SHERRY DUONG

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TECHNICAL QUALIFICATIONS

Data Science Applications:

- Hypothesis Testing, Linear/Logistic Regression/Classification, Regularization: Ridge & Lasso, Decision Trees, Random Forest, Neural Networks, Natural Language Processing, Recommender Systems, Graphs

Programming & Analytics:

- Python: NumPy, Pandas, Scikit-Learn, Tensor-Flow, NLTK, Matplotlib, Seaborn, Beautiful Soup, Flask
- SQL & Big Data: Sqlite3, Postgres, Microsoft SQL, Spark & PySpark, Psycopg2 , MongoDB & Pymongo
- Additional Tools: Amazon AWS (Sagemaker, EC2, S3), Docker

DATA SCIENCE PROJECTS

Analyzing the Chase Center Impact on Crime in Dogpatch/Mission Bay - *[Github Link]* 2020

- Conducted hypothesis testing with python using Welch's T-test and Mann Whitney U-test to confirm statistical significance between crime/call rates on dates with events at the Chase Stadium
- Additional Tools/Libraries Used: Numpy, Pandas, Scipy, Matplotlib

Predicting AirBnB Listing Prices in San Francisco- *[Github Link]* 2020

- Analyzed current Airbnb daily listing prices in San Francisco to predict prices of future listings using Linear Regression, Random Forest, and Gradient Boosting. Performed feature engineering and hyper-parameter tuning, eventually achieving 75% improvement in RMSE, $54, on cross-validated data with Random Forest.
- Additional Tools/Libraries Used: Numpy, Pandas, Matplotlib, Sklearn, NLTK

Your Anime Match Maker: An Anime Recommender- *[Github Link | Webapp Link]* 2020

- Created a Flask webapp to recommend anime based on popularity, content similarity (measured using cosine similarity), and collaborative filtering ("Other users who liked this also liked"). Used Spark's ALS collaborative filter model and achieved 1.13 RMSE on prediction of 1.3M user ratings.
- Additional Tools/Libraries Used: Numpy, Pandas, Matplotlib, Sklearn, Spark ML, AWS Sagemaker

EXPERIENCE

Personalized Beauty Discovery Inc. (IPSY)

Sourcing Project Manager (Buyer) *(2019 - 2020)* | Jr. Project Manager (Junior Buyer) *(2018 - 2019)*
Inbound Procurement Planner *(2019 - 2020)* 2017 - 2020

- Optimized supply chain operations through scrutiny of data: identifying risks and bottlenecks in the supply chain process among 200+ SKUs, 20+ global suppliers, and 20+ internal team members.
- Analyzed inbound shipments annually to identify opportunities with quality control, reducing the cost of quality control by 40% in one year by implementing standards for squeeze tube inspection
- Created a monthly report template using Microstrategy and Excel to streamline inventory movements for the subscription program. This resulted in a significant reduction of errors during the monthly process.
- Managed the operational setup for private label eCommerce brand including integration with Shopify, third party logistics provider, customer service, fraud, inventory production and delivery, and Netsuite ERP.

EDUCATION

Galvanize Data Science Immersive: San Francisco, CA (Spring 2020)
Intensive program devoting 600+ hours to learning and applying Data Science techniques
University of California: Berkeley: Bachelor's of Science: Business Administration (2011 - 2015)
Emphasis on Consumer Behavior & Marketing