Tingyao Liu

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Skills

Programming: R, Stata, Python, SQL, Microsoft Office Suite
Certifications: CFA Level I Candidate, Bloomberg Market Concepts

Education

Boston University, Questrom School of Business   Boston, MA
M.S. Mathematical Finance & Financial Technology   September 2020 - December 2021

University of California, Berkeley   Berkeley, CA
B.A. Economics [GPA 4.00 / 4.00]   August 2018 - May 2020
- Coursework: Financial Economics, Economic Statistics and Econometrics, Game Theory, International Trade, The Structure and Interpretation of Computer Programs, Financial Accounting, Regression Analysis

Experience

Allied Millennial Partners, LLC   New York, NY
Data Analyst Intern   September 2020 – Present
- Collected data about 15-year stocks of a biotechnology company online via R and manipulated data (remove outliers- boxplot, data imputation) for supporting analysis of stock prediction
- Analyzed seasonality of its stock over years and evaluated weekly stock performance to support predicting stock prices
- Built a machine learning model (Arima, Linear) via R to predict stock in next 7 days with an accuracy rate of 60%
- Supported product managers to collect correct data via R and initiated suggestions based on analysis, translating technical knowledge into business information

Give2Asia   Oakland, CA
Finance & Operations Intern   September 2019 - February 2020
- Collected Financial data (Profits, Revenue, etc.) using Sql from investment banks, who invested investment portfolio (mutual funds, common stock, etc.) for our company, getting 10% return from investment
- Predicted target revenues and costs for next quarter based on previous financial data with 65% accuracy
- Gathered employees' work hours by business area to process accounts payable with expense report reviews; updated and performed reconciliations of client accounts in Salesforce
- Interviewed department managers and created work-flow charts as part of process improvement project to improve efficiency of financial and operational tasks

University of California, Berkeley   Berkeley, CA
Research Assistant, College of Natural Resources   March 2019 - May 2019
- Collected data about agriculture (agriculture yield, fuel, crop residual, etc.) from Department of Energy database via R and manipulated data before analysis
- Assisted in developing an interactive web-based mapping tool for biofuel availability in U.S., visualizing crop yield, biofuel consumption, and costs by each state
- Analyzed on failure of Department of Energy's promotion for biofuel utilization, finding economic reasons like low supply and high operation costs

Additional Information

Languages: Mandarin Chinese, English
Interests: Watching women's volleyball games, Hiking Mountain Qian
Community Service: Volunteered at Isla Vista Elementary School Tutoring Program to develop students' academic and social skills needed for junior high school