Practical Assignment: House Pricing

The objective of this assignment is to use linear regression to predict house prices using the data set provided on GUC intranet

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In this mini project you will be required to:

1- Load the data using pandas into a data frame.

2- Divide the data into training cross validation and testing.

3- Visualize parts of the data using *matplotlib*

4- Clean the data set if required (remove *NA* and missing data fields)

5- Use an appropriate approach to normalize the data

6- Construct your own hypnosis (at least three)

7- Build a gradient descent to do the regression

8- Plot the error versus the iteration

9- Use a 3 fold testing and validation and report the results