

First Project Proposal
(Houses Price Prediction Using Artificial Intelligence)

By :

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For :

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Design:

- The work will concentrate on the commercial field.
- A huge amount of data is collected in the companies and commercial establishments , these data may contain full information about the price and customers.
- Discovering the relationship between this information will help the workers in this to understand the needing of the customers and allow them to predict the price.

In this project , I will solve the question :

- How companies can predict the prices depending on the data which they have collected?

Data :

- For this purpose, I work using data about the price of houses.
- This file is collected from www.Kaggle.com.
- The data contains 21613 record.
- The data contains 21 columns, which are:
(id,date,price,bedrooms,bathrooms,sqft_living,sqft_lot,floors,waterfront,view,condition,grade,sqft_above,sqft_basement,yr_built,yr_renovated,zipcode,lat,long,sqft_living15,sqft_lot15).
- Eight of the columns will represent the features, which are:
(id,date,bedrooms,bathrooms,sqft_living,sqft_lot,floors,waterfront,view,condition,grade,sqft_above,sqft_basement,yr_built,yr_renovated,zipcode,lat,long,sqft_living15,sqft_lot15).
- The “price” column will represent the target.

Algorithm :

- Linear regression will be used to perform the regression and predict the price.
- Score metric will be used to evaluate the model.

Tools :

- Jupyter and excel will be used in the work.
- Sklearn , panda , numpy , matplotlib and seaborn libraries will be used in the work.

