Aaron Chien

Rowland Heights, CA 91748 • aaronchien39@gmail.com • (626)-624-3692
linkedin.com/in/aaron-chien/ | rpubs.com/Aaron_Chien | https://github.com/achien2024

EDUCATION

University of California, Los Angeles   **Los Angeles, CA**
Major: Business Economics / Minor: Data Science Engineering   *Expected Graduation: 2024*
Awards: Dean's Honor List   Cumulative GPA 3.83/4.00
Relevant Courses: Econometrics, Finance, Data Science, C++ programming, R coding, SQL, Python

Coursera   **Rowland Heights, CA**
Google Data Analytics   *Jul 2022*
Relevant Courses: SQL, Tableau, Google Sheets (VLOOKUP, Pivot Table), Excel, R (Tidyverse, Pipe lining)

WORK AND PROFESSIONAL EXPERIENCE

Resolution Economics   **Los Angeles, CA**
Research Assistant   *Sept 2022 – Dec 2022*
- Used SAS proc means, merge, and date statements to output statistics, combine datasets, and create date objects
- Discovered that clock ins and outs were 10 minutes each and should factor into the paid hour from a labor dataset
- Validated over 200 rows of data in excel from over 800 pages of recorded labor violations from employee at a clinic

PROJECTS

SQL Murder Mystery   **Rowland Heights, CA**
Participant   *Sep 2022*
- Used SQL on a database structure where the schema included 9 different tables, 6 primary keys, and 4 foreign keys
- Gathered information on the killer base on specific conditions across tables using SELECT FROM WHERE syntax
- Utilized information gathered to create one SQL code containing subqueries to efficiently narrow down the killer
- Applied a subquery that included information from Facebook, driver licenses, gym, crime, and interview data

Kaggle Housing Competition   **Rowland Heights, CA**
Participant   *Aug 2022*
- Cleaned and analyzed over 70 columns and 1000 rows of data to determine the most significant variables in housing
- Utilized Python (statsmodel and numpy) to create a machine learning log-linear model predicting housing prices
- Achieved a score of 0.15235 with the highest being 0.0 using model, indicating an 84% accuracy score of predictions
- Performed RESET, F, and hypothesis tests to determine the significance of models, interactions, and coefficients

Finance Project   **Rowland Heights, CA**
Project Manager   *Jun 2022*
- Coded returns and statistical estimates with R for over 1000 stock data entries from S&P 500, NASDAQ, and Apple
- Imposed the normal distribution model and ARMA model to estimate profit predictions with 100k initial investment
- Used ggplot and latex to create line, ACF, QQ, and density graphs detailing stock characteristics and economic trends
- Achieved a predicted profit within range of our 95% confidence interval, and around 6k off realized profits on average

LEADERSHIP AND EXTRACURRICULAR EXPERIENCE

2023 American Statistical Association (ASA) Datafest   **Los Angeles, CA**
Participant   *May 2023*
- Competed in a 48-hour data science challenge analyzing chat and forum data from the American Bar Association
- Utilized python and tableau to visualize the interactions between clients and attorneys and discovered a 32% ghost rate
- Presented in front of 5 judges and an audience of peers explaining our methodology, findings, insight, and solutions

Foundations Choreography   **Los Angeles, CA**
Finance Chair   *Aug 2021-present*
- Raised over $16,000 and obtained a profit margin of 21.8% through membership dues, fundraising, and sponsorships
- Executed a partnership contract with Teaspoon, a tea café, to acquire funding and culinary discounts for members
- Increased productivity by 30% applying pivot tables and VLOOKUP on excel that contained over 1000 rows of data