Yuelin Zhou

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Target position: Data analyst

SUMMARY

Diligent, responsible data analyst with a Bachelor's degree of Arts in Statistics at UC Berkeley. Aiming to leverage analytical, communication and multitasking skills to successfully fill the Data Analytics role. Experienced in dealing with large datasets for analytical analysis, building models and testing result with primary R, Python and SQL. Passionate to learn difficult things and easily adapt to new environment.

EDUCATION

University of California, Berkeley   MAY 2021
Degree: Bachelor of Arts, Statistics   GPA: 3.4
Relevant Coursework: Time Series, Stochastic Modeling, Linear Modeling, Statistics Methodology, Probability Theory, Object-oriented programming, Techniques of Data Science, Microeconomics, Health Economics

PROFESSIONAL EXPERIENCE

City College of San Francisco Math Department   Sep 2018 – May 2019
Math Tutor   San Francisco, CA
- Mentored 20+ students per day and improved student's test performance by 50%
- Provided guidance to 10+ stressed students to improve their class performance and helped them pass the class
- Collaborated with staff members in the meeting to produce teaching plans and smoothed the class flows
- Discussed with coworkers on strategy to explain Math in simple clear way and improved the efficiency
Advanced skills: Mentorship, Teamwork

San Francisco Marin Food Bank   Jan 2018 – Apr 2018
Cal-fresh intern   San Francisco, CA
- Collected 2,000+ Customer Satisfaction Surveys and automated data entry to improve processing time by 20%
- Analyzed and processed 30+ data sets using MS Excel to make basic visualization such as boxplot, histogram
- Managed marketing and advertising activities by categorizing 2,000+ flyers and posters in four different types to improve the staff outreach process
Advanced skills: Management, Self-motivation

PROJECTS

Time series forecast   Fall 2020
- Built 4 complex SARIMA models and minimized their root mean-square error for Model selection
- Made predictions with 90% accuracy regarding the future on Covid-19 dataset using the best Models fit

Hypothesis testing on Family Household wealth   Summer 2020
- Performed bootstrapping and visualization using NumPy tools on a 6+ independent variables dataset
- Developed K-nearest neighbors, A/B testing and linear regression using hypothesis to investigate whether household speak other languages than English have significant effect (p-value > 0.05) on Household's wealth

Web scraping   Fall 2019
- Extracted raw data from Google Scholar's website and use regular expressions (RegEx) to get information from them such as their popular paper, speaking style and Mantra.
- Performed data cleaning, exploratory and visualization by applying all Advanced R packages (word-cloud, xml2, RColorBrewer, stringr, ggplot2, etc.)

LEADERSHIP EXPERIENCE

- Volunteered 2 years at Public library on managing books, customer service, cleaning stores as well as helping boss to set up meeting materials
- Volunteered to be a kindergarten teacher in the summer program by providing activities and educational plans for 20+ children

SKILLS

Programming:	Python (NumPy, Pandas, Matplotlib), R, SQL, MS Excel, Unix, Java
Classification:	K-nearest neighbors
Regression analysis:	Logistic regression, Simple Linear regression, Multiple linear regression
Model Selection:	Cross Validation, PCA, Stepwise regression