

Matthew C. Galloway

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Education	University of Minnesota , Minneapolis, Minnesota School of Statistics , Doctorate of Philosophy (Ph.D.)	Sept. 2015 - Present
	<ul style="list-style-type: none">Research interests include: statistical machine learning, multivariate analysis, precision matrix estimation, sufficient dimension reduction, and kernel methods.	
	University of St. Thomas (Liberal Arts), St. Paul, Minnesota Majors: B.S. Statistics, B.S. Actuarial Science , Renaissance Minor B.A. Mathematics (concentration in Applied Mathematics)	Graduation: May 2015
	Actuarial Exams Passed: P/1; FM/2; MFE/3 (fulfilled all VEE requirements)	
Research	SCPME - R package	
	<ul style="list-style-type: none">An implementation of the methods described in “Shrinking Characteristics of Precision Matrix Estimators” by Aaron J. Molstad, Ph.D and Adam J. Rothman, Ph.D. Available on CRAN or Github (MGallow/SCPME).	
	ADMMsigma - R package for precision matrix estimation	
	<ul style="list-style-type: none">Estimates a penalized precision matrix via ADMM algorithm. Written in C++. Available on CRAN or Github (MGallow/ADMMsigma).	
	Default Analysis of Mortgage Portfolios	
	<ul style="list-style-type: none">Used MCMC to model time-to-default of subprime mortgages in 2002-2010. Presented at MCMSki Conference, Chamonix, France, January 2014. <i>Paper accepted in MASA.</i>	
Work Experience	Graduate Instructor	June 2018 - Present
	University of Minnesota - School of Statistics	
	<ul style="list-style-type: none">STAT 3011: <i>Introduction to Statistical Analysis</i>	
	IRSA Statistical Consultant	Aug. 2017 - Jan. 2018
	Institute for Research on Statistics and its Applications (IRSA)	
	<ul style="list-style-type: none">Advise clients, including professors and faculty at the university, on the proper statistical analysis related to their research.	
	Research Assistant	June 2018 - Present
	University of Minnesota - School of Statistics	
	<ul style="list-style-type: none">My current research is broadly related to efficient precision matrix estimation under the supervision of Adam J. Rothman, Ph.D.	
	University of St. Thomas	
	<ul style="list-style-type: none">Developed exercises as supporting materials for <i>Introduction to Bayesian Estimation and Copula Models of Dependence</i>.	
	Actuarial Intern	May 2014 - Aug. 2014
	Thrivent Financial	
	<ul style="list-style-type: none">Automated Thrivent’s existing master files and performed sensitivity analysis for a proposed life product using ALFA software.	