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	ASSIGNMENT - 3

Tasks	1. **Download the dataset: Dataset**
	 2. **Load the dataset.**
	 3. **Perform the Below Visualizations.**
	     ● **Univariate Analysis**
	     ● **Bi - Variate Analysis**
	     ● **Multivariate Analysis**
	 4. **Perform descriptive statistics on the dataset.**
	 5. **Handle the Missing values.**

1. Download the dataset.

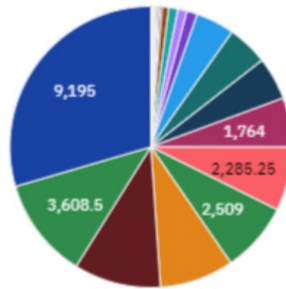**2. Load the dataset.**

3. Perform the Below Visualizations.

Univariate Analysis
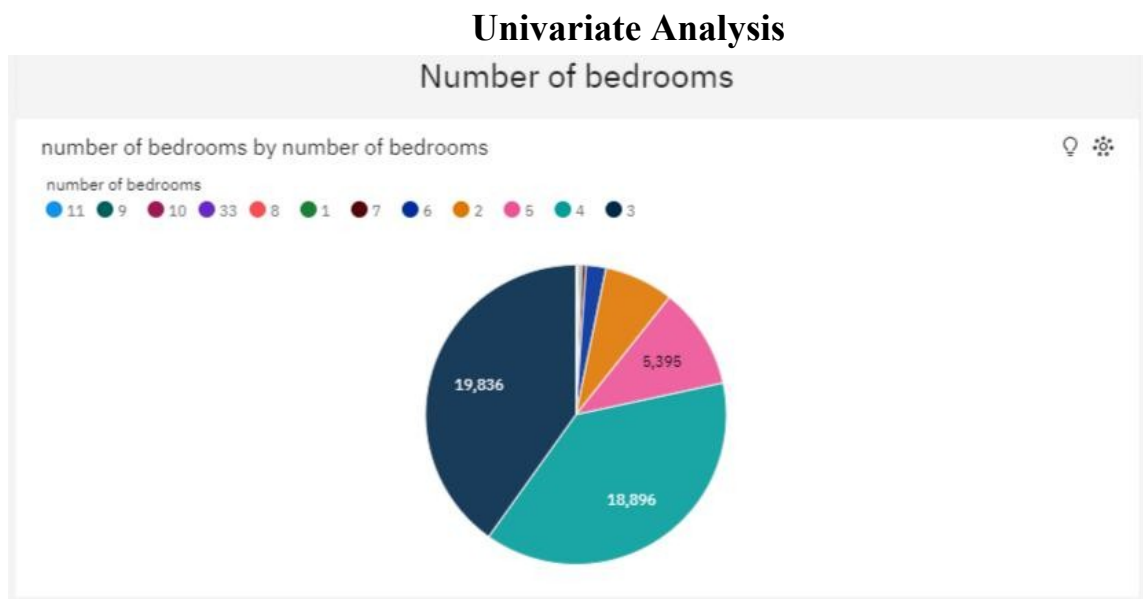
Number of bathrooms

number of bathrooms by number of bathrooms

number of bathrooms

● 0.5 ● 6.5 ● 7.5 ● 7.75 ● 1.25 ● 5.75 ● 6.25 ● 6.75 ● 8 ● 6 ● 0.75 ● 5.5 ● 5.25 ● 5 ● 4.75 ● 4.25
● 4 ● 4.5 ● 3.75 ● 3.25 ● 1.5 ● 3 ● 3.5 ● 2.75 ● 1 ● 2 ● 2.25 ● 1.75 ● 2.5
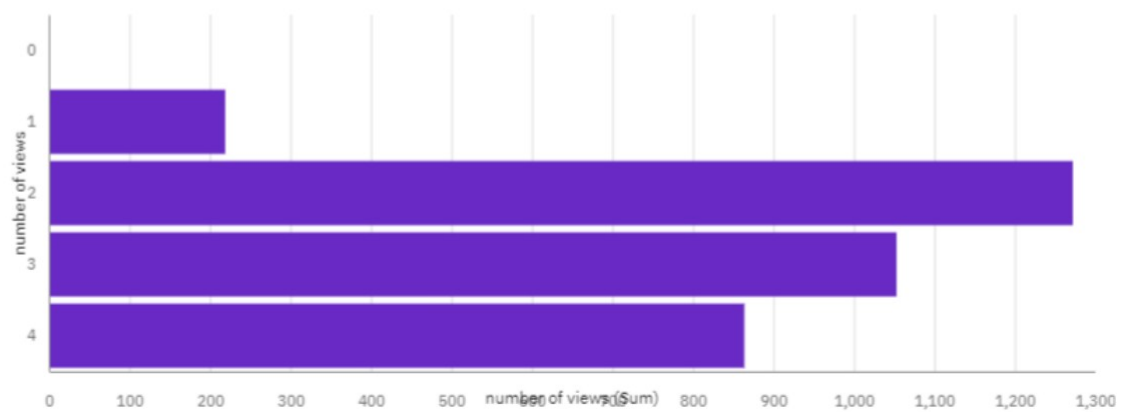
Pie chart values:
- 9,195
- 1,764
- 2,285.25
- 2,509
- 3,608.5

