

Yuantong Li

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RESEARCH INTERESTS high-dimensional statistics, Bayesian methods, data mining, machine learning, natural language processing, online learning, and reinforcement learning

EDUCATION Aug 2023 Ph.D. in Statistics, Purdue University, Advisor: Dr. Guang Cheng
May 2018 M.S. in Statistics, North Carolina State University

July 2016 B.S. in Mathematics (Honors), Chu Kochen College (Shing-Tung Yau Mathematical Talent Class), Zhejiang University

PUBLICATION **Y. Li**, Q. Ma, and S. Ghosh. Determining the Number of Mixture Components of Heavy-Tailed Densities, *The 26th ACM SIGKDD Conference on Knowledge Discovery and Data Mining 2020. (KDD)*

S. Zhao, Y. Huang, C. Su, **Y. Li** and F. Wang. Interactive Attention Networks for Semantic Text Matching, *2020 IEEE International Conference on Data Mining. (ICDM)*

MANUSCRIPT **Y. Li**, C. Wang, and G. Cheng. (2020+). Online Forgetting Process for Linear Regression Models. *submitted*.

Y. Li, F. Yang, H. Rao, and R. Feng. (2020+). Effective Peel Learning for Small Data with Structured Features, *submitted*.

J. Duan, **Y. Li**, J. Guo, and G. Cheng. (2020+). Ranking with Tail-Attention Regression in Stock Cross-Sectional Selection, *working paper*.

WORKING EXPERIENCE Feb 2018 - Aug 2019 **Research Assistant (Full Time)** Advisor: Dr. Fei Wang
Cornell University

- Built a precise biomedical literature retrieval engine with deep learning and external knowledge.

Sep 2018 - Feb 2019 **Research Associate (Full Time)** Advisor: Dr. Huan Sun
Ohio State University

- Created the neural network topic model combined with variational Bayesian inference method to generative long texts of product review.

Oct 2015 - May 2016 **Quantitative Analyst (Intern)**
Department of Investment, Hangzhou CIEC International Co., Ltd, China.

RESEARCH EXPERIENCE Jan 2018 - Aug 2018 **Research Assistant** Advisor: Dr. Sujit Ghosh
North Carolina State University

- Developed a Cauchy mixture model for heavy tailed data and applied the model to Standard & Poor's 500 index daily return.

May 2017 - Aug 2017 **Research Assistant (Intern)** Advisor: Dr. Rui Feng
University of Pennsylvania

- Developed a novel deep learning algorithm that incorporates structure relationship among predictors and applied it to the fMRI data and genetic data.

TEACHING	Aug 2019 - Dec 2019	STAT 301 (Lab), Elementary Statistical Methods
ASSISTANT	Aug 2019 - Dec 2019	STAT 517, Statistical Inference
	Jan 2019 - May 2020	STAT 511, Statistical Methods
	Jan 2020 - May 2020	STAT 513, Statistical Quality Control
	Aug 2020 - Dec 2020	STAT 190, Data Mining
COURSEWORK	Statistical Inference I, II, Linear Model, Generalized Linear Model, Probability, Stochastic Process, Statistical Computing, Bayesian Inference, Optimization, Machine Learning, Reinforcement Learning, Algorithm and Data Structure.	
SKILLS	Programming: R, PYTHON, C++, Perl, L ^A T _E X Statistical Software: R, SAS Operating System: Linux, Unix, Windows	
PROFESSIONAL SERVICES	Journal Reviewer: IEEE TNNLS.	
WEBSITE	https://liyuantong93.com/home/	