

Yuwei(Susie) Shen

(+86)13261205100

shenyuwei981213@gmail.com

EDUCATION

Renmin University of China, B.S. Candidate in Statistics.

- Expected – June 2020 GPA: 3.78/4.00 (89.8/100) Rank: 9/41

RELEVANT COURSEWORK

Programming and software: C Programming; Introduction to Database System (using MySQL) ; Statistical Software (using R); Data Structure (using python); Neural Networks and Deep Learning(Coursera); Data Visualization and Communication with Tableau(Coursera).

Math and Statistics: Mathematical Analysis I-III; Advanced Algebra I-II; Probability Theory; Mathematical Statistics; Statistical Survey Experiment; Non-parametric Statistics; Stochastic Process; Regression Analysis; Sampling Technique; Multivariate Statistical Analysis; Real Analysis; Statistical Computing; Time Series Analysis; Experimental Design.

Other: Decision making and Technology Support, Game Theory, Operations Research, Stochastic Optimization

EXPERIENCE

Innovation Plan for Undergraduate Students in RUC, Team Member, third prize, 2018.2

Using AHP and Gray Relation Analysis to analyze the data collected from the survey about the students' attitude toward the vocational training and give policy insights.

Innovation Plan for Undergraduate Students, National level, Team leader, 2018.4-now

Select research topic about analysis of flipped classroom pattern in vocational training, design overall plans for carrying the research, design questionnaires.

Undergraduate Research, Research assistant, 2019.1-now

Help professor Yang Li to revise the English paper about racial difference on testicular cancer.

Research Assistant in Beijing Ipsos Market Consulting Co.,Ltd., Intern, 2018.7-2018.8

Help with data cleaning, data visualization, slides making and model building such as SEM and regression to analyze the relationship between customer satisfaction and phone-brand.

SELECTED CLASS PROJECTS

Book price prediction, Regression Analysis

Crawl data from jingdong's website using python, build regression model using R to predict book prices.

Text mining with job description dataset, Statistical Software

Derive and generate new variables with the job data; discover and analyze the relationship between the variables and salary.

Food picture Aesthetic score analysis, Statistical Software

Calculate the percentage of food in the whole picture, the distribution of line angles and contrast between the background entropy and food entropy; analyze their influence to the aesthetic score of the food pictures.



Non-parametric tests, Non-parametric Statistics

Simulate mixture of data from different distribution and write functions to test efficiency of different methods such as Normal Score test and Wilcoxon rank test.

Heavenly Stems and Earthly Branches, Data Structure

Design and achieve a linked list data structure using python which could store and calculate gan-zhi (Heavenly Stems and Earthly Branches) digits.

Taxi-taking Simulation, Introduction to Database System

Write functions to simulate taxi drivers and passenger's behavior and states; create user interface using pygame; achieve interaction of data between MySQL and python, store and update order information in the database system.

AWARD AND HONORS

National Math Competition for High School Students, first price, provincial level, 2015

National English Competition for College Students, second prize, 2017 Spring

‘Top 4’, English Experimental Student Debating, 2017.6

“Three Good Student” title, 2017.12

Scholarship for learning, second prize, 2018.9

SKILLS

- ✧ Skilled in R, python.
- ✧ Command of Tableau, SPSS and MySQL.
- ✧ Command of LaTeX and Git.
- ✧ Experienced in statistical analysis and statistical learning models.