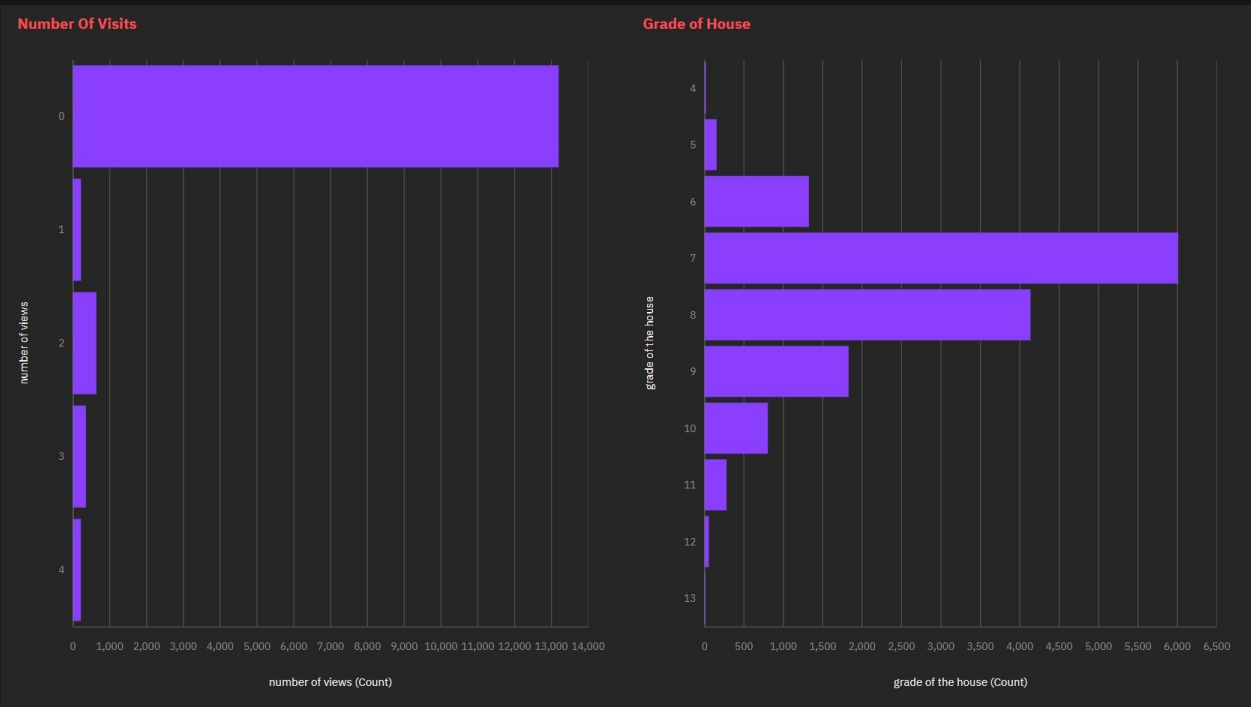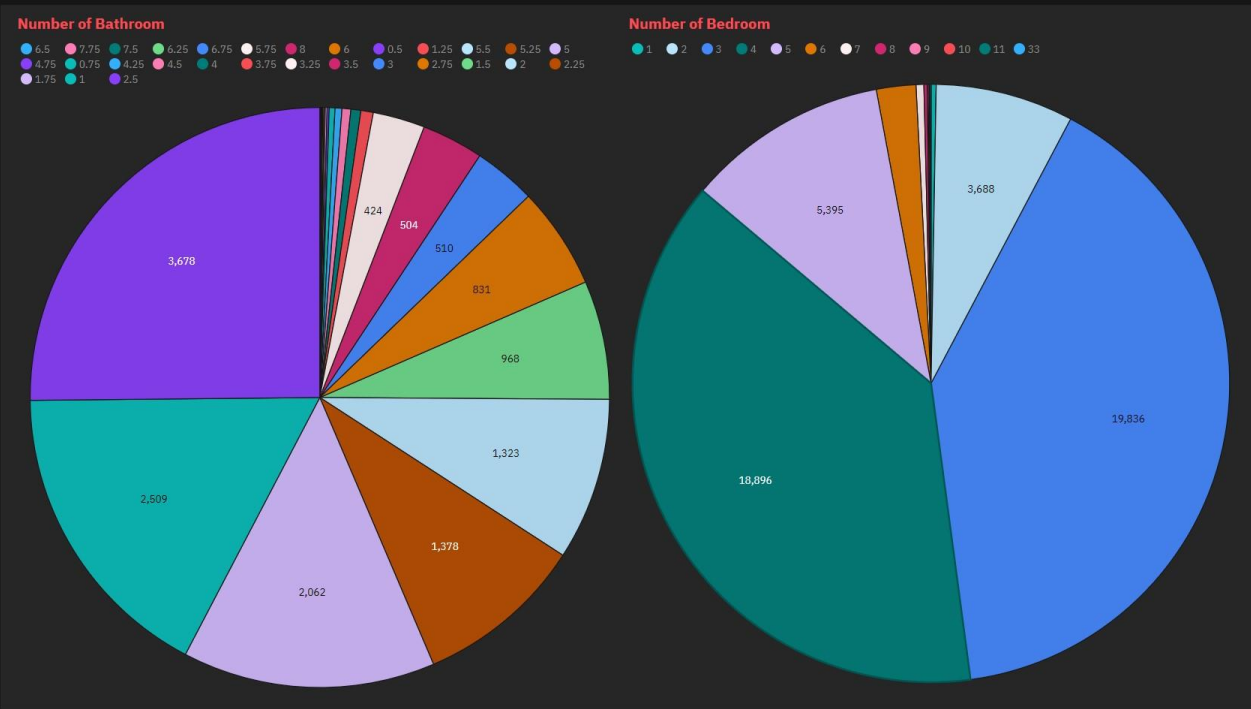| NAME	SAIRAM K
REG NO	310820205085
NM ID	92F16F8A5A5521C807844B90391872F8
EMAIL ID	saisairam203@gmail.com
	ASSIGNMENT - 3

