Topic and Data Selection

My proposed project aims to predict Amazon’s stock price movement for the rest of 2024 using historical data and machine learning techniques. This data is important to predict future stock price ranges to understand where the future trend is moving to. This is important for investors to get an idea where their returns on investment will be headed.

Structure of proposed project:

* Data containing historical stock price data from 9/29/2019-9/27/2024
* Jupyter notebooks containing data analysis and model training
* Using Python scripts for data
  + Pre-processing- cleaning the data
* Proposed Models TBD- Long Short-Term Memory networks or Linear Regression

Data Collection:

* The data was collected from Nasdaq using historical data for the past five years

Outcome:

* Will show prediction of stock pricing for the rest of 2024 using visualized graphs and charts