

# DATA VISUALIZATION REPORT

Project Name: Visualizing Housing Market Trends using Tableau

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## Data Preprocessing Steps

The housing dataset was prepared before creating visualizations to ensure accuracy and consistency.

- **Imported housing dataset into Tableau**

The dataset was connected successfully in CSV format.

- **Checked and handled null values**

Missing values were identified and handled appropriately to avoid incorrect calculations.

- **Removed unnecessary columns**

Irrelevant attributes that were not required for analysis were removed.

- **Assigned correct data types**

Numerical fields were set as measures and categorical fields as dimensions.

- **Created calculated fields**

Calculated metrics such as average sale price were created for deeper analysis.

- **Verified data consistency**

Data was validated to ensure correct aggregation and no duplication errors.

# Business Questions with Visualization

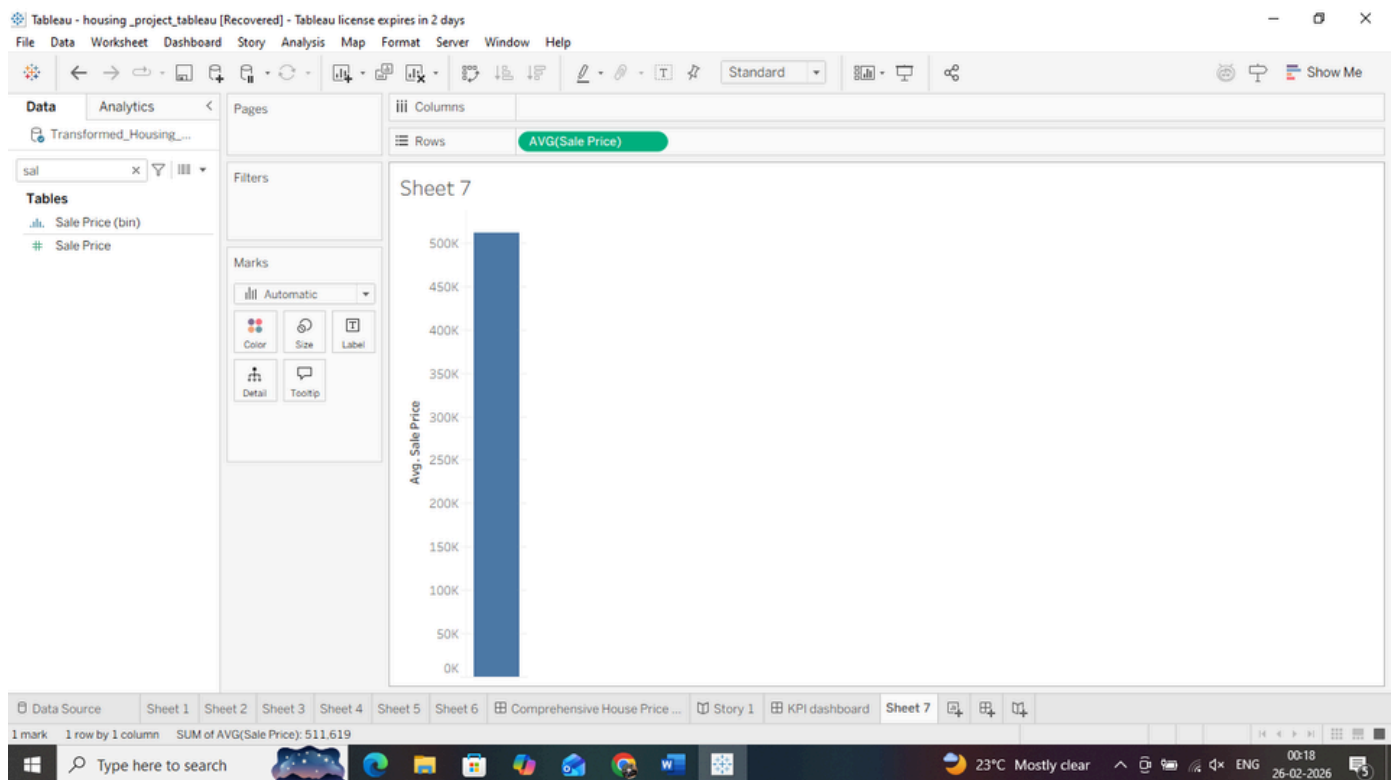
## Business Question 1:

What is the average sale price of houses?

## Explanation:

The visualization shows the overall average sale price calculated from the housing dataset.

This helps in understanding the general pricing trend in the housing market.