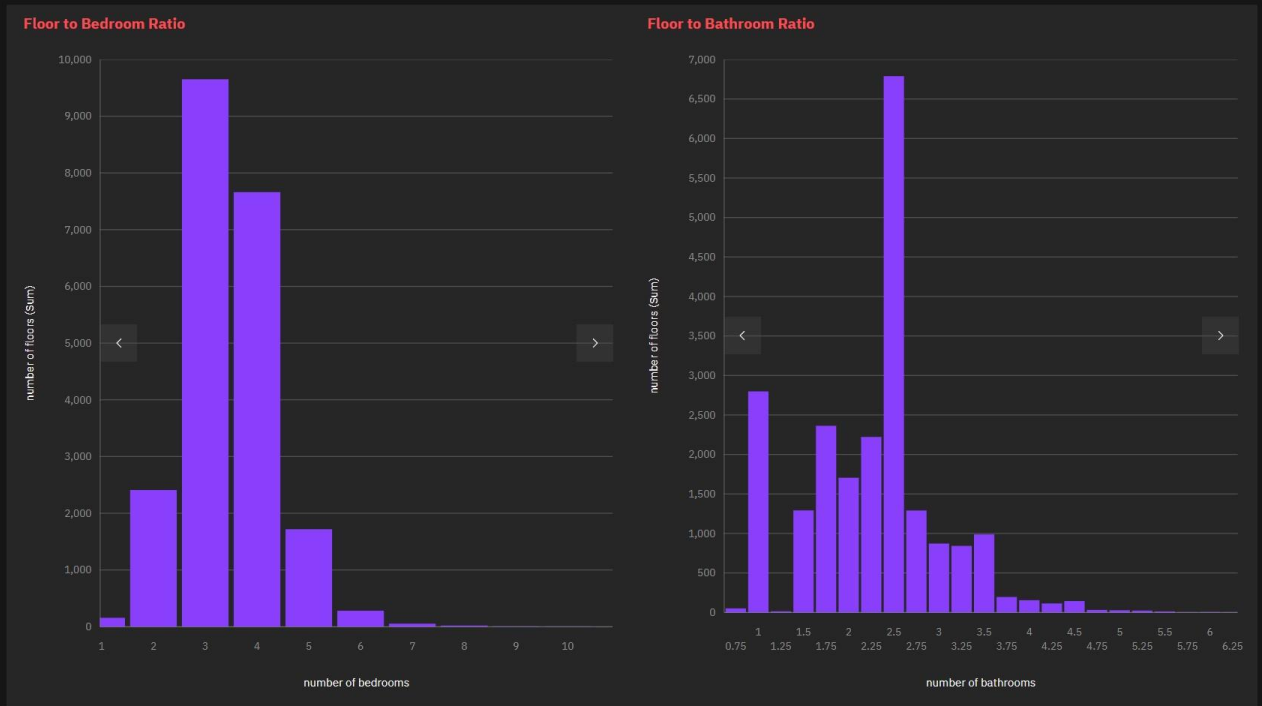| Task	Perform the three types of Visualization

