

WEEK 3 TASK - HOUSE PRICE PREDICTION

Your task :

1) Download and read Dataset from the link provided below.

Dataset:

<https://www.kaggle.com/altavish/boston-housing-dataset?select=HousingData.csv>

2) Data preprocessing

Ex: Check for null values and replace or drop them, scale the data, encode the categorical data(if any) etc.

3) Visualise some of the attributes of the dataset.

Ex: Plot some graphs for better understanding of the dataset.

4) Write the observations you have made during the analysis in a Markdown Cell.

5) Split your whole dataset between training and testing dataset.

6) Predict the price using the following algorithms:

a) Linear Regression

b) KNN

(Play with the parameters for more accuracy)

7) Print your model's accuracy on training and testing datasets.

8) Add an Evaluation Metrics(any of your choice).

9) List the websites/articles which you found helpful while doing your search in your LinkedIn post.

- Come up with more visualisations of your own for bonus points.

Tools and libraries you may need:

- a) Python
- b) Matplotlib
- c) Pandas
- d) NumPy
- e) Sklearn

Due date : 13th of August 2021 , 6:00 PM

For any doubts contact the following mentors :

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After you're done with your work, show it to us and then post it on LinkedIn by Tagging your mentor and Cureya Team.