

MARCOS DOMINGUEZ

Experience

Bay Area Rapid Transit Administrative Analyst

Oakland, CA
Feb. 2022 to Current

- Tracking department expenses by leveraging Excel v-lookup and sum-if formulas
- Developing reports that track KPIs over time
- Owning all reporting activities for the Maintenance & Engineering, NRVE division
- Analyzing burn rate to ensure funds stay on budget using Excel pivot tables
- Building and maintaining monthly employee credit card reports to track charges
- Automating processes using Excel Macros, saving hours of data entry

Metis Data Scientist

San Francisco, CA
Sept. 2020 to Dec. 2020

- Metis is an ACCET accredited 12week immersive data science bootcamp focused on project oriented learning
- The core curriculum is centered around Python, statistics, supervised and unsupervised machine learning, exploratory data analysis, databases, and visualization techniques
- Completed five self-designed data science projects from conception to presentation; including data collection, data management, exploratory data analysis, modeling, and visualizations
- Conducted presentations of my projects to a group of my peers, answering technical questions
- Project highlights in projects section

BAC Community Bank Senior Credit Analyst

Stockton, CA
Sept. 2016 to Sept. 2020

- Lead credit analyst team in reducing errors and improving turnaround time from 5 days to 2 per request
- Automated a data entry process using Excel sum-if formulas and pivot tables, saving hours of manual labor
- Underwrote credit worthiness of borrowers for commercial loans with average loan size of \$500M
- Presented loans to committees, providing detailed information regarding the borrower's risk profile, collateral outline, and financial condition

Financial Analyst

Stockton, CA
Sept. 2013 to Sept. 2016

- Interpreted financial data and prepared analytical reports, identifying trends and anomalies against bank strategy
- Leveraging Excel pivot tables and developing SQL queries to extract data from a Cognos database
- Visualized financial data, such as interest income per loan, customer turnover, branch profitability, and conversion rates
- Owned all FP&A reporting functions such as industry KPIs vs bank performance
- Collaborated closely with operations, IT, marketing and executive management to discuss KPIs vs bank performance

Projects

Forecasting Cryptocurrency Prices

Dec. 2021 to Feb. 2022

- Kaggle competition focusing on 14 popular cryptocurrencies
- Using ARIMA time-series forecasting, I developed a model that yielded an average MAPE of 2.6%
- Leveraged exponential smoothing with an alpha of 0.005 for strong predictability in conjunction with Dickey-Fuller Tests for stationarity

Wallstreetbets Sentiment Analysis

June 2021 to Nov. 2021

- Built database infrastructure using Python and SQL scripts in tandem
- Generated large database on investment data including price, sentiment score, price action, and other features
- Performed data visualization to determine feature relationships
- Leveraged XGboost for classification to model stock price with the generated features
- Achieved an accuracy of .70 with a precision of .55

Classification of Credit Card Clients

Nov. 2020

- Predicted whether or not a client would default by utilizing random forest classification algorithm and optimizing recall score
- Implemented hyperparameter tuning with scikit-learn's RandomizedSearchCV methods
- Increased recall score by 15% by fixing class imbalance with imblearn and decreasing decision threshold

Contact

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Education

Brandman University Sept. 2016
M.B.A. Accounting

University of California, Davis Sept. 2010
B.S. Economics

Skills

DATA TOOLS

SQL
Python
Automation
ETL
Tableau
Google Cloud
Pandas
Numpy
Data Processing
Excel

RISK

Credit Risk Management
Lending Infrastructure
Underwriting
Company Policy
Legal Documents
Financial Evaluation

MACHINE LEARNING

Linear/Logistic Regression
Random Forest
XGBoost
Feature Engineering
Hyperparameter Tuning
Time-Series