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

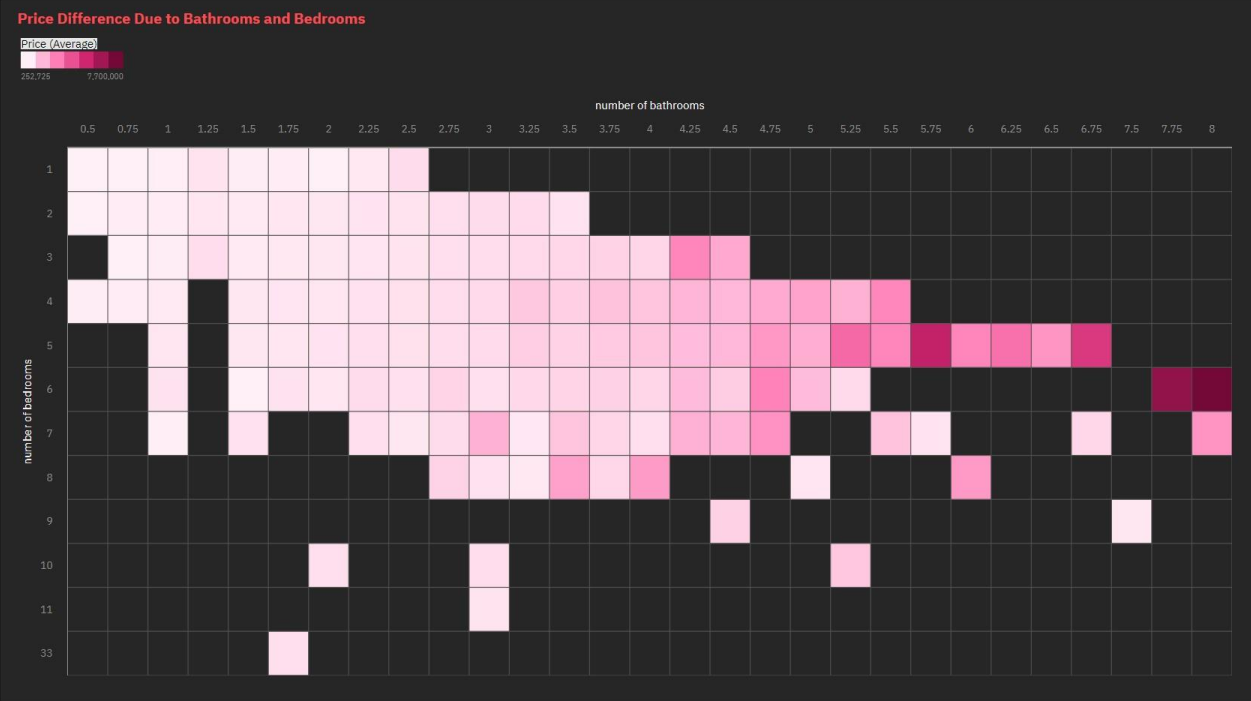## Number of Bathroom

Legend: ● 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

Pie chart values: 3,678 · 424 · 504 · 510 · 831 · 968 · 2,509 · 2,062 · 1,378 · 1,323

Number of Bedroom

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

Pie chart values: 3,688 · 5,395 · 19,836 · 18,896

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

Number Of Visits

y-axis: number of views (0, 1, 2, 3, 4)
x-axis: number of views (Count) — 0; 1,000; 2,000; 3,000; 4,000; 5,000; 6,000; 7,000; 8,000; 9,000; 10,000; 11,000; 12,000; 13,000; 14,000

Grade of House

y-axis: grade of the house (4, 5, 6, 7, 8, 9, 10, 11, 12, 13)
x-axis: grade of the house (Count) — 0; 500; 1,000; 1,500; 2,000; 2,500; 3,000; 3,500; 4,000; 4,500; 5,000; 5,500; 6,000; 6,500

Bi-variate Analysis

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

Floor to Bedroom Ratio

number of floors (Sum)

number of bedrooms

Floor to Bathroom Ratio

number of floors (Sum)

number of bathrooms

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

Distance from the airport

Price

Distance from the airport (Average)

Number of schools nearby

Price

Number of schools nearby (Count distinct)

Multi variate AnalysisMulti variate Analysis

Price Difference Due to Bathrooms and Bedrooms

Price (Average)

252,725   7,700,000

number of bathrooms

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.