Haoxiang(Henry) Jia

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TECHNICAL SKILLS

Programming	:	Python (Pandas, Numpy, Sklearn, Pytorch, Matplotlib), R, SQL, STATA
Tools	:	Tableau, Power BI, AWS, Git, Hadoop, Google Cloud Platform, Oracle SQL

EDUCATION

Fordham University   Aug 2022 – Present
Master of Science in Business Analytics, GPA: 4.0   *New York City, New York*

- **Relevant Coursework:** Data Mining, Web Analytics, Text Analytics, Big Data Analytics, Database Management

University of California, Irvine   Sep 2017 – Sep 2021
Bachelor of Arts in Business Economics   *Irvine, California*

- **Relevant Coursework:** Research Method, Econometrics, Linear Algebra, Calculus

EXPERIENCE

Graduate Assistant   Jan 2023 – Present
Fordham University   *New York City, New York*

- Reviewed code submissions and provided feedback on errors and inefficiencies for two advanced python classes.
- Participated in course material reviews and content creation.

Operation Specialist   Nov 2021 – July 2022
Fantuan Delivery   *Santa Ana, California*

- Collaborated closely with Product Managers to design and implement an automated dispatching system, increasing the order acceptance rate by approximately 30%.
- Conducted performance analysis of 5 regions across the Great Los Angeles Area in Power BI, reducing 6 minutes on average delivery time per order by optimizing resource allocation.

PROJECTS

Advanced Analytic for Property Price Prediction   *Python, R, Ensemble Model*   Source Code

- Applied various machine learning techniques, including KNN, Random Forest, and Logistic Regression, to analyze data from 256 Indian cities and used model stacking to achieve over 0.9 AUC score on the test dataset.
- Created an interactive map of over 20,000 properties using R and the Leaflet package, enhancing the user experience through visual representation of data.

Optimizing Travel Planning Decisions - Expedia   *Python, Selenium, Machine Learning*

- Developed an automated web scraping solution using the Selenium web driver to extract over 800 pieces of flight information from Expedia daily.
- Identified key factors contributing to flight fare pricing through the application of Lasso Regression analysis.

Pharmaceutical Database Management System   *SQL, Oracle SQL Developer*

- Utilized Oracle Modeler to build up relational model to store entity and attributes of pharmacy prescription system.
- Implemented over 30 SQL queries by Oracle Apex in pharmacy database.

Testing Framework for Video Advertising on Youtube   *R, Uplift modeling*

- Visualized customer data with ggplot2 and conducted exploratory analysis to validate hypothesis test assumptions.
- Conducted a two-sample hypothesis test to compare the conversion rates of the test and control groups.