Grade of the house

grade of the house by grade of the house

(Histogram: y-axis "grade of the house (Count)" from 0 to 5,000; x-axis "grade of the house" from 4 to 13)
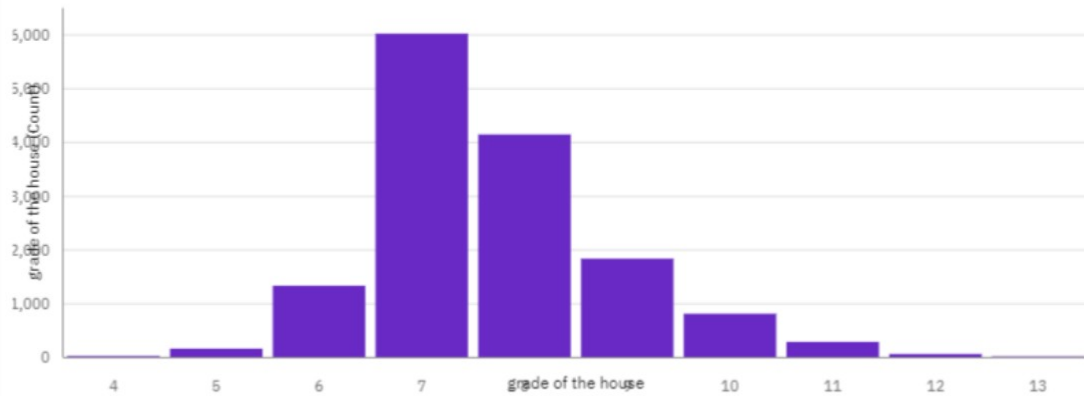
Number of views

number of views by number of views

(Bar chart: y-axis "number of views" 0–4; x-axis "number of views (Sum)" from 0 to 1,300)

