**Presentation**

Week 8

For the initial check-off (Week 8), the teams should describe the type of dataset selected or collected, the problem they aim to address, and any preliminary data exploration performed.

Week 13

For the final presentation (Week 13), the teams should briefly describe their dataset and problem, and elaborate more on the algorithms used, the type of evaluation, results obtained and their implications.

**Final Report and Required Sections**

**Dataset and Collection**: Describe the type of dataset being used and the source where it is obtained from. If applicable, mention any data collection methodology or APIs used. Students are free to select their dataset, with the main requirement that the dataset has to include stock prices in the form of a time-series.

**Data Pre-processing**: Describe any pre-processing or data cleaning steps applied on the dataset.

**Problem and Algorithm/Model**: Motivate and describe the problem that this project aims to address. Some examples of problems are predicting whether a stock will rise or fall over X days, or predicting the volume of stock activities on a specific day. Also, describe the algorithm or model that is used for solving the earlier defined problem

**Evaluation Methodology**: Describe the methodology that is used to evaluate the effectiveness of the proposed algorithm. This section should cover how the dataset is being used in training and evaluation, and the types of evaluation metrics used.

**Results and Discussion**: Describe the results obtained and discuss the implications of these results or any other main findings observed during this project.

Prediction of Current Condo Prices based on Location / future condo prices have to account other stuff

* Historic rental price / Historic property price
* Location, District, CCR/RCR
  + Amenities related to foreigners, International Schools, Bars,
  + Roads, Mrt, Bus
* Supply changes
* Demand notable employment hubs
* Gov Taxes
* Vacancy rates

Ura – Property Price Time series/ Rental Time series

<https://www.ura.gov.sg/realEstateIIWeb/transaction/submitSearch.action;jsessionid=5EOCTbfUIv3JZN2PgLicq1ceZGUzjJDm704nVsLa8_2euw1UFuNI!-1448839955!1150648020>

Google projects - amenties  
<https://wiki.openstreetmap.org/wiki/Key:amenity>

Convert Project name to lat long

http://www.mapdevelopers.com/batch\_geocode\_tool.php

GradientBoostingRegressor

LSTM

Random forest

xgboost

Property url  
<https://www.kaggle.com/nolberg/machine-learning-for-house-price-prediction>  
<https://towardsdatascience.com/create-a-model-to-predict-house-prices-using-python-d34fe8fad88f>

<https://towardsdatascience.com/predicting-housing-prices-using-advanced-regression-techniques-8dba539f9abe>