



# Real Estate Price Prediction

# Problem Overview

- ▶ How can predicting and analyzing real estate prices can help the government issue appropriate regulatory policies, help investors formulate correct investment?
- ▶ How the aim is to predict the efficient house pricing for real estate customers with respect to their budgets and priorities?

# Solution Process

- ▶ Data set is download from [kaggle.com](https://www.kaggle.com).
- ▶ This data set have different columns which have Total rooms, Total bath, Total area.
- ▶ Missing value in data set is small so we delete the missing value.
- ▶ It have 13320 rows and 9 columns.

# Solution Process

- ▶ I use linear regression model which is supervised machine learning model for prediction.
- ▶ I train the data set by training and testing split. 80% data is use for training and 20% is use for testing.
- ▶ After training and testing I measure the accuracy it is close to 77%.

# Potential Benefit

House price prediction can help the developer determine the selling price of a house and can help the customer to arrange the right time to purchase a house. There are three factors that influence the price of a house which include physical conditions, concept and location.

# Conclusion

- ▶ Predicting and analyzing real estate prices can help the government issue appropriate regulatory policies, help investors formulate correct investment strategies, and guide the healthy and long-term development of the real estate market.
- ▶ Based on the current situation of the real estate market and the existing literature, this project summarizes the influencing factors of the real estate price.