

MATTHEW GALLOWAY

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I. RESEARCH INTERESTS

Statistical machine learning, multivariate analysis, precision matrix estimation, sufficient dimension reduction, and kernel methods.

II. EDUCATION

Ph.D. Student in Statistics School of Statistics University of Minnesota, Minneapolis, MN Advisor: Adam J. Rothman, Ph.D	2015 - Present
B.S. in Statistics, Actuarial Science, B.A. in Mathematics Minor in Renaissance University of St. Thomas, St. Paul, MN	2011 - 2015

III. WORK EXPERIENCE

Graduate Instructor School of Statistics University of Minnesota, Minneapolis, MN	2018 - Present
Research Assistant School of Statistics University of Minnesota, Minneapolis, MN	2018 - Present
Statistical Consultant Institute for Research on Statistics and its Applications (IRSA) School of Statistics University of Minnesota, Minneapolis, MN	2017 - Present
Tutor University of Minnesota, Minneapolis, MN	2017 - Present
Teaching Assistant School of Statistics University of Minnesota, Minneapolis, MN	2015 - Present
Research Assistant University of St. Thomas, St. Paul, MN	2013 - 2015
Actuarial Intern Thrivent Financial, Minneapolis, MN	Summer 2014

IV. TEACHING EXPERIENCE

GRADUATE INSTRUCTOR:

- STAT 3011: *Introduction to Statistical Analysis* Fall 2018

TEACHING ASSISTANT:

- STAT 8052: *Applied Statistical Methods II* Spring 2018
- STAT 4893W: *Consultation and Communication for Statisticians* Spring 2017
- STAT 3032: *Regression and Correlated Data* Fall 2016
- STAT 3021: *Introduction to Probability and Statistics* Spring 2016
- STAT 1001: *Introduction to the Idea of Statistics* Fall 2015

TUTOR:

- MBA 6120: *Data Analysis and Statistics for Managers*
- STAT 3022: *Data Analysis*

V. PUBLICATIONS

Galloway, M., Johnson, A., and Shemyakin, A. (2017). Time-to-Default Analysis of Mortgage Portfolios. *Model Assisted Statistics and Applications* 12.4 (2017): 359-367.

VI. SOFTWARE

Galloway, M. (2018). CVglasso: Cross validation package for the popular *glasso* package. R package, <https://cran.r-project.org/web/packages/CVglasso/index.html>.

Galloway, M. (2018). ADMMsigma: Estimates a penalized precision matrix via the ADMM algorithm. R package, <https://cran.r-project.org/web/packages/ADMMsigma/index.html>.

Galloway, M. (2018). SCPME: Shrinking Characteristics of Precision Matrix Estimators. R package, <https://cran.r-project.org/web/packages/SCPME/index.html>.

VII. PRESENTATIONS

Indirect High-Dimensional Regression December 2017
Advanced Topics in Statistics Capstone, (Minneapolis, MN)

Partial Least Squares Regression November 2017
Literature Seminar, (Minneapolis, MN)

logitr - A Penalized Logistic Regression Package for R May 2017
Advanced Statistical Computing Capstone, (Minneapolis, MN)

Introduction to Kernel Methods February 2017
Literature Seminar, (Minneapolis, MN)

Reinforcement Learning December 2016
Literature Seminar, (Minneapolis, MN)

fMRI Voxel Activity Prediction December 2016
Advanced Regression and Multivariate Analysis Capstone, (Minneapolis, MN)

Time-to-Default Analysis of Mortgage Portfolios November 2016
Literature Seminar, (Minneapolis, MN)

Graduate School Panel <i>Twin Cities Chapter American Statistical Association (St. Paul, MN)</i>	May 2016
Poster. Time-to-Default Analysis of Mortgage Portfolios <i>MCMSki Conference (Chamonix, France)</i>	January 2014
Poster. Time-to-Default Analysis of Mortgage Portfolios <i>Inquiry at UST (St. Paul, MN)</i>	September 2013
Time-to-Default Analysis of Mortgage Portfolios <i>CSUMS Research Seminar (St. Paul, MN)</i>	August 2013

VIII. AWARDS AND HONORS

Lynn Lin Fellowship	May 2017
Allianz Life Endowment Scholarship	April 2014
Young Investigator Travel Grant	January 2014
International Education Scholarship	January 2014
Minnesota Risk and Insurance Management Society (RIMS) Scholarship	April 2013