ZHENHONG WU

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New York 10027

EDUCATION

Columbia University Sep 2021 - Dec 2022
Master of Arts in Statistics New York
GPA:4.0/4.00
Relevant courses: Machine Learning,Database,Statistical Models

University of Melbourne Feb 2017 - Dec 2019
Bacholar of Science,Data Science Melbourne

TECHNICAL SKILLS

- Experience in Python, Hive-SQL and R
- Numpy,Pandas,Sklearn,Matplotlib,Seaborn,Tidyverse,GGplot,Google Could Bigquery,Tableau,Linux

PROFESSIONAL EXPERIENCE

Bytedance Mar 2021 - Jul 2021
Product Data Analyst Beijing,China

- Developed SQL code to enginner data, built and maintained dashboards for key metrics using Aeolus (like Tableau).
- Analyzed life cycle adverstisement conversation data, identified problems and causalities, increased conversation rate by 300%.
- Explored product usage data and collaborated with product manager to develop new function.
- Conducted monthly report automation with python to reduced 60% of work time.
- Counseled with industry experts from competitors and consultants, stuided their experience to better lifted ad strategy.

Audaque Mar 2020 - Feb 2021
Quantitative Intern Shenzhen,China

- Worked on backtesting trading algorithm using python, recurrent trading signals for various strategies and developed matchmaking system to simulate transactions.
- Aggregated performances and analyzed strategies based on transcation time and price.
- Developed multi-core python data processing programs for daily TB level stock data, deployed on linux server.
- Extracted real-time prices of cryptocurrencies from OpenAPI using python, wrote into MYSQL Databases

PROJECT EXPERIENCE

Applied Data Science Course Project Oct 2019 - Nov 2019
New York Taxi data analysis Melbourne

- Developed a route strategy for taxi driver to maximise income from the public NYC taxi data.
- Performed data cleaning based on practical rules and engineered new features.
- Explored relationships and visualized data using choropleth map,correlation matrix and line chart.
- Trained regression models for different boroughs and predict best location at any given time.

Machine Learning Course Project Apr 2019 - Jun 2019
Short text location prediction Melbourne

- Built machine learning models using python to predict users' geolocations based on their twitter texts.
- Cleaned data by tokenizing, filtering stop words and stemming text strings.
- Implemented TF-IDF vectorizer to transform data(texts to numbers).
- Constructed,tuned Naïve Bayes Classifier and SVM based on training dataset. Analyzed result using confusion matrix and explored characteristics for different models.
- Achieved accuracy of 0.35 on test set, ranked top 3% of the cohort.