Matthew C. Galloway

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Education

University of Minnesota, Minneapolis, Minnesota
School of Statistics, Doctorate of Philosophy (Ph.D.)
- Research interests include: statistical machine learning, kernel methods, classification, sufficient dimension reduction, envelope methods, computer vision, MCMC.

University of St. Thomas (Liberal Arts), St. Paul, Minnesota   Graduation: May 2015
Majors: **B.S. Statistics, B.S. Actuarial Science,** Renaissance Minor
         B.A. Mathematics (concentration in Applied Mathematics)

Actuarial Exams Passed: P/1; FM/2; MFE/3 (fulfilled all VEE requirements)

Research

Envelope Methods
- Envelopes are nascent methodology aimed at increasing efficiency in the multivariate estimation and prediction setting. Advised by Dr. Dennis Cook.
- Potential for huge efficiency gains in applications like computer vision, tensor regression.

Logitr - A Penalized Logistic Regression Package for R
- Provides estimates for linear and logistic regression with optional ridge and bridge regularlization. Written in C++. Available on Github: MGallow/logitr.

Default Analysis of Mortgage Portfolios
- Used MCMC to model time-to-default of subprime mortgages in 2002-2010. Presented at MCMSki Conference, Chamonix, France, January 2014. *Paper accepted in MASA.*

Work Experience

Statistical Consultant   June 2017 - Present
Institute for Research on Statistics and its Applications (IRSA)
- Advise clients, including professors and faculty at the university, on the proper statistical analysis related to their research.

Teaching Assistant   Sept. 2015 - Present
University of Minnesota - Twin Cities
- STAT 1001, STAT 3021, STAT 3032, STAT 4893W

Tutor   June 2017 - Present
University of Minnesota - Twin Cities
- STAT 3022, MBA 6120

Research Assistant   Jan. 2013 - Aug. 2015
University of St. Thomas
- Developed exercises as supporting materials for *Introduction to Bayesian Estimation and Copula Models of Dependence*.

Awards

Lynn Lin Fellowship	May 2017
Allianz Life Endowment Scholarship	April 2014
Young Investigator Travel Grant	Jan. 2014
International Education Scholarship	Jan. 2014