Predicting Houses Prices Using Machine Learning

# About

When coming to buy something anyone wants to buy less as contradictory sell at high price as much as possible. This tendency has common on coming to buying house prices as well. As the middle-income buyer as always suffer because of high volatility on prices and features.

No buyer never looked on previous selling prices and made some analysis on it. Simply, they negotiate basis realtor prices or other realtor prices. This makes high volatility on the prices.

As technology advances this problem can find solution using data science techniques. Total project as based on the India selling house prices data which was licensed on [GPL v2](https://www.gnu.org/licenses/old-licenses/gpl-2.0.en.html). This [dataset](https://www.kaggle.com/anmolkumar/house-price-prediction-challenge) was available on open to use.

## Features / Attributes

Features or columns represents outcome of the result. Each feature contributes and maintain some relationship on other features. By combining all features will result to final result.

### Feature and information

**Posted\_BY**

This feature tells about who posted about this record. As see below picture most of the houses posted by dealer and owner.

Chart, bar chart

Description automatically generated

**UNDER\_CONSTRUCTION**

About feature reveals this house is on under-construction or fully constructed.

Chart, bar chart

Description automatically generated

**RERA**

Real estate government approved layout. This act was brought 2016. [For more information link](https://www.up-rera.in/pdf/reraact.pdf).

Chart, bar chart

Description automatically generated

**BHK\_NO**

Total bed rooms available on all records. Most of the records two 2,3 and 1 bedrooms.

Chart, bar chart

Description automatically generated

**BHK\_OR\_RK**

BHK or RK this feature will reveals BHK (Bed,Hall,Kitchen) & RK(Room, Kitchen) of the house.

Chart, bar chart

Description automatically generated

**SQUARE\_FT**

Chart, bar chart

Description automatically generated

**READY\_TO\_MOVE**

Chart, bar chart

Description automatically generated

**RESALE**

Chart, bar chart

Description automatically generated