Tesla Evaluation

# Authors: John Michals, Jeremy Randolph, Kenneth Reed, Khrystyne Vaughan

# Purpose

We were approached by a group of Tesla’s investors who are concerned about a recent controversial “Funding Secured” tweet by Elon Musk. Using several data sets, we will evaluate the effects of Elon Musk’s tweets on Tesla’s stock prices as well as a correlation with SpaceX launches in hopes to alleviate concerns.

# Extraction

Looking at some of the data

The following links are the source locations of our data sources:

SpaceX Launch Data: <https://www.kaggle.com/scoleman/spacex-launch-data>

Tesla Stock Price: <https://www.kaggle.com/rpaguirre/tesla-stock-price>

Elon Musk Tweets: <https://data.world/adamhelsinger/elon-musk-tweets-until-4-6-17/workspace/file?filename=elonmusk_tweets.csv>

\*\*\* Breakdown on sales by country \*\*\*

<**insert chart to show data sources**>

Analyzing the date of the launch vs the date of the stock price

Data may be missing on certain days due to weekends or holidays.

# Transform

\*\*\* categorize the tweets possible boolean, tesla related, not tesla related \*\*\*

Space X Data:

Tweet Data:

When it comes to Elon Musk’s tweet, we decided to use the most popular tweets of the day. If the tweet had the most retweets and saved as a favorite the most, we stored those in their own file.

# Load

1. What can be done with multiple tables
2. What we can use from the table
3. Why you chose the fields you did