FEI XUE

CONTACT INFORMATION	Email: `fei.xue@pennmedicine.upenn.edu` Homepage: `https://feixue-stat.github.io/`	423 Guardian Drive #207 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

- **Fei Xue**, Annie Qu. Integrating multi-source block-wise missing data in model selection. Under revision in *Journal of the American Statistical Association*.
- **Fei Xue**, Annie Qu. Variable selection for highly correlated predictors. Submitted to *Journal of the American Statistical Association*.
- **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 *Journal of the American Statistical Association*.
- Xiwei Tang, **Fei Xue**, Annie Qu (2019+). Individualized multi-directional variable selection. *Journal of the American Statistical Association*, accepted.
- Simona Buetti, **Fei Xue**, Juyoen Hur, Gavin Jun Peng Ng, and Wendy Heller. Distortions in time perception: Individual differences and sense of control. Submitted to *Consciousness and Cognition*.

- 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** 2017

PACE Bus Service   2017
- 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

PRESENTATIONS

Invited talk: "Integrating multi-source block-wise missing data in model selection", ICSA Applied Statistics Symposium, Raleigh, NC   2019

Invited talk: "Variable Selection for Highly Correlated Predictors", Conference of Statistical Challenges for Large-Scale Complex Data, Yunnan University, Kunming, China   2017

Contributed Talk: "Variable Selection for Highly Correlated Predictors", JSM, Vancouver, Canada   2018

Student presentation: "Integrating multi-source block-wise missing data in model selection", Borher Workshop, Champaign, IL   2018

Student presentation: "Variable Selection for Highly Correlated Predictors", Borher Workshop, Champaign, IL   2017

Poster: "Variable Selection for Highly Correlated Predictors", SAM, Saint Louis, MO   2018

Poster: "Variable Selection for Highly Correlated Predictors", IGB Theme Hop, Champaign, IL   2018

TEACHING EXPERIENCE

Instructor for Stat 200: Statistical Analysis   Fall 2016
- Planned and led a class for about 50 students, gave lectures, held office hours, tutored language R, designed homework and exams

Graduate Teaching Assistant
- Stat 410: Statistics and Probability II   Fall 2014, Summer 2015
- Stat 510: Mathematical Statistics I   Spring 2015, Fall 2015
- Stat 511: Mathematical Statistics II   Spring 2016
- Stat 448: Advanced Data Analysis   Summer 2016
- Stat 427: Statistical Consulting   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)