Sebastian Di Francesco

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Summary

Data analyst with skills in Excel, Python, Tableau, SQL, and machine learning from Georgia Tech's data analytics and visualization bootcamp and also from seven Coursera certifications. 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 efficiently collaborate with different kinds of personalities according to modern psychology.

Technical Skills

Tools:

- Excel: pivot tables, VBA
- Python 3: data analysis and visualization using the following: pandas, NumPy, SciPy, Matplotlib, Seaborn
- Tableau: data visualizations
- IBM DB2 on Cloud: cloud computing

Databases:

- mySQL: experience writing SQL queries in Python 3

Projects

Budget Software | https://github.com/sebastiandifrancesco/Budget-Software.git

- I created this software in Python 3 to help me budget my income. It takes my income and after taking tax out the remaining money is split into 30% for wants, 20% for savings, and 50% for needs.

Stock Analysis | https://github.com/sebastiandifrancesco/Stock-Analysis.git

- I wrote this VBA script to test my knowledge of working with big data in excel VBA. The code when run goes through the stocks from 2014-2016 and outputs the following additional data: ticker symbol, yearly change (cell colored red if negative and green if positive), percent change, and total stock volume.

PyBank-PyPoll | https://github.com/sebastiandifrancesco/PyBank-PyPoll.git

- There are two different python scripts here. The first script analyzes the financial records of a company. Given the dates (in months) and the profits/losses for each month I calculated the analysis which is saved as financial-analysis.txt in Script. The second script analyzes a small towns polling data. Given the voter IDs, counties, and candidates that the person voted for I calculated another analysis which is saved as election-analysis.txt in Script.

Education

Boot Camp Certificate: Georgia Tech University, Atlanta, GA   Dec 2020 - May 2021

A 6-month data science program which taught technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning. The dates of this program run from 12/08/2020 to 6/5/2021.

Coursera Certifications:

- Data Visualization with Python (IBM)
- Data Analysis with Python (IBM)
- Databases and SQL for Data Science (IBM)
- Python for Data Science and AI (IBM)
- Data Science Methodology (IBM)
- Tools for Data Science (IBM)
- Python Data Structures (University of Michigan)
- Programming for Everybody (University of Michigan)

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

My degree's emphasis was on philosophy and psychology. The psychology classes I have taken include: elementary psychology, abnormal psychology, cognitive psychology, sense and perception, and personality psychology. Overall, these classes have given me insight into how people are wired and allow me to understand how to best interact with different types of people. The philosophy classes I have taken include: intro to philosophy, symbolic logic, cognitive science, theory of knowledge, philosophy of language, biomedical ethics, and existentialism. I also took one computer science class where I acquired basic Java coding skills. These classes have strengthened my ability to synthesize abstract concepts into writing, my reasoning skills, and my ability to code small software.