

|                 |                            |
|-----------------|----------------------------|
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|                 | <b>ASSIGNMENT - 3</b>      |

|             |  |
|-------------|--|
| <b>Task</b> | Perform the three types of Visualization |
|-------------|--|

### Problem Statement:-

#### Tasks:-

1. Download the dataset: [Dataset](#)
2. Load the dataset.
3. Perform the Below Visualizations.
  - Univariate Analysis
  - Bi - Variate Analysis
  - Multi-Variate Analysis
4. Perform descriptive statistics on the dataset.
5. Handle the Missing values.

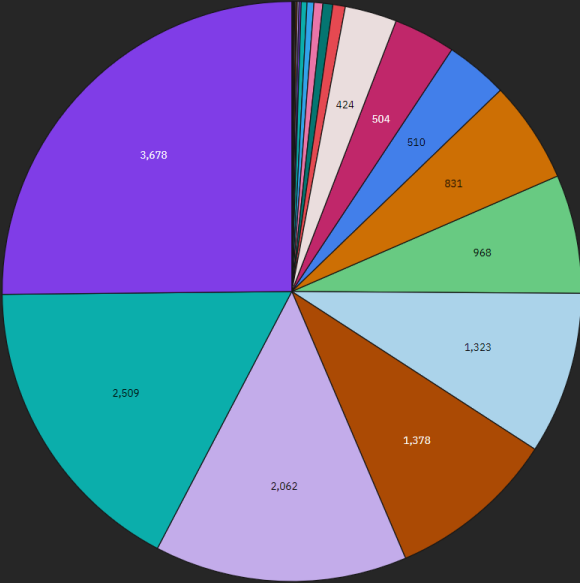
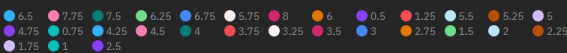
# Univariate Analysis

Edit

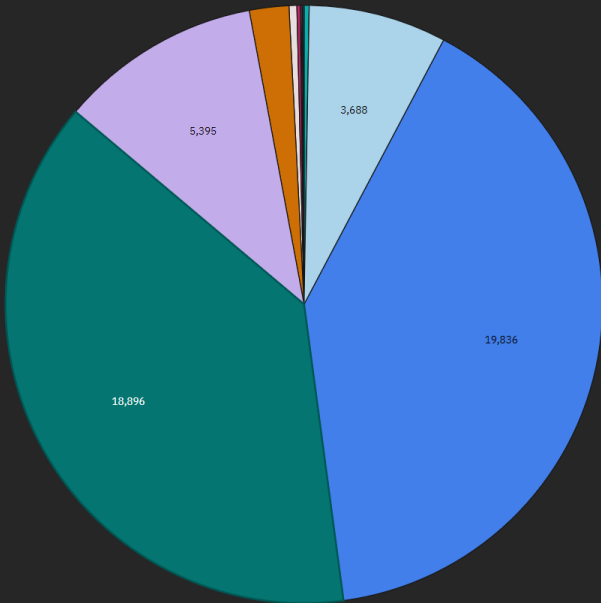
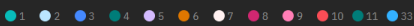
100% Analytics Filters

