Jenny Do

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EDUCATION

University of California, Santa Barbara **Santa Barbara, CA**
Bachelor of Science in Data Science and Statistics Summer 2022

- **Relevant Coursework:** Micro, Macro Economics; PSTAT 10 (R Programming), PSTAT 130 (SAS Programming), PSTAT 126 (Linear Regression and Diagnostics), PSTAT 131 (Machine Learning), PSTAT 174 (Time Series Analysis)

WORK & LEADERSHIP EXPERIENCE

Community West Bank **Goleta, CA**
Cyber Security & Risk Management Intern May 2021– August 2021

- Expanded methods of identification, tracking and monitoring of risk threats
- Maintained projects, data, and security for systems and controls related to the information security department
- Developed daily reports, quarterly system clearance reports and oversaw metadata changes

PROJECTS

Duolingo Data: A Study on Foreign Language Learning
GitHub Link: https://github.com/jendo41170/PSTAT-131-Duolingo-Project-Final.git

- Technologies Used: R, R Markdown, SAS
- Used a gzipped CSV file containing 13 million Duolingo student learning traces to create a model that aims to predict the learning difficulty for a specific word in one of the six languages, German, English, Spanish, French, Italian and Portuguese
- In the training phase, preformed data cleaning and conducted computational and visual exploratory data analysis
- In the model building stage, utilized stratified cross fold validation on the following models: Linear Regression, Random Forest, Boosted Trees, Nearest Neighbors

Research on Analytic Number Theory
GitHub Link: https://github.com/jendo41170/DRP-2021-Mobius-Function.git

- Technologies Used: Python, Excel, Latex
- Explored and presented the relationship between the Mobius Function, Mertens Function and their connections to the Riemann Hypothesis and Prime Number Theory in a 2-person team over 16 weeks
- Designed and implemented python code to create unique plots supporting our findings

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: R, SQL, Python, Excel, SAS, Tableau, C++
Activities: DRP (Research on analytic number theory), UCSB Finance Connection, AWM (Association for Women in Mathematics), UCSB Pacific Math Alliance