Bi - Variate Analysis

Floor to bedroom ratio

number of floors by number of bedrooms

Floor to bathroom ratio

number of floors by number of bathrooms

Price by the grade of the house
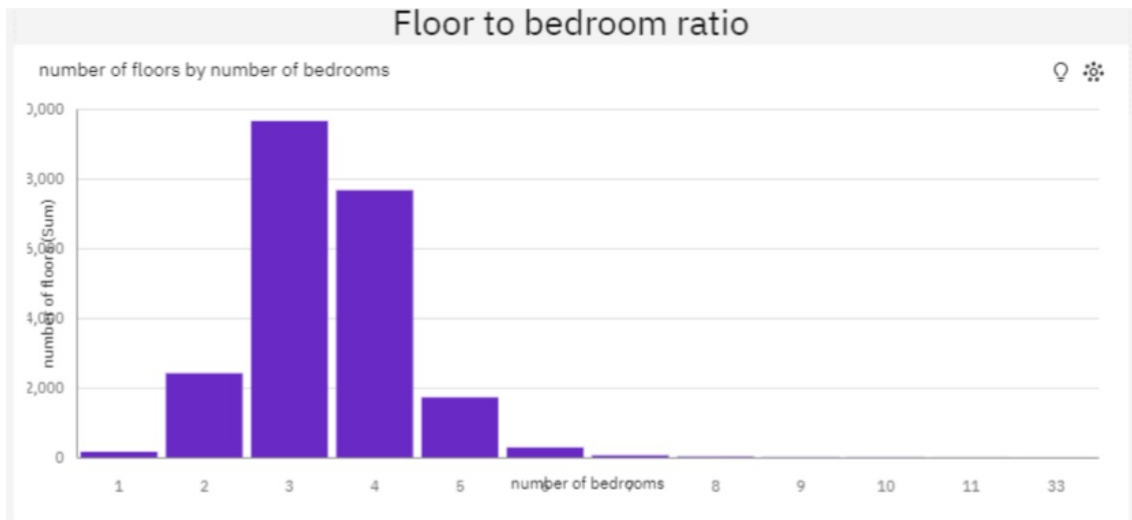
Price by grade of the house
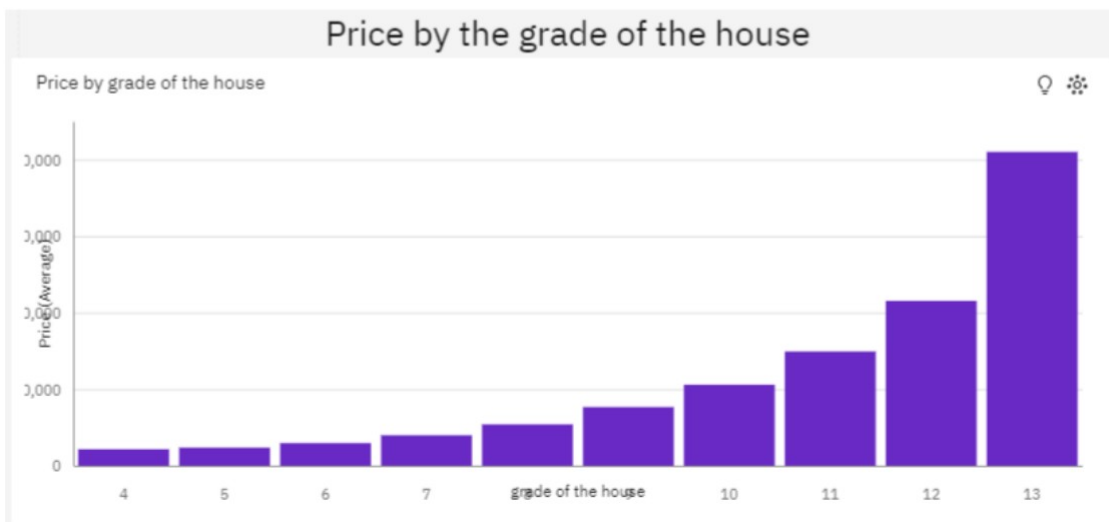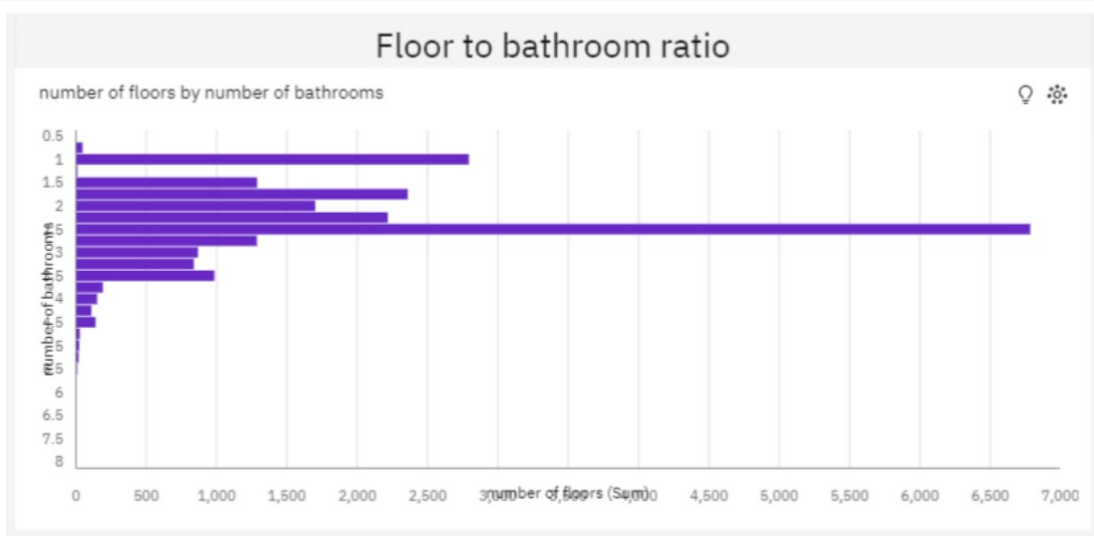
Multivariate Analysis

