David Tse   9/15/2018
Capstone 2: Project Ideas

Idea 1: Ford GoBike Share Time Series Forecasting
Rebalancing is performed on bicycle stations to ensure that there is a balance of supply and demand of bikes. Ford GoBike is a bike-sharing company operating in the bay area. I would like to employ time series forecasting techniques to recommend an improved rebalancing strategy.

Useful Links:
https://www.fordgobike.com/system-data
https://www.kaggle.com/ambarish/austin-bike-eda-heatmaps-timeseries
https://archive.ics.uci.edu/ml/datasets/bike+sharing+dataset

Start with bike idea, play with API in parallel
Limebike data? No bike stations ← look into data

Idea 2: Electric Scooter Time Series Forecasting
Timely scooter recharging, similar to bike station rebalancing, could be an important consideration to ensure that there is a balance of supply and demand of scooters. Bird is a last mile electric scooter rental service based out of Santa Monica. I would like to employ time series forecasting to recommend an improved recharge cycle strategy.

Useful Links:
https://github.com/ubahnverleih/WoBike/blob/master/Bird.md
http://conormclaughlin.net/2018/08/tracking-the-flow-of-bird-scooters-across-dc/

Idea 3: Airbnb Oakland Rental Price Prediction
Currently, Airbnb suggests that the price a homeowner charges for their listing is completely up to them. Furthermore, to inform their decision about what price to set, they are asked to search for comparable listings in their city or neighborhood to get an idea of market prices. I would like to use advanced regression techniques and time series forecasting to recommend an improved strategy to set rental rates.

Useful Links:
http://insideairbnb.com/oakland/
https://www.airbnb.com/help/article/52/how-should-i-choose-my-listing-s-price

Formulate a new approach that's related for the consumer← have their own dashboard too potentially.
Add to github
(https://github.com/awesomedata/awesome-public-datasets/blob/master/README.rst)
Udacity github course: git and github