Katherine Goode

Curriculum Vitae, February 2019

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Ames, IA

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Education

Ph.D., Statistics   Expected Completion December 2020
Iowa State University, Ames, IA

M.S., Statistics   Completed May 2015
University of Wisconsin, Madison, WI
Master's Examination Completed Fall 2014

B.A., Mathematics   Completed June 2013
Lawrence University, Appleton, WI
Summa Cum Laude

Study Abroad
University of Granada   Summer 2012
Lawrence London Centre   Fall 2010

Employment

Consulting Research Assistant   Summer 2016 - current
Iowa State University

Teaching Assistant   Spring 2016
Iowa State University

Statistical Study Assistant   Fall 2014 - Spring 2015, Winter 2015
Research Administration Office
Lawrence University

Lecturer of Mathematics   Fall 2015
Lawrence University

Teaching Assistant   Fall 2013 - Spring 2015
University of Wisconsin, Madison

Academic Mentor   Fall 2014 - Spring 2015
Center for Academic Excellence
University of Wisconsin, Madison

Teaching Experience

Seminar Leader
P3 Graduate Student Bootcamp on Statistics, Iowa State University   Summer 2018

Lecturer
Statistics 101: Introduction to Statistics, Iowa State University   Spring 2016
Mathematics 107: Elementary Statistics, Lawrence University   Fall 2015

Teaching Assistant
BMI 552: Regression Methods for Population Health Graduate Students, UW Madison   Spring 2015
BMI 551: Introduction to Biostatistics for Population Health Graduate Students, UW Madison   Fall 2014
Statistics 301: Introduction to Statistical Methods, UW Madison   Summer 2014
Statistics 302: Accelerated Introduction to Statistical Methods, UW Madison   Spring 2014
Statistics 371: Introductory Applied Statistics for the Life Sciences, UW Madison   Fall 2013

Academic Mentor
Mentor for students in introductory statistics courses at the University of Wisconsin, Madison.

Statistics Tutor
Introductory Statistics Courses, University of Wisconsin, Madison

Research Interests

Data Visualization, Environmental Statistics, Generalized Linear Mixed Models, Model Diagnostics, R Package Development

Statistical Consulting Experience

Agriculture Experiment Station Consulting Group, Iowa State University Summer 2016 - current

Responsibilities

- Advise graduate students, faculty, and staff at Iowa State University on their statistical analyses for their research projects

- Write code for clients' analyses as necessary

- Teach clients about proper statistical techniques

Statistical Consulting Course, UW Madison   Fall 2014

Projects

- Understanding the Relationship between the Presence of Adult Spotted Wing Drosophila and Fruit Infestation of Upper Midwestern Grape Varieties, A statistical analysis of Emma Pelton's (M.S. in entomology and agroecology candidate, UW Wisconsin) study

- Cell Structure-Function Teaching Methods in Honors Biology, A statistical analysis of methods for teaching structure-function relationships of biomolecules in the Biocore program at UW Madison

- Can Clover Act as Natural Fertilizer for Winter Cereal Crops and Feed Cattle? A Statistical Analysis of an Experiment by the UW Madison Department of Agronomy Studying the Effect of the Addition of Clover to Cereal Crops in Terms of Yield and Nutritive Value for Cattle Feed

Awards

Iowa State University Department of Statistics Dan Mowrey Consulting Excellence Award	2018
Iowa State University Statistics Departmental Award for Experiential Development	2017