**Milestone Report**

1. **Define the problem and Identify the client**

Real estate in the US has been an interesting topic for not only developers or investors but also to academic researchers or data enthusiast who wants to understand more about how to predict the house price. In this project, we will focus on the real estate in Nashville where the markets trends indicated an increase of $19,000 about 7% in median home sale over the past year. The average price per square foot for this same period rose to $195, up from $180. The objective of this project was to determine the features that affects house price in Nashville using linear regression with regularization. In order to achieve this, we had to take several procedures like collecting and preparing the data set ready for modeling. Visualization for this project was essential to find the insight from different features against price. We trained the data set for modeling and test it with the tested data set. During this process, we also had to use regularization like Lasso for feature selections.

Describe your data set, and how you cleaned/wrangled it

1. List other potential data sets you could use
2. Explain your initial findings
3. Share the Capstone Project 1 code and milestone report related to Github repository

Prior Knowledge Recap

You have proposed a project, collected a data set, wrangled and cleaned up the data, and explored it with descriptive + inferential statistics techniques.