Price difference due to number of bedrooms and bathrooms
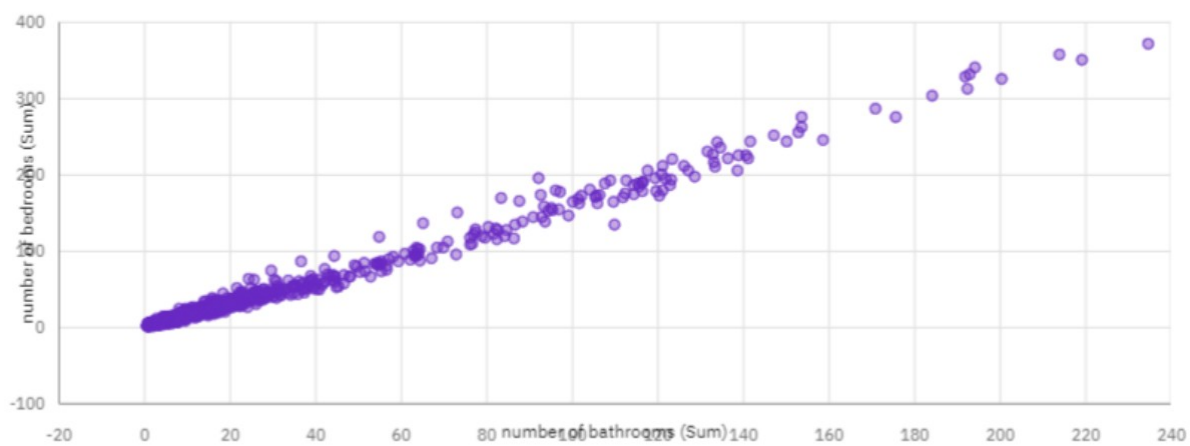
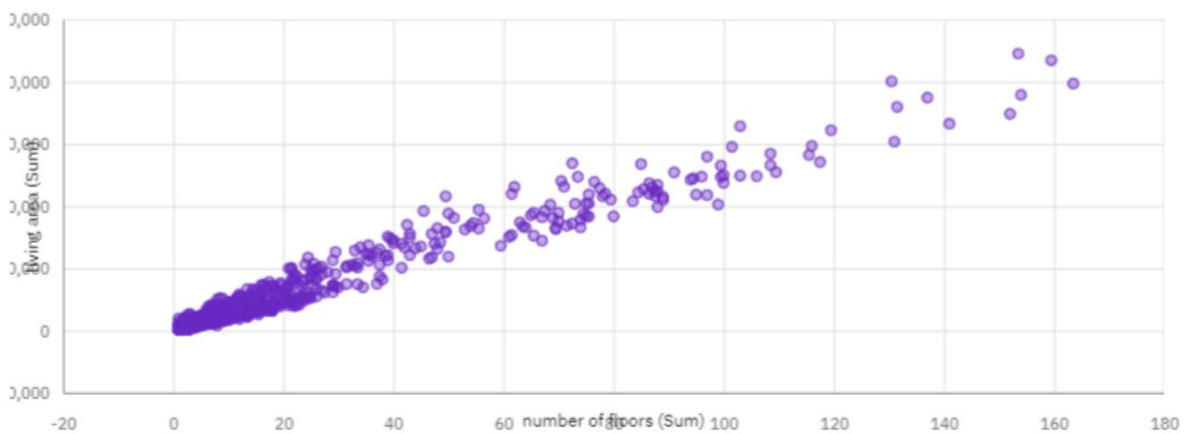Price by number of bedrooms and number of bathrooms

Price (Average)

252,725   7,700,000

Price difference based on number of bedrooms and bathrooms

number of bathrooms by number of bedrooms with points for Price

Price difference based on number of floors and living area

number of floors by living area with points for Price

4. Perform descriptive statistics on the dataset.

Number of Bedrooms	49,406
Number of Bathrooms	31,134.5
Number of floors	21,964.5
Number of visits/views	3,408
Number of schools nearby	29,419
Average Distance from the airport	64.95095759
Average price	538,932.21833105
Mode price	450000
Median of price	450000
Standard Deviation	367532.3808
Range	7622000
Sum of prices	7879189032
Count	14620
Minimum price	78000
Maximum price	7700000

5. Handle the Missing values.

No missing values in the dataset.