Wei Zhang

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Experience

4+ years in research in optimal designs for panel mixed logit model under advisement of John Stufken and Abhyuday Mandal.

Conduct research that is closely related to and has applications in marketing, health care and transportation, studying optimal designs for discrete choice models (construction of questionnaires) and generalized linear (mixed) models, planning and doing large scale simulation in R connected with Fortran.

5+ years experience in data analysis with discrete choice models, regression models, classification methods, clustering methods, time series models, longitudinal data analysis, etc.

5+ years as teaching assistant, University of Georgia.

Courses include: core courses for graduate students, undergraduate lab, etc.

1 year as consultant, consulting center, University of Georgia.

Knowledge and skills

Basic knowledge : choice modeling (multinomial logit model, hierarchical Bayes model), regression analysis (linear and nonlinear models), classification (SVM, KNN, random forest, neural networks, decision trees), clustering (K-means, mixture modeling, hierarchical clustering), time series (AR, ARMA, GARCH, exponential smoothing), longitudinal data analysis, design of experiment, hypothesis testing, Bayesian statistics, optimization methods.

Programming: R (with Fortran), Python (Pandas, NumPy, SciPy, Scikit Learn, Matplotlib), SAS, SQL, shell scripts.

Languages: English, Chinese.

Honors

Best Beginning Theoretical Student, Department of Statistics, University of Georgia, 2009.

Education

Ph.D. and M.S. in Statistics, University of Georgia, 2015.

B.A. and M.S. in Mathematics, Beijing Institute of Technology, 2008.

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