Maryclare Griffin

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Education

University of Washington, Seattle, WA 2013-2018 (Expected)
Ph.D. Student, Statistics
Advisor: Peter Hoff

University of Chicago, Chicago, IL 2008-2012
B.A., Economics with Honors, Statistics

Publications

Published

Griffin M., Erosheva E. A., Fredriksen-Goldsen K., Gile K., Handcock M. "Assessing Feasibility of Respondent-Driven Sampling for Estimating Characteristics in Populations of Lesbian, Gay and Bisexual Older Adults."

Forthcoming, Annals of Applied Statistics.

Holstein, C., Griffin M., Hong J., Sampson P. (2015) "A Statistical Method for Determining and Comparing Limits of Detection of Bioassays."

Analytical Chemistry. 87(19):9795-9801.

Under Review

Griffin M., Hoff, P. D. "Testing Sparsity-Inducing Penalties."

Submitted, https://arxiv.org/abs/1712.06230.

Griffin M., Hoff, P. D. "LANOVA Penalization for Unreplicated Data."

Submitted, https://arxiv.org/abs/1703.08620.

In Preparation

Griffin M., Hoff, P. D. "Structured Shrinkage Using Hadamard Product Priors."

Software

Griffin M. `gnorm`: Generalized Normal/Exponential Power Distribution. `R` package version 1.0.0, *https://cran.r-project.org/web/packages/gnorm/index.html.*

Honors and Awards

Frontiers in Forecasting Best Poster Prize 2018

Women in Statistics and Data Science Conference Travel Award 2016

Survey Research Methods, Government Statistics, and Social Statistics Sections Student Paper Award 2015

National Science Foundation Graduate Research Fellowship 2013

University of Washington, Blalock Fellowship 2013

University of Chicago, Goldberg Award in Economics June 2012

Teaching Experience

Department of Statistics, University of Washington Spring 2016
Teaching Assistant for CSS&S564: Bayesian Statistics (Peter Hoff)

Department of Statistics, University of Washington Fall 2014
Grader for CSS&S589: Multivariate Data Analysis for the Social Sciences (Elena Erosheva)

Presentations

Topic Contributed Talks

Empirical Bayes Methods for Penalized Regression: Estimation for Noisy Matrices/Tensors Without Replicates and Penalized Regression with Unknown Norm Penalty.

Joint Statistical Meetings, Baltimore, MD; August 2017.

Model-Based Testing of Sparsity Inducing Penalties.

Western North American Region of The International Biometric Society Conference. Santa Fe, NM; June 2017.

Using Hierarchical Models to Understand P300-Wave–Based Brain-Computer Interface Performance Among Disabled Adults.

Joint Statistical Meetings, Chicago, IL; August 2016.

Assessing Feasibility of Respondent-Driven Sampling Using Pilot Data with an Application to Older Lesbian, Gay, and Bisexual Adults.

Joint Statistical Meetings, Seattle, WA; August 2015.

Poster Presentations

Testing Sparsity-Inducing Penalties.

Frontiers in Forecasting, Institute for Mathematics and Its Applications. Minneapolis, MN, February 2018.

Sparse, Structured Matrix Estimation via ℓ_1 Penalization of ANOVA Decomposition.

Opening Workshop of the 2016-2017 Program on Optimization, SAMSI. Research Triangle Park, NC, September 2016.

Additional Research Experience

Department of Statistics, University of Washington 2013-2015
Research Assistant with Dr. Elena Erosheva

Economics Research Center, University of Chicago 2011-2013
Research Assistant with Dr. James Heckman

Service and Affiliations

University of Washington

StatCom Member 2016-Present
Graduate Student Representative 2014-2015
Graduate and Professional Student Senate Representative 2013-2014

Reviewer

Journal of Computational and Graphical Statistics
Sociological Methodology
Statistics Surveys

Conferences

Topic Contributed Session Chair, Joint Statistical Meetings, Baltimore, MD; August 2017.

Contributed Session Chair, Joint Statistical Meetings, Seattle, WA; August 2015.

Member

American Statistical Association	2014-Present
Institute of Mathematical Statistics	2017-Present
Caucus for Women in Statistics	2017-Present
International Biometric Society	2017-Present
Western North American Region	2017-Present