Sebastian Di Francesco

180 Jackson St NE Atlanta #7322, GA 30312
404-889-1216 | sebastiandifrancesco@gmail.com
LinkedIn: https://www.linkedin.com/in/sebastian-di-francesco-b9978873/
GitHub: https://github.com/sebastiandifrancesco

Summary

Data analyst/scientist with skills in Microsoft excel, statistics, python, databases, web technologies and data visualization, cloud computing, and machine learning. Increasingly innovative ability is leveraged to solve complex problems involving big data that is sometimes structured and sometimes raw. High motivation due to intellectual curiosity allows for proficient analysis with great attention to detail. Strengths include finding truth within visualizations of big data, as well as, knowing how to make certain parts of the visualizations draw more attention than other parts of the visualization according to sense and perception psychology.

Technical Data Analytics Skills

Microsoft Excel: VLOOKUP | Pivot Tables | Conditional Formatting | VBA Scripting
Statistics: Modeling | Forecasting
Python Programming: Pandas | NumPy | Seaborn | Matplotlib | SciPy | API Interactions | Social Media Mining I Jupyter Notebook
Databases: Microsoft SQL Server | SSMS | T-SQL | MySQL | MongoDB | ETL
Web Technologies and Data Visualization: HTML | CSS | Bootstrap | Dashboarding | JavaScript Charting | D3.js | Geomapping with Leaflet.js
Cloud Computing: IBM DB2 on Cloud

Projects

Predict-NBA | https://github.com/sebastiandifrancesco/Predict-NBA-Game-Outcomes.git
- Data from the 2013-2014 NBA season was scraped from https://www.sports-reference.com/ and was used to build different machine learning classification models. After finding the best model and tuning it the model was applied to the 2018-2019 NBA season to evaluate the model further.
- Python | Pandas | Seaborn | Sklearn | Matplotlib | Xgboost | Bs4

Covid-Prediction | https://github.com/sebastiandifrancesco/Covid-Prediction.git
- Pulled data from Google's Big Query from the covid_19_open_data database. The target feature was new hospitalized patients (on a given day) and ultimately a random forest reg model was constructed.
- Python | Pandas | Sklearn | Matplotlib

NBA-Cluster | https://github.com/sebastiandifrancesco/NBA-Cluster.git
- Player statistics from the 2018-2019 NBA season was explored and ultimately clustered using a Kmeans model. Five different clusters were generated.
- Python | Pandas | Seaborn | NumPy | Matplotlib | Sklearn

Education

Boot Camp Certificate: Georgia Institute of Technology Atlanta, GA   Dec 2020 - May 2021
A data analytics program which taught technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

Bachelor of Arts in Cognitive Science: University of Georgia Atlanta, GA   May 2020

Professional Experience

South Carriage Homes Bishop, GA   May 2019 – Aug 2019
Assistant Project Manager
- Managed subcontractors which ultimately expedited the construction of different custom houses
- Consulted with builder on how to properly manage water drainage systems around build sites and then implemented proper systems to prevent against any possible rain damage