Tab 1 Tab 2 Tab 3 Tab 5 Tab 4 Tab 6

Number of Bathroom



Number of Bedroom

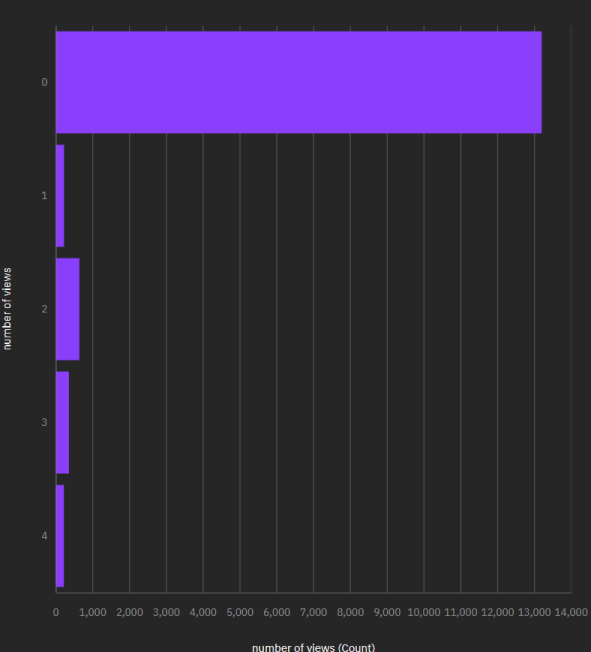


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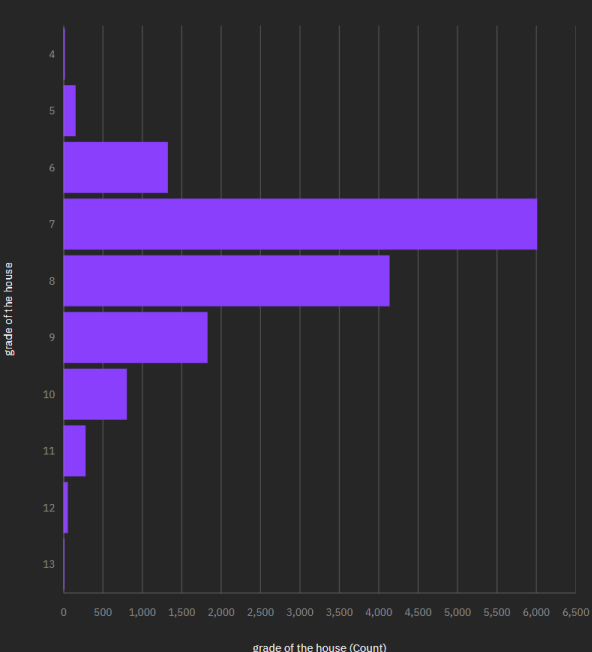
100% Analytics Filters

Tab 1 Tab 2 Tab 3 Tab 5 Tab 4 Tab 6

Number Of Visits



Grade of House



# Bi-variate Analysis

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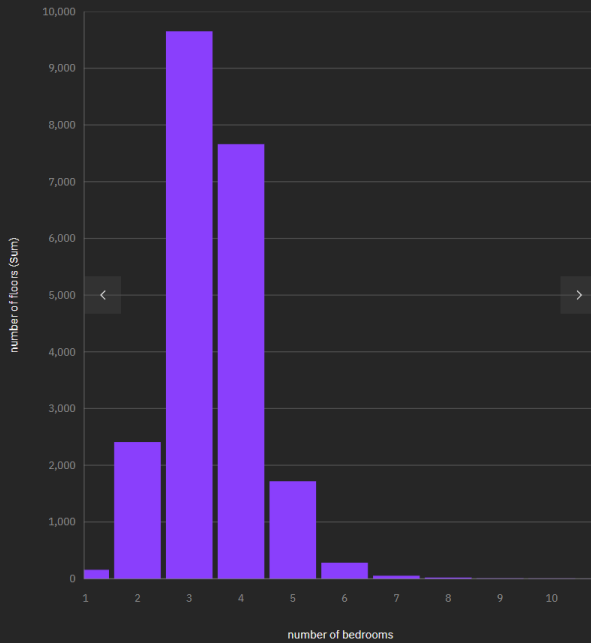
100%

