

### 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 hypothesis (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