Experiment 4

The aim of this experiment is to implement Linear Regression using sklearn package in Python. The algorithm will be used to predict house price using features such as latitude, longitude, # of stores, distance from metro station and age of house. Implement the following steps in Python.

1. Read the file 'realestatedataset.xlsx' using read_excel() in pandas.

2. Scale the features using StandardScalar() in sklearn.

3. Split the dataset into train and test sets.

4. Develop a LinearRegression Model using sklearn and make predictions on the test set.

5. Evaluate training error and test error.

6. Compare the actual house prices and predicted house prices using a line plot.