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Stock Prediction Capstone



Subject Area and Problem Statement

Subject Area

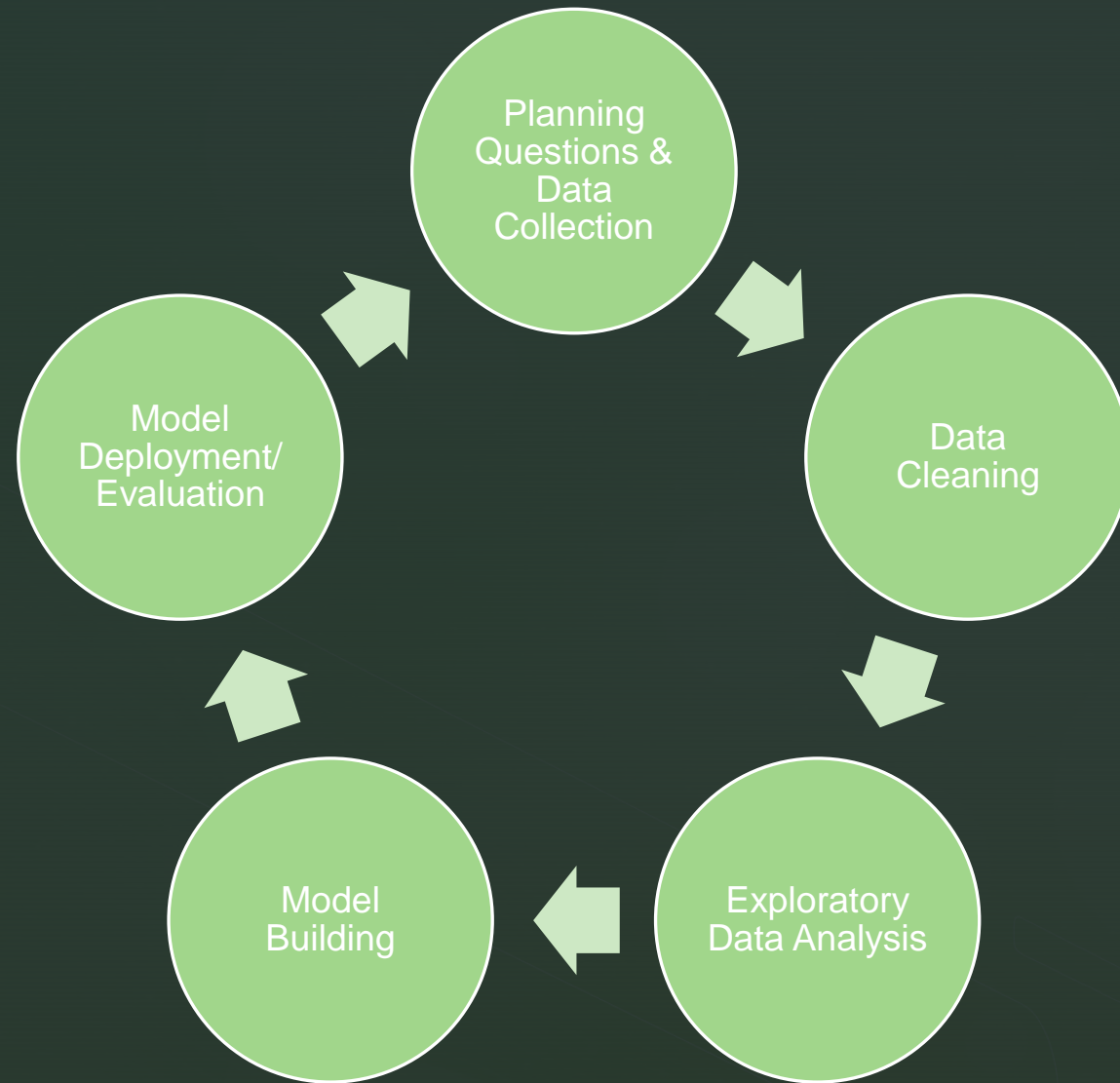
- Financial Industry
- Investing/trading stocks in the United States market

Problem Statement

- **How can I leverage data analysis and machine learning models to help investors/traders make better investment/trading decisions?**

Proposed Vision

1. Focusing on one market in the United States (S&P500)
2. Narrowing it down to one specific stock (GOOG) and its data
3. Run and test different models such as time series on the GOOG data frame.
4. Compare model results to each other and to the S&P 500 benchmark.



Potential Impact

- Helps investors manage risks and increase their earning/profit potential
- KPIs: Profit, win-rate, average percentage return, etc.
- Scale of the impact for others will depend on factors like capital size



Currently have 3 datasets

- SP500 Index
- SP500 Companies
- SP500 Stocks

The Google logo, featuring the word 'Google' in its characteristic multi-colored font: blue 'G', red 'o', yellow 'o', blue 'g', green 'l', and red 'e'.



Next Steps

- Continuing Data cleaning and EDA
- Finding more data from websites like Yahoo Finance
- Modelling such as Time Series, LSTM,