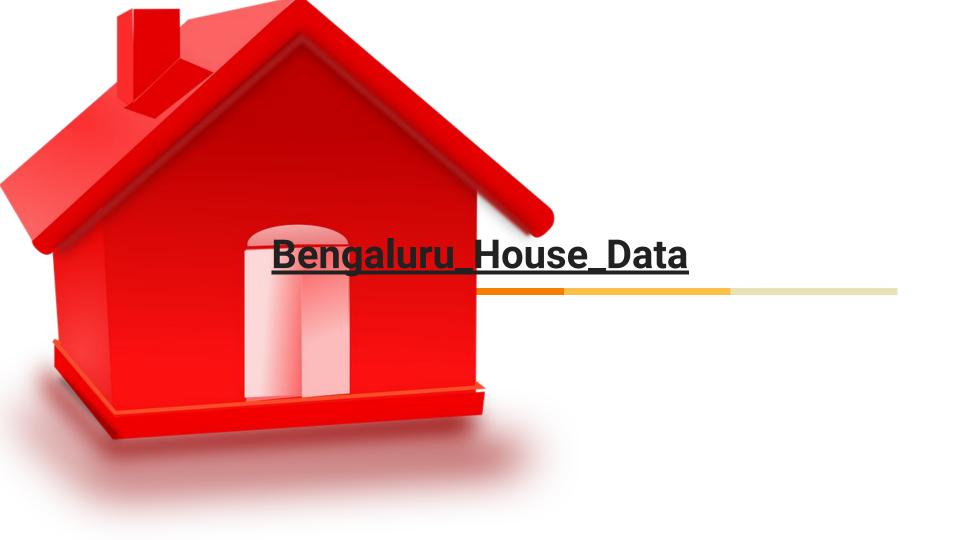
Real Estate Price Prediction Project



Abstract idea

What are the things that a potential home buyer considers before purchasing a house? The location, the size of the property, vicinity to offices, schools, parks, restaurants, hospitals or the stereotypical white picket fence? What about the most important factor — the price?



Offices



Schools



Restaurants



Parks



Hostpital





Abstract idea

Potential homeowner, over 9,000 apartment projects and flats for sale are available in the range of ₹42-52 lakh, followed by over 7,100 apartments that are in the ₹52-62 lakh budget segment, says a report by property website Makaan. According to the study, there are over 5,000 projects in the ₹15-25 lakh budget segment followed by those in the ₹34-43 lakh budget category.

Abstract idea

Buying a home, especially in a city like Bengaluru, is a tricky choice. While the major factors are usually the same for all metros, there are others to be considered for the Silicon Valley of India. With its help millennial crowd, vibrant culture, great climate and a slew of job opportunities, it is difficult to ascertain the price of a house in Bengaluru.

DATASET

	area_type	availability	location	size	society	total_sqft	bath	balcony	price
0	Super built-up Area	19-Dec	Electronic City Phase II	2 BHK	Coomee	1056	2.0	1.0	39.07
1	Plot Area	Ready To Move	Chikka Tirupathi	4 Bedroom	Theanmp	2600	5.0	3.0	120.00
2	Built-up Area	Ready To Move	Uttarahalli	3 BHK	NaN	1440	2.0	3.0	62.00
3	Super built-up Area	Ready To Move	Lingadheeranahalli	3 BHK	Soiewre	1521	3.0	1.0	95.00
4	Super built-up Area	Ready To Move	Kothanur	2 BHK	NaN	1200	2.0	1.0	51.00

[→ (13320, 9)

House_data.shape

Data Statistical Analysis

House data.describe() bath 13247.000000 count

balcony 12711 000000

price 13320.000000

112.565627

148.971674

mean std

min

25%

50%

75%

max

2.692610

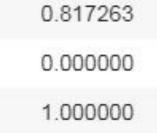
1.341458 1.000000

2 0000000

2.000000

3.000000

40.000000



2.000000

2.000000

3.000000

1.584376

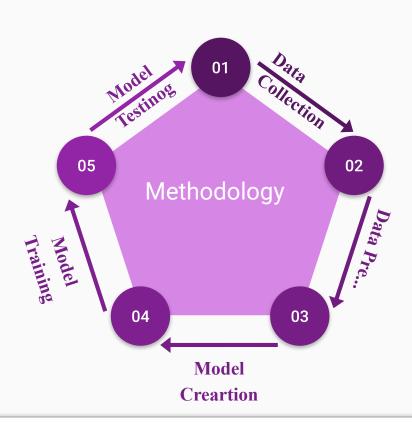


8.000000
50.000000
72.000000

Null values

```
area_type
availability
location
size
                  16
society
                5502
total_sqft
bath
                  73
balcony
                 609
price
dtvpe: int64
```

Methodology



Bengaluru_House_ Data

Data Preprocessing

- Null value handling
- Categorical DataHandling
- **□** Feature Selection

