

Consider the `Real_Estate.csv` data file posted on Blackboard (under the In-Class 1 assignment link). This file contains information related to 414 houses. The goal is to predict the house price of unit area. In **Python**, answer the following:

1. (3 points) Using the pandas library, read the csv data file and create a data-frame called `house_price`.
2. (3 points) Drop the `No` column.
3. (4 points) Create a histogram of `house_age`. Describe the plot.
4. (4 points) Create a histogram of `distance_to_nearest_MRT_station`. Describe the plot.
5. (5 points) Build a linear regression model in which: `house_age`, `distance_to_the_nearest_MRT_station`, `number_of_convenience_stores`, `latitude`, and `longitude` are the input variables, and `house_price_of_unit_area` is the target variable.
6. (3 points) Using the model from part 5, predict the house of unit area of a house with the following characteristics: `house_age = 5`, `distance_to_the_nearest_MRT_station = 500`, `number_of_convenience_stores = 3`, `latitude = 24.98`, and `longitude = 121.49`.