Project 4 - Forecasting Tesla's stock price based on historical sales data

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Proposal:

Using the 2010 -2020 Tesla dataset, we would like to analyze

- 1. Here's the story we want to tell:
- 2. Here's is where we will get the data from:

https://www.kaggle.com/timoboz/tesla-stock-data-from-2010-to-2020 https://afdc.energy.gov/data/ (U.S. Plug-in Electric Vehicle Sales by Model) https://www.bts.gov/content/gasoline-hybrid-and-electric-vehicle-sales

- 3. Here's how we will store the data:
 - a. AWS(Bucket)/GitHub
- 4. Here's what we will do with the data (Getting from Point A to Point B):
 - a. Use Pandas/ETL/PostgreSQL/Amazon AWS/Google Colab to clean the data and print the clean data
 - b. Use Machine Learning(SKLearn/Pyspark) to forecast the future Tesla sales or Tesla's stock prices.
 - c. Use Tableau/Plotly/D3 to produce visualizations to display our historical data.
 - i. Use Matplotlib to produce a data visualization
 - d. Use Heroku to deploy our website.
 - i. Use Flask/CSS/HTML to program our website.
 - ii. Use Tableau to embed the visualisation in HTML