

FEI XUE

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INFORMATION	Homepage: https://feixue-stat.github.io/	Philadelphia, PA, USA
EMPLOYMENT	Postdoc Researcher, University of Pennsylvania	08/2019 – present
EDUCATION	University of Illinois at Urbana-Champaign	Illinois, USA
	• PhD in Statistics	2014–2019
	• Advisor: Annie Qu	
	University of Illinois at Urbana-Champaign	Illinois, USA
	• M.S. in Statistics	2014–2017
	Fudan University	Shanghai, China
	• B.S. in Mathematics and Applied Mathematics	2010–2014
HONORS & AWARDS	• ICSA New Researcher Award	2019
	• IMS Hannan Graduate Student Travel Award, Institute of Mathematical Statistics	2019
	• ASA Student Paper Award, Statistical Learning and Data Science Section of the American Statistical Association	2018
	• Horace W. Norton Prize for Outstanding Thesis Research Finalist, Department of Statistics, UIUC	2018
	• The Third Place in Student Poster Competition of the Fourth International Workshop on the Statistical Analyses of Multi-Outcome Data	2018
	• Conference Travel Grant for Graduate Students (Twice)	2017
	• Meritorious Winner of Mathematical Contest in Modeling	2013
	• Bronze medal in Chinese Mathematical Olympiad, National Final	2010
	• First Prize in Chinese High School Mathematics Contest	2009
RESEARCH INTERESTS	Model selection, missing data, high dimensional data, data integration, mediation, precision medicine, survival analysis	
PUBLICATIONS	<ul style="list-style-type: none">• Fei Xue, Annie Qu. Integrating multi-source block-wise missing data in model selection. Under revision in <i>Journal of the American Statistical Association</i>.• Fei Xue, Annie Qu. Semi-standard partial covariance variable selection when irreparable conditions fail. Submitted to <i>Journal of the American Statistical Association</i>.• Fei Xue, Yanqing Zhang, Wenzhuo Zhou, Haoda Fu, Annie Qu. Multicategory angle-based learning for estimating optimal dynamic treatment regimes with censored data. To be submitted to <i>Journal of the American Statistical Association</i>.• Xiwei Tang, Fei Xue, Annie Qu (2019+). Individualized multi-directional variable selection. <i>Journal of the American Statistical Association</i>, accepted.• Simona Buetti, Fei Xue, Jyoen Hur, Gavin Jun Peng Ng, and Wendy Heller. Distortions in time perception: Individual differences and sense of control. Submitted to <i>Consciousness and Cognition</i>.	

- Grace S Kim, Alicia Smith, **Fei Xue**, Vasiliki Michopoulos, Adriana Lori, Don L. Armstrong, Allison E. Aiello, Karestan C. Koenen, Sandro Galea, Derek E. Wildman, and Monica Uddin (2019). Methylomic profiles reveal sex-specific shifts in leukocyte composition associated with post-traumatic stress disorder. *Brain, Behavior, and Immunity*, 81: 280–291.

CONSULTING EXPERIENCE	PACE Bus Service <ul style="list-style-type: none"> • Analyzed the previous whole years data for Chicago suburban bus service • Identified significant patterns for weekdays, months, quarters, different types of vehicles, districts, and service types (in time and mileage) • Predicted the demands and sample sizes for next year 	2017
PRESENTA- TIONS	Invited talk: “Integrating multi-source block-wise missing data in model selection”, ICSA Applied Statistics Symposium, Raleigh, NC Invited talk: “Variable Selection for Highly Correlated Predictors”, Conference of Statistical Challenges for Large-Scale Complex Data, Yunnan University, Kunming, China Contributed Talk: “Variable Selection for Highly Correlated Predictors”, JSM, Vancouver, Canada Student presentation: “Integrating multi-source block-wise missing data in model selection”, Borher Workshop, Champaign, IL Student presentation: “Variable Selection for Highly Correlated Predictors”, Borher Workshop, Champaign, IL Poster: “Variable Selection for Highly Correlated Predictors”, SAM, Saint Louis, MO Poster: “Variable Selection for Highly Correlated Predictors”, IGB Theme Hop, Champaign, IL	2019 2017 2018 2018 2017 2018 2018
TEACHING EXPERIENCE	Instructor for Stat 200: Statistical Analysis <ul style="list-style-type: none"> • Planned and led a class for about 50 students, gave lectures, held office hours, tutored language R, designed homework and exams Graduate Teaching Assistant <ul style="list-style-type: none"> • Stat 410: Statistics and Probability II • Stat 510: Mathematical Statistics I • Stat 511: Mathematical Statistics II • Stat 448: Advanced Data Analysis • Stat 427: Statistical Consulting 	Fall 2016 Fall 2014, Summer 2015 Spring 2015, Fall 2015 Spring 2016 Summer 2016 Spring 2017
SERVICE	Session Chair of Prediction and inference for high-dimensional data and non-parametric models: International Chinese Statistical Association 2017, Chicago, IL Session Chair of Machine Learning Applications: Joint Statistical Meeting 2017, Baltimore, MD Reviewer of Electronic Journal of Statistics (2) Reviewer of Journal of the American Statistical Association (2) Reviewer of Journal of Nonparametric Statistics (1)	