

ROWAN PAN

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EDUCATION

University of California, Berkeley

August 2017 - May 2021

B.A. Data Science and B.A. Economics

- Coursework: Intermediate Data Science, Advanced Probability, Applied Econometrics and Statistical Learning, Data Structures, Financial Economics, Linear Algebra and Differential Equations

WORK EXPERIENCE

Vodafone Global Enterprise

June - July 2018

Business Development Intern

- Involved in business development, met with Singaporean ride-sharing client to discuss the compatibility of Vodafone's connectivity-as-a-service IoT technology on its bike deployment in Southeast Asia.

PROJECTS

David Card's Applied Econometrics Final Project

Used econometric methods such as OLS, Instrumental Variables, and Regression Discontinuity to perform regression analysis on compliers in Chile college admissions data and Female-Male wage gap in R.

Gitlet

Implemented a version-control system with Java that mimics the design and basic structures of Git such as git status, add, commit, checkout, and remove using data structures like HashMaps and ArrayLists.

Return Profile and Risk of the S&P 500

Conducted time-series analysis and visualizations on dataset of SPY historical prices and dividends, visualized the semi-log CDF of cumulative returns and Gaussian CDF, and calculated the one-day VaR.

Spam vs. Ham Logistic Regression Classifier

Performed feature engineering in Python and used supervised learning methods alongside k-fold cross validation and ROC curves to train and test a classifier to predict fraudulent emails.

Bike Lanes: A Gateway to Gentrification

RESEARCH EXPERIENCE

Department of Economics, UC Berkeley

February 2019 - Present

Research Assistant

- Project 1: Labor Market Integration, Growth, and Inequality: Evidence from China's Hukou Reform
- Project 2: Payroll Taxes and Pass Through to Labor Market: Evidence from Brazil (Ongoing)

EXTRACURRICULAR

Co-Founder, Cal Trading Group

April 2020 - Present

Online trading group composed of 200+ people, dedicated to personal finance, trading principles, risk management, with emphasis on technical analysis.

SKILLS AND TOOLS

Proficient

Python (+numpy, pandas, scikit-learn, seaborn), Java, R, Excel VBA, SQL, LaTeX

Familiar

Stata, Github, Carto