Sebastian Di Francesco

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GitHub: https://github.com/sebastiandifrancesco
Website: https://sebastiandifrancesco.github.io/Portfolio-Website/

Summary
Data analyst 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 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 | Sklearn | Xgboost | Bs4 | Flask
Databases: Microsoft SQL Server | SSMS | T-SQL | MySQL | MongoDB | ETL | AWS (RDS)
Web Technologies and Data Visualization: HTML | CSS | Bootstrap | Dashboarding | JavaScript Charting | D3.js | Geomapping with Leaflet.js
Big Data: Google Colab | Apache PySpark | S3
Business Intelligence: Tableau

Projects
Covid19 | https://github.com/sebastiandifrancesco/Covid19.git
- The goal of this project was to create a Coronavirus19-Dashboard 2.0 using a flask server to generate routes to the different HTML files and finally explore for any evidence suggesting the vaccine can protect some people from becoming carriers. This includes line charts, a bar chart, a scatter chart, and an interactive map. Once deployed data will be pulled each day to keep the visualizations up to date.
- Python | Pandas | NumPy | JavaScript | HTML | D3js | Dashboarding | Leaflet.js | Plotly.js | PyMongo | Schedule

Coronavirus19-Dashboard | https://github.com/sebastiandifrancesco/Coronavirus19-Dashboard
- Pulled data using SQL from Google's Big Query from the covid_19_open_data database. The purpose was to investigate how the number of new cases of covid-19 each month was affected by the rollout of the vaccines in early 2021 in five different countries. Also, an interactive map is included under the nav bar.
- Python | Pandas | NumPy | JavaScript | HTML | D3.js | Dashboarding | Leaflet.js

NBA-Cluster | https://github.com/sebastiandifrancesco/NBA-Cluster.git
- Explored player statistics from the 2018-2019 NBA season and ultimately clustered the players using a K-means model into five different clusters.
- 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   Aug 2014 - 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