ANALYSING HOUSING PRICES IN METROPOLITAN AREAS OF INDIA

SUBMITTED BY

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10TH OCTOBER 2023

ANALYSING HOUSING PRICES IN METROPOLITAN AREAS OF INDIA

INDRODUCTION

OVERVIEW:

House price prediction in a metropolitan city in India is a valuable solution for potential home buyers, real estate agents, and investors. By leveraging historical sales data, property details, and location-specific information, a predictive model can accurately estimate house prices. The model's scalability, real-time updates, user-friendly interface, and transparency ensure it meets the needs of stakeholders.

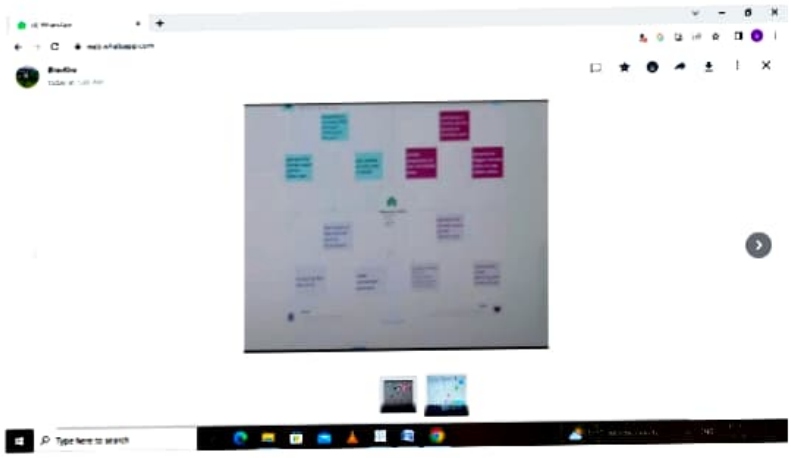
PURPOSE:

By addressing the following requirements ie., Integration capability, data privacy, and cost-effectiveness, the prediction model provides reliable insights, empowering stakeholders to make informed decisions in the fast-paced real estate market.

PROBLEM DEFINITIONS & DESIGN THINKING

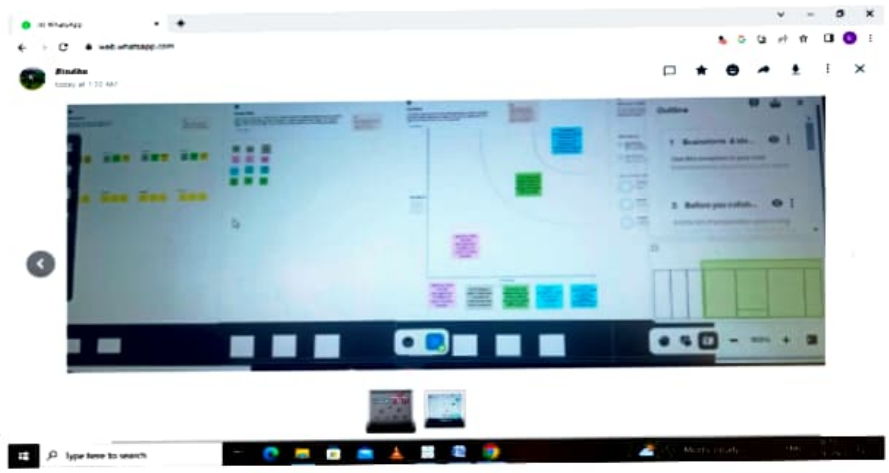
EMPATHY MAP

A tool used in design thinking to build an emotional representation of a user or the customer. It' s a versatile activate that may be used to generate new product ideas as well as better understand existing once.



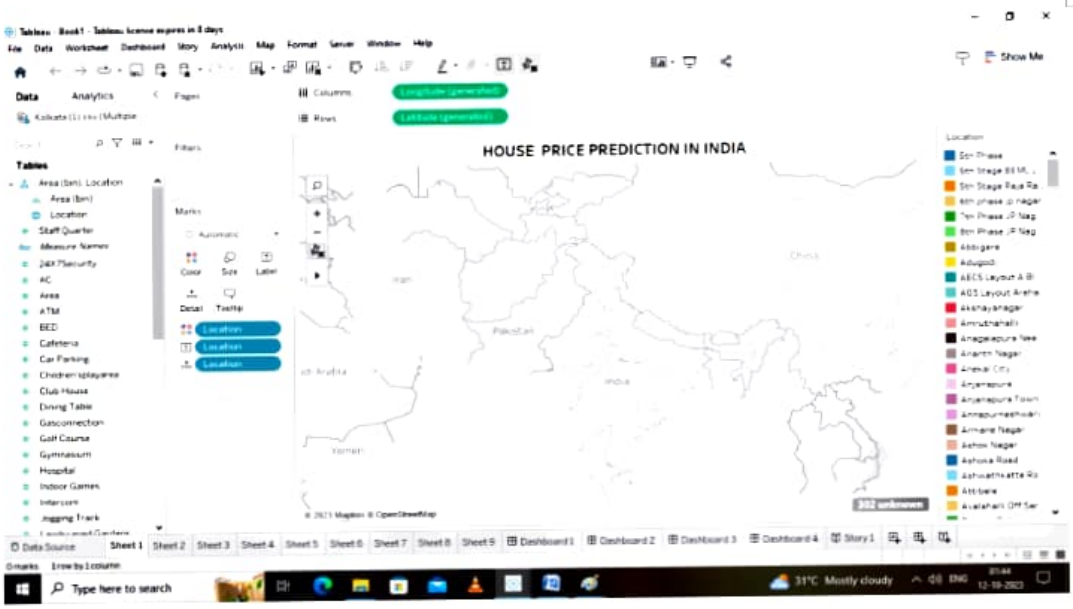
BRAINSTROM :

A visualization technique is a brainstorming tool which allows you to explore a central idea.

