

## MATTHEW C. GALLOWAY

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### I. EDUCATION

**M.Sc. Statistics** 2015 - 2018

University of Minnesota, Minneapolis, MN

Advisor: Adam J. Rothman, Ph.D

- *Previously Ph.D. student, fulfilled all required coursework*

**B.S. in Statistics, Actuarial Science, B.A. in Mathematics** 2011 - 2015

University of St. Thomas, St. Paul, MN

- *Passed exams P/1, FM/2, MFE/3 (fulfilled all VEE)*

### II. WORK EXPERIENCE

**Graduate Instructor** Fall 2018

University of Minnesota - School of Statistics

- *STAT 3011: Introduction to Statistical Analysis (135 students)*

**Graduate Research Assistant** Summer 2018

University of Minnesota - School of Statistics

- *Developed algorithms for efficient precision matrix estimation*
- *Required extensive R package development, C++ coding*

**Freelance Data Scientist** Spring 2018

University of Minnesota - School of Statistics

**IRSA Statistical Consultant** Fall 2017

Institute for Research on Statistics and its Applications (IRSA)

University of Minnesota - School of Statistics

- *Advise clients on proper statistical analysis*
- *Required extensive ggplot, model development, experimental design*

**Actuarial Intern** Summer 2014

Thrivent Financial, Minneapolis, MN

- *Performed sensitivity analysis for life product*

### III. SOFTWARE/PUBLICATIONS

**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>.

**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.

### IV. AWARDS AND HONORS

Lynn Lin Fellowship May 2017

Allianz Life Endowment Scholarship April 2014

Minnesota Risk and Insurance Management Society (RIMS) Scholarship April 2013