Data Science Capstone

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Executive Summary

- Data collection and cleaning
- Exploratory data analysis
- Model creation
- Visualization and dashboard creation

Introduction

I'm completing the MIT Data Science Professional Certificate to advance my career and show employers I mean business. Real business.

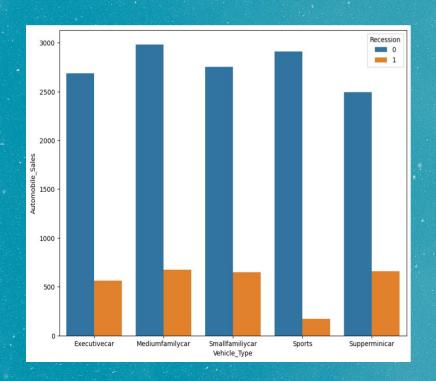
Exploratory Data Analysis Methodology

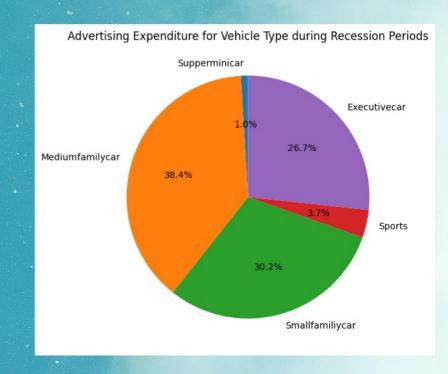
 Histograms, bar charts, and scatter plots, oh my!

Predictive Analysis Methodology

 Linear regressions, principal component analyses, and machine learning.

EDA with Visualizations





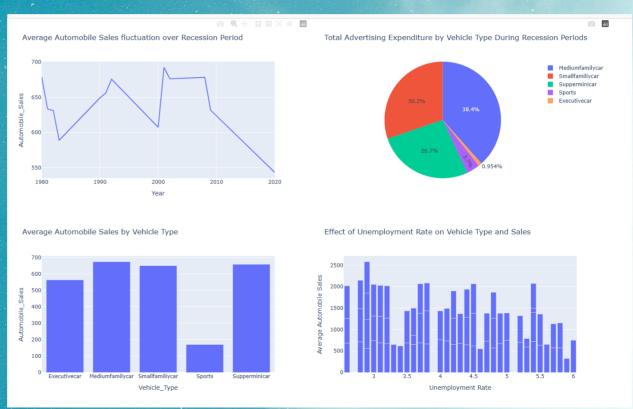
EDA with SQL

- SQL in Python can be an excellent way to query databases without leaving your preferred IDE
- "magic" SQL functions enhance this, and tools such as SQLite make it possible

Folium

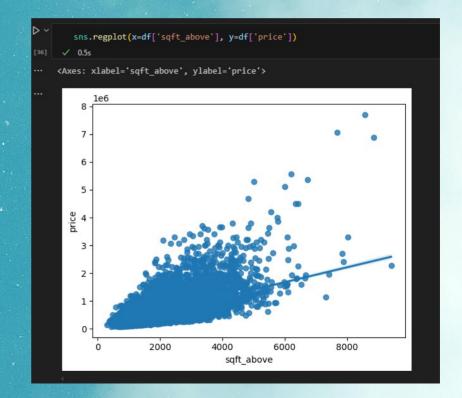
- I don't have a screenshot of this
- Folium is a tool for displaying interactive maps in Python, and is an excellent tool for dashboard creation

Plotly Dash



Predictive analysis

results



Conclusion

- I'm highly competent with many data science techniques.
- Look at graph, Michael.