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	ASSIGNMENT - 3

Task	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.
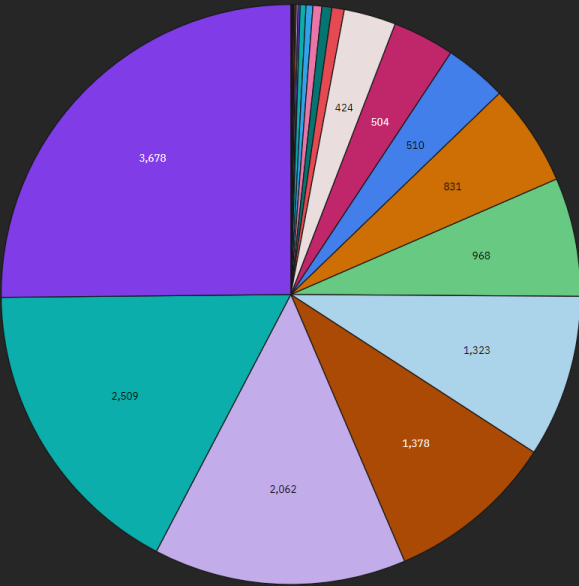5. Handle the Missing values.

Univariate Analysis

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

Number of Bathroom
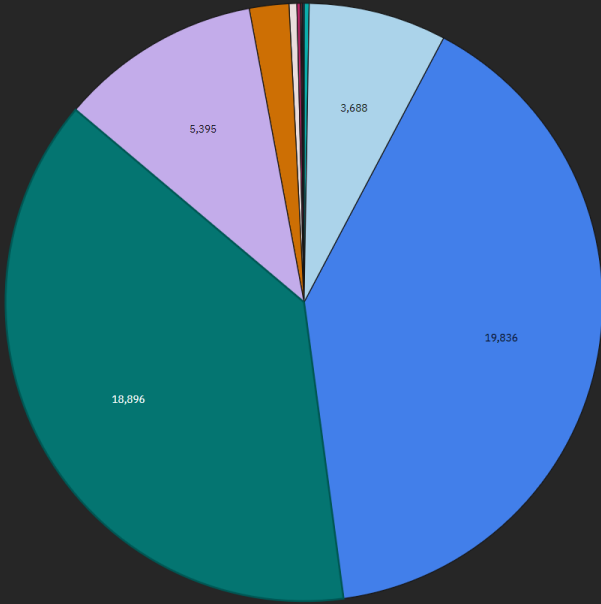
● 6.5 ● 7.75 ● 7.5 ● 6.25 ● 6.75 ● 5.75 ● 8 ● 6 ● 0.5 ● 1.25 ● 5.5 ● 5.25 ● 5
● 4.75 ● 0.75 ● 4.25 ● 4.5 ● 4 ● 3.75 ● 3.25 ● 3.5 ● 3 ● 2.75 ● 1.5 ● 2 ● 2.25
● 1.75 ● 1 ● 2.5

Number of Bedroom

● 1 ● 2 ● 3 ● 4 ● 5 ● 6 ● 7 ● 8 ● 9 ● 10 ● 11 ● 33

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

Number Of Visits
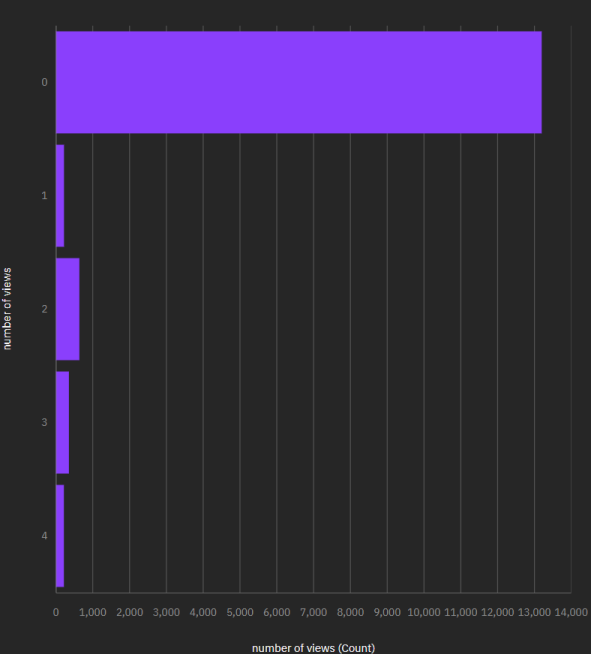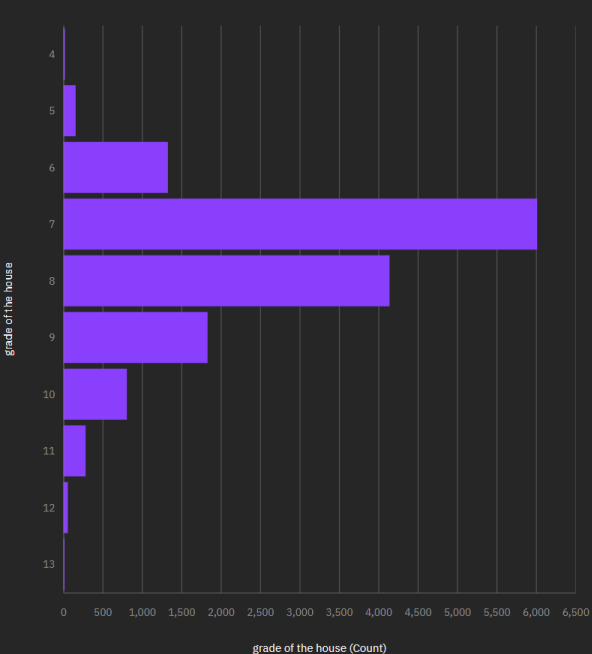
number of views (Count)

Grade of House

grade of the house (Count)

Bi-variate Analysis

Edit   100%   Analytics   Filters

Floor to Bedroom Ratio

number of floors (Sum) vs number of bedrooms

Floor to Bathroom Ratio

number of floors (Sum) vs number of bathrooms

Edit   100%   Analytics   Filters

Distance from the airport

Price vs Distance from the airport (Average)

Number of schools nearby

Price vs Number of schools nearby (Count distinct)

Multi variate Analysis

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

Price Difference Due to Bathrooms and Bedrooms

Price (Average)

252,725   7,700,000

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.