So Chris, what did you do this summer?" Departmental seminar, Department of Statistics, Kansas State University, September 12, 1996; Manhattan, KS.

Bilder, C. R. "On August 26, Dr. Dallas Johnson will ask: 'So Chris, what did you do on your summer vacation?'" Departmental seminar, Biometrics and Data Management Department, Hoechst Marion Roussel, August 15, 1996; Kansas City, MO.

## **HONORS AND ACTIVITIES**

### **Academic Honors**

- Kansas State University Department of Statistics Holly and Beth Fryer Scholarship
- American Society for Quality Statistics Division's Ellis R. Ott Scholarship
- University of Nebraska-Omaha Regents Scholarship (full tuition scholarship)
- University of Nebraska-Omaha Mathematics Department James M. Earl Scholarship (won twice)
- Association of Old Crows Scholarship
- 1999 Kansas State University Outstanding Graduate Teaching Assistant of the Year Award
- KQLA/103.5FM Wildcat Honor Roll Award
- University of Nebraska-Omaha Dean's List: Fall '90 - Spring '94

### **Professional Memberships and Activities**

- American Statistical Association
- International Biometrics Society (ENAR)
- Institute of Mathematical Statistics
- Kansas State University Statistics Club (Treasurer in Fall '97 - Spring '98)
- Kansas State University Conference on Applied Statistics in Agriculture volunteer
- Organized the Kansas State University Department of Statistics 1999 open house activities under the theme "Let's Play Plinko!"
- Omaha Student Actuary Club: Spring '92 - Spring '94 (VP in Fall '93 - Spring '94)
- Golden Key National Honor Society

### **Athletic Activities**

- Intramural volleyball (Captain in Fall '93 - Fall '94 and Fall '96 - Fall '99)

## **FOR MORE INFORMATION**

More detailed information is available at [www.chrisbilder.com](http://www.chrisbilder.com). The web site is best viewed in Internet Explorer 4.0 or higher and 1024×768 true color (32 bit) screen resolution.