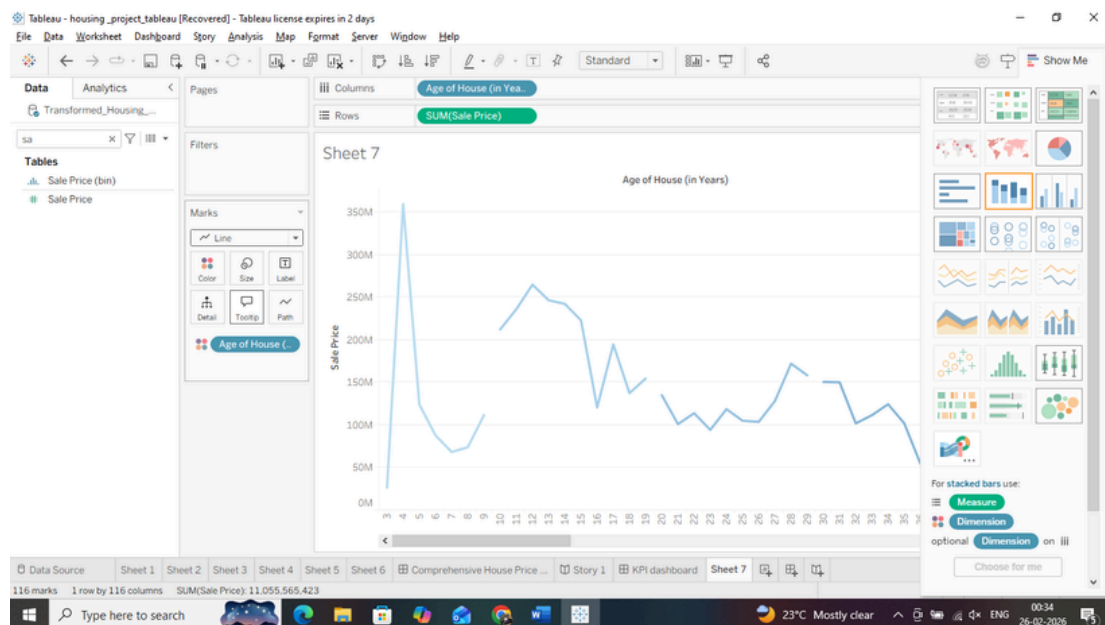


## Business Question 2:

How does house age affect sale price?

### Explanation:

This visualization analyzes how the age of a house influences its selling price. It helps identify whether newer or older houses have higher market value.



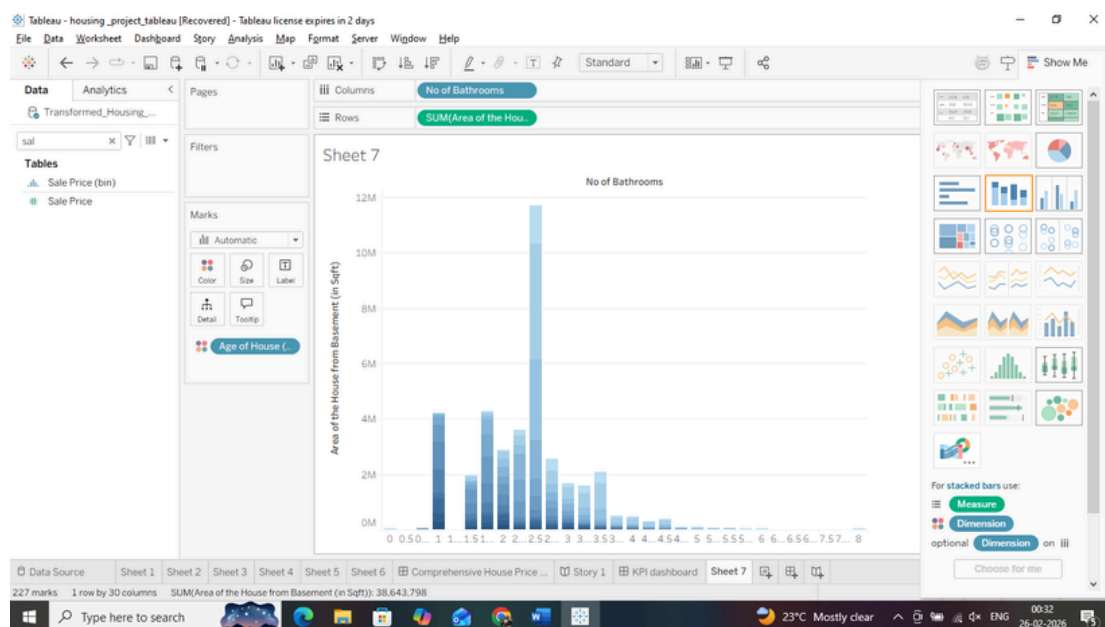
## Business Question 3:

How do bedrooms and bathrooms influence pricing?

### Explanation:

This chart compares house prices based on the number of bedrooms and bathrooms.

It provides insight into how property features impact market value.



## Business Question 4:

What is the impact of renovation on house sales?

### Explanation:

The visualization examines how renovation status affects house sale prices.

It helps understand whether renovated houses sell at higher prices.