Analytics

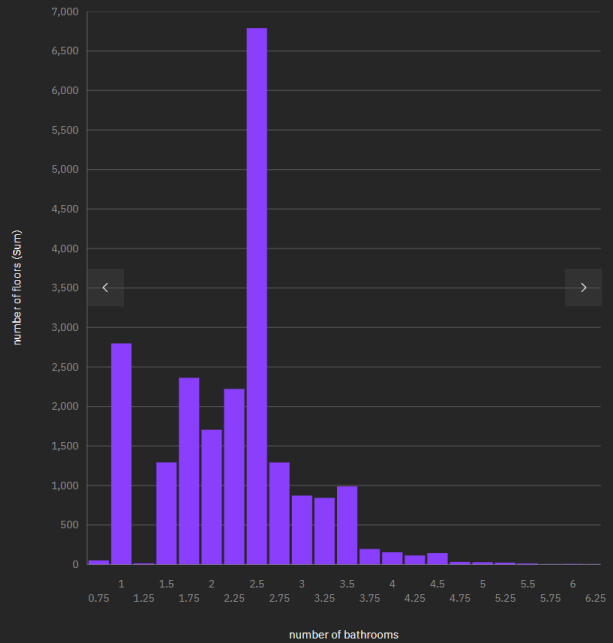
Filters

Tab 1 Tab 2 Tab 3 Tab 5 Tab 4 Tab 6

Floor to Bedroom Ratio



Floor to Bathroom Ratio



Edit

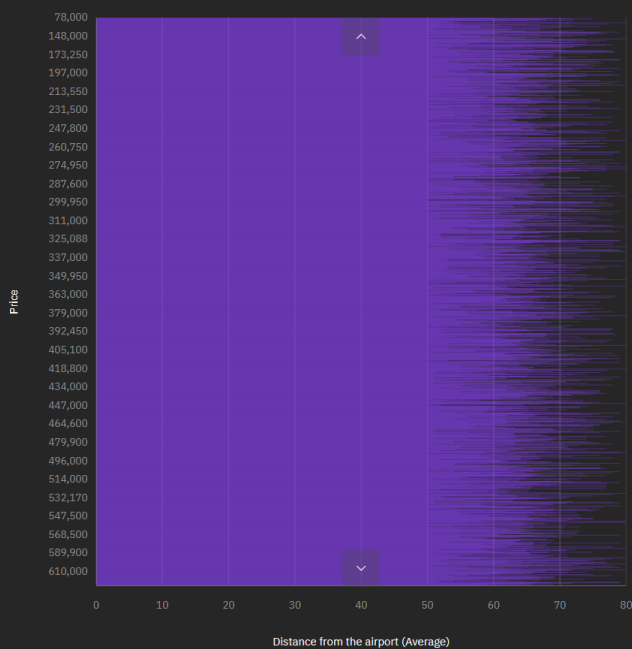
100%

Analytics

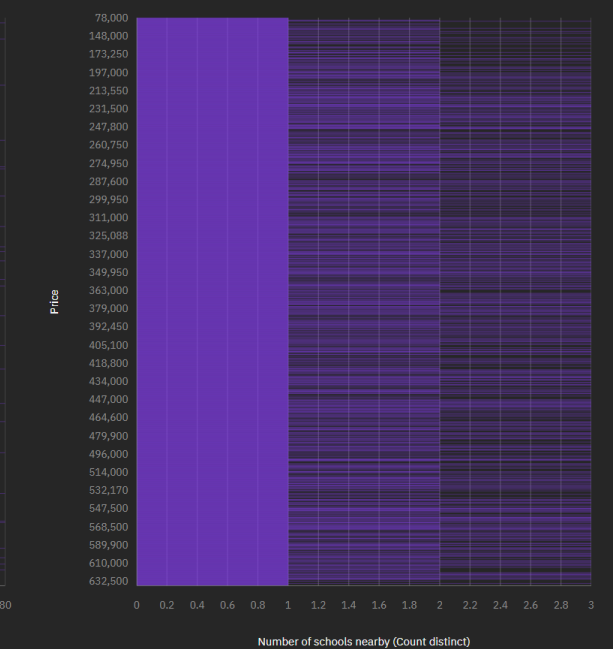
Filters

Tab 1 Tab 2 Tab 3 Tab 5 Tab 4 Tab 6

Distance from the airport



Number of schools nearby



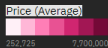
# Multi variate Analysis

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Tab 1 Tab 2 Tab 3 Tab 5 Tab 4 Tab 6

Price Difference Due to Bathrooms and Bedrooms

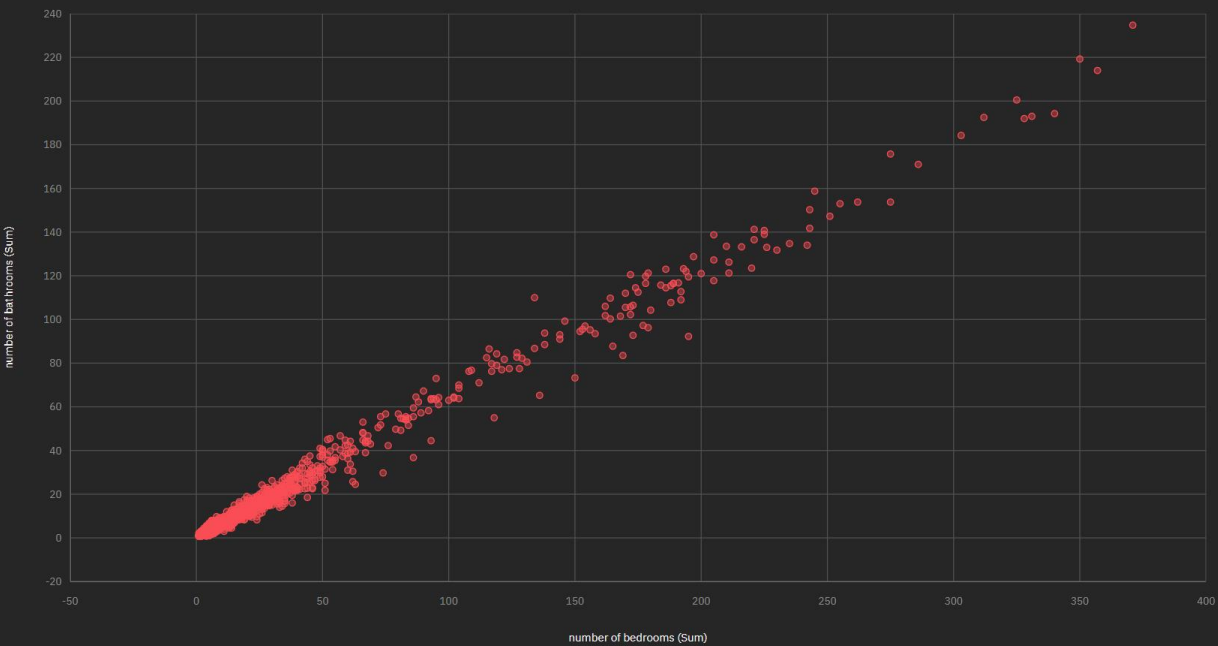


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100% Analytics Filters

Tab 1 Tab 2 Tab 3 Tab 5 Tab 4 Tab 6

Price Difference



**Perform descriptive statistics on the dataset**

|                    |             |
|--------------------|-------------|
|                    |             |
| Mean               | 538932.2183 |
| Standard Error     | 3039.638394 |
| Median             | 450000      |
| Mode               | 450000      |
| Standard Deviation | 367532.3808 |
| Sample Variance    | 1.3508E+11  |
| Kurtosis           | 40.32191815 |
| Skewness           | 4.269297721 |
| Range              | 7622000     |
| Minimum            | 78000       |
| Maximum            | 7700000     |
| Sum                | 7879189032  |
| Count              | 14620       |
|                    | 0           |

**Handle the Missing values**

**No Missing values in the Data set.**