

Wei Liu

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Interested Areas

- ◆ High-dimensional structure learning ; Modelling for missing data ; Machine Learning

Educational Background

◆ Sep. 2017 - Now	Doctor	SWUFE	Statistics	Advisor : Pro. Huazhen Lin
◆ Sep. 2015 - Jul. 2017	Master	SWUFE	Statistics	Advisor : Pro. Huazhen Lin
◆ Sep. 2011 - Jul. 2015	Bachelor	Southwest university	Mathematics	

Research

Published papers:

- ◆ Lei Guo, Wei Liu (2018). Quality Monitoring Technique Combining Bayesian Method with Sequential Procedure in CAT System. *Journal of Psychological Science*.

Submitted papers:

- ◆ Huazhen Lin, Wei Liu, Wei Lan (2018) . Regression Analysis with individual-specific patterns of missing covariates. Submitted to *Journal of Business and Economics Statistics*, in first round of minor revision.
- ◆ Wei Liu, Huazhen Lin, Yanyuan Ma, Ying Wei(2018) . Efficiently supervised structure learning of generalized regression model with ultra-high correlated covariates. Submitted to *Journal of the American Statistical Association*.

Working papers:

- ◆ Wei Liu, Huazhen Lin, Shurong Zheng (2019) . Generalized factor model for ultra-high dimensional mixed data.
- ◆ Huazhen Lin, Wei Liu(2019). Efficiently supervised and interpretable structure learning with ultra-high correlated covariates.
- ◆ Wei Liu, Shaogao Lv (2019). Trading off statistical accuracy and computational efficiency for randomized sketches of kernel PCA.

Project Experience

2016.5-2017.04 Credit scoring system for installment loan customers

- ◆ Based on R language, an automatic credit scoring system is developed, and the effect is good.

2017.11-2018.10 Premium determination of personal injury insurance in motor vehicle insurance

- ◆ The zero-inflated model is used to model the historical data of vehicle insurance, and the frequency and mean amount are predicted based R language.

2018.06-Now Intelligent marking system for Mathematics subjective questions

- ◆ The mathematical symbol calculation tool based on Python is optimized.

Academic Conference

2018.10	Participation in the 11th National Conference on Probability and Statistics
2018.11	Participation in the 2018 Guangzhou University doctoral Forum

Others

- ◆ Certificate: CET-6 (490 points); National computer level III
- ◆ Competition: 2015.09, Zhongguancun Graduate Mathematical Modeling Competition National third Prize
- ◆ Programming : Proficient in Matlab, R and SPSS, master Python and C, understand Plink