Robert Foster

CONTACT INFORMATION	Snedecor Hall Iowa State University 2438 Osborn Drive Ames IA 50014

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RESEARCH INTERESTS

Applications of statistical methods, Bayesian and empirical Bayesian methods, bootstrap and other Monte Carlo methodologies, statistical programming, statistical methods as applied to the sciences, and sports statistics.

EDUCATION

Ph.D. in Statistics

Iowa State University, Ames, IA, August 2016 (Expected)

- Thesis title: Methods for Empirical Bayesian Intervals (Preliminary)
- Adviser: Mark S. Kaiser

M.S. in Statistics

Iowa State University, Ames, IA, December 2010

- Adviser: Alyson Wilson

B.S. in Applied Mathematics

Oklahoma State University, Stillwater, OK, May 2007

- Summa cum laude
- Minor in Computer Science

EMPLOYMENT HISTORY

Iowa State University, Ames, IA

Research Assistant, 2007-2010

- Department of Statistics

Instructor, 2010-2016

- Department of Statistics

TEACHING EXPERIENCE

Iowa State University, Ames, IA USA

Instructor   **August 2010 to May 2016**

- Instructor for Principles of Statistics, Fall 2010, Spring 2011, Summer 2011, Fall 2011, Spring 2012, Summer 2012
- Instructor for Probability and Statistics for Computer Science, Fall 2012, Spring 2013, Fall 2013, Spring 2014
- Instructor for Engineering Statistics, Fall 2014
- Instructor for Probability and Statistical Inference for Engineers, Spring 2015, Spring 2016

PUBLICATIONS
IN PREPARATION

Foster, R., and Kaiser, M., "On the Length of Empirical Bayesian Intervals in the Beta-Binomial Model," *Journal of the American Statistical Association,* (Preliminary)

Foster, R., "Empirical Bayesian Estimation with Correlation between Success and Sample Size." *Statistical Modelling* (Preliminary)

Foster, R. "An Empirical Bayesian Estimate for Winning Percentage in Major League Baseball," *Journal of Quantitative Analysis in Sports* (Preliminary)

PROFESSIONAL
MEMBERSHIP

- American Statistical Association

COMPUTER
EXPERTISE

Statistical Software: R, JMP, SAS
Programming Languages: C, Java
Applications: TeX, LaTeX, BibTeX, Microsoft Office
Operating Systems: Microsoft Windows