

YIDONG ZHOU

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- Education** **University of Science and Technology of China (USTC)** **HEFEI, CHINA**
Candidate for a B.S. in Statistics, GPA: 3.74/4.3 (87.96/100)
• 2016 Excellent Student Scholarship (1%)
• Relevant Coursework: Bayesian Analysis(99), Regression analysis(90), Complex Analysis(90), Stochastic Process(95), Operations Research(97), Mathematical Statistics(92), Algebraic Structure(91), Practical Statistical Software(R & Python)(95), Data Structure and Database(91)
Aug 2015 – Present
- Experience** **INTERIM ANALYSES USING REPEATED CONFIDENCE BANDS FOR CRTS.** **CAMBRIDGE, MA**
Research Assistant, supervised by Professor Rui Wang
• Implemented Multivariate Repeated Confidence Bands(MRCBs) with R
• To be continued
Sept 2018 – Nov 2018
- IMPLEMENTATION OF RTREE, STREE AND MASAL** **NEW HAVEN, CT**
Research Assistant, supervised by Professor Heping Zhang
• Constructed R package with Rcpp
• Integrated C/C++ into R to implement Classification Trees (RTREE), Survival Analysis Trees (STREE) and Multivariate Adaptive Splines for Analysis of Longitudinal Data (MASAL) model
• Programmed powerful functions in R, such as R interface function, plot function, etc.
• Proposed an adaptive tree drawing algorithm which can calculate coordinates by recursive computation according to node distribution, and then arrange the position of each node in the plot
Jun 2018 – Sept 2018
- DATA ANALYSIS FOR INVENTORY MANAGEMENT** **SUZHOU, CHINA**
Research Assistant, supervised by Professor Yugang Yu
• Conducted case-driven survey of cross-border e-commerce to develop inventory management strategy
• Performed substantial cleaning of in-situ data from a top Amazon seller and fitted data in R and Python
• Used machine learning models to improve stock tracking accuracy, anticipate sales and customer traffic to forecast stock requirements
Dec 2017 – May 2018
- TEXT EMOTION ANALYSIS BASED ON THEME** **HEFEI, CHINA**
Research Assistant, Supervised by Professor Qi Liu
• Preprocessed Taobao users' review data with the Chinese text segmentation package (jieba) in Python
• Performed POS tagging, removed stop words and extracted text features based on the theme (price, express, etc.)
• Used K-Nearest Neighbor (KNN) algorithm to classify the text
Sept 2017 - Dec 2017
- Leadership** **USTC COMPUTER PROGRAMMING** **HEFEI, CHINA**
Teaching Assistant
• Lectured to over 90 UTSC students at Q&A sessions of *Computer Programming A* for four hours per week
• Managed lab guidance, graded student assignments
Sept 2017 – Jan 2018
- STUDENT UNION, MINISTER OF ACTIVITY** **HEFEI, CHINA**
Minister of Activity
• Led a team of 15 to draft policy memos, coordinated discussions, and finalize policy enactment
• Led development and launch of a performance assessment system to improve operational excellence
• Chaired monthly meetings to collect feedback from student representatives to improve the interaction between faculty and students
Sept 2016 - Jun 2017
- FRESHMEN SEMINAR** **HEFEI, CHINA**
Research Team Leader
• Read the essay related to our research topics
• Built a model about predicting global climate
• Completed the essay and thesis oral defense with teammates
• Got an A With the joint efforts of team members
Sept 2015 - Jun 2016
- Skills** **Statistics & Computer**
• Naive Bayesian Model, Decision Tree Model, Logistic Regression Model
• C, R, Python, MATLAB, Microsoft Office, HTML, CSS, JavaScript, Bootstrap, PS, AE
- Activities**
• Big Data & Computing Intelligence Contest
• National College Students Mathematical Modeling Competition
• Big Data Modeling Contest
• "Find the next madman" Competition

