

Xiaoyin Wang

Education

Ph.D. Statistics, August 2002

University of Missouri-Columbia

Dissertation:

Bayesian analysis of capture-recapture sampling for a closed population

Graduate studies in statistics, September 1997- December 1998

Masters' level coursework

East China Normal University

Shanghai, China

B.A. Statistics, June 1997

East China Normal University

Shanghai, China.

Minor: International finance

East China Normal University Shanghai, China

Professional Experience

Assistant Professor, September 2002 – Present

Towson University, Baltimore, Maryland

Mathematics Department

Student Internship, October 1999 – July 2001

Missouri Department of Conservation

University of Missouri, Columbia, Missouri

Cooperated with biologists on selected wildlife projects

Assisted in data analysis

Helped with grant proposal and final report writing

Publications

Xiaoyin Wang, Kevin Koepenic (2006) *Logistic regression analysis of well failure in Baltimore County*. Journal of applied statistics (in review)

Xiaoyin Wang, (2006). *Non-informative Bayesian Population Estimate for Homogeneous Poisson Capture-Recapture Models*. Journal of Applied Statistical Science (In review).

Xiaoyin Wang, Chong Z. He, and Dongchu Sun (2005). *Bayesian Population Estimation for Small Sample Capture-recapture Data Using Noninformative Priors*. Journal of Statistical Inference and Planning.

Xiaoyin Wang, Chong Z. He, and Dongchu Sun (2005). *Bayesian inference on the patient population size given list mismatches*. Statistics in Medicine 24, 249-267.

Yao D.Q., Yue X, Wang X, and Liu J. (2005) *The Impact of Information Sharing on a Returns Policy with the Addition of a Direct Channel*. International Journal of Production Economics 97, 196-209

Rochelle Renken, Wendy Gram, Debra Fantz, Stephen Richter, Timothy Miller, Kevin Ricke, Bradley Russell and Xiaoyin Wang (2004) *Effects of Forest Management on Amphibians and Reptiles in Missouri Ozark Forests*. Conservation Biology 18 (1), 174-188

Wang, Xiaoyin, He, Chong Z. and Sun, Dongchu (2003) *Bayesian population estimate in epidemiology*. ASA Proceedings of the Joint Statistical Meetings, 4440-4445, American Statistical Association (Alexandria, VA)

Presentations

Xiaoyin Wang. Non-informative Bayesian Population Estimate for Homogeneous Poisson Capture-Recapture Models. International Conference on Frontiers in Statistics, Biostatistics and Bioinformatics, Changchun, China, July 7-8, 2006

Xiaoyin Wang, Chong Z. He, and Dongchu Sun. *Bayesian Population Estimation for Small Sample Capture-recapture Data Using Noninformative Priors*. Fifth Hawaii International Conference on Statistics, Mathematics, and Related Fields, Honolulu Hawaii 13-18, 2006

Wang, X., He, Z. and Sun, D. "Bayesian Estimation of Wildlife Population Sizes Using Noninformative Priors", Conference on New Developments of Statistical Analysis in Wildlife, Fisheries, and Ecological Research Columbia, Missouri October (Poster) 13~16, 2004,

Wang, X., Sun, D. and He, Z., "Bayesian Capture-Recapture application in Epidemiology". Joint Statistical Meeting, San Francisco. August, 2003

Wang, X., Sun, D. and He, Z., "Bayesian analysis for capture-recapture model". The Wildlife Society Annual Meeting, Reno, NV. (Poster). September, 2001.

Wang, X., Sun, D. and He, Z., "Bayesian Capture-Recapture Model with Time Variation". Joint Statistical Meeting, Atlanta, GA. August, 2001.

Professional membership

- American Statistical Association
- Section of Bayesian Statistical Science
- Section of Biopharmaceutical
- Section of Government Stats
- Maryland Chapter