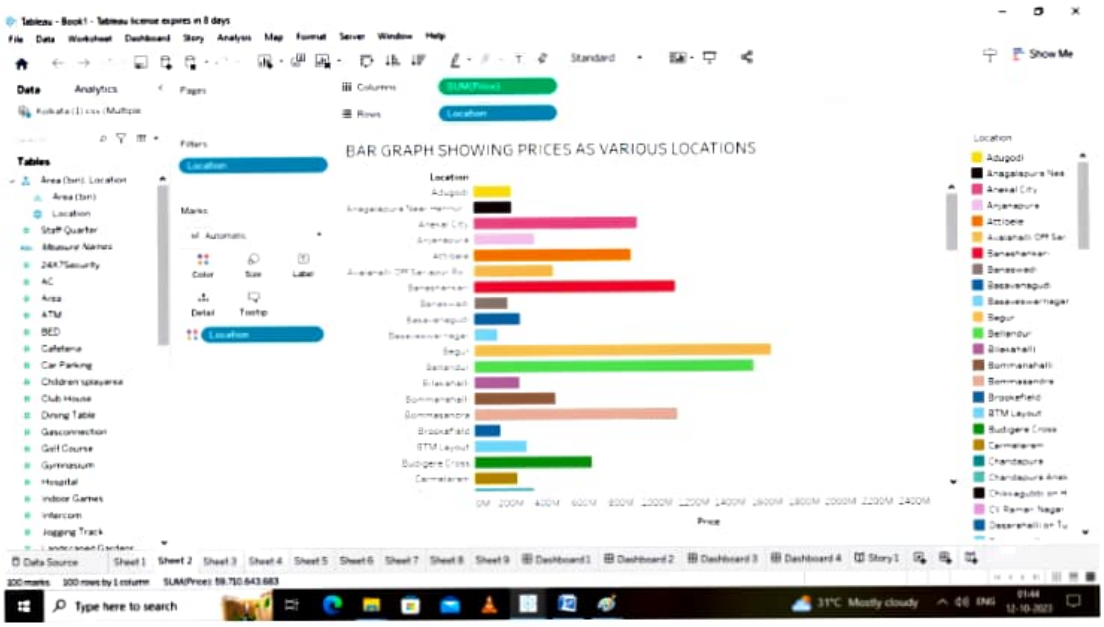


Result:

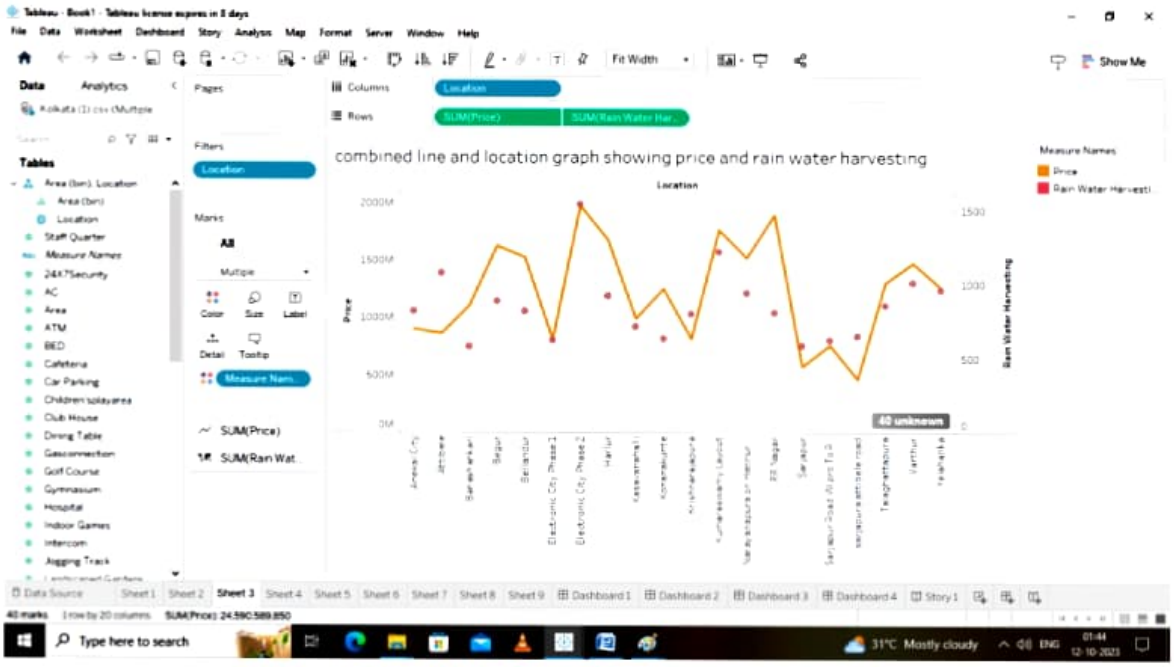
A large developed region containing a core city developed industries and infrastructure. Urban agglomeration having a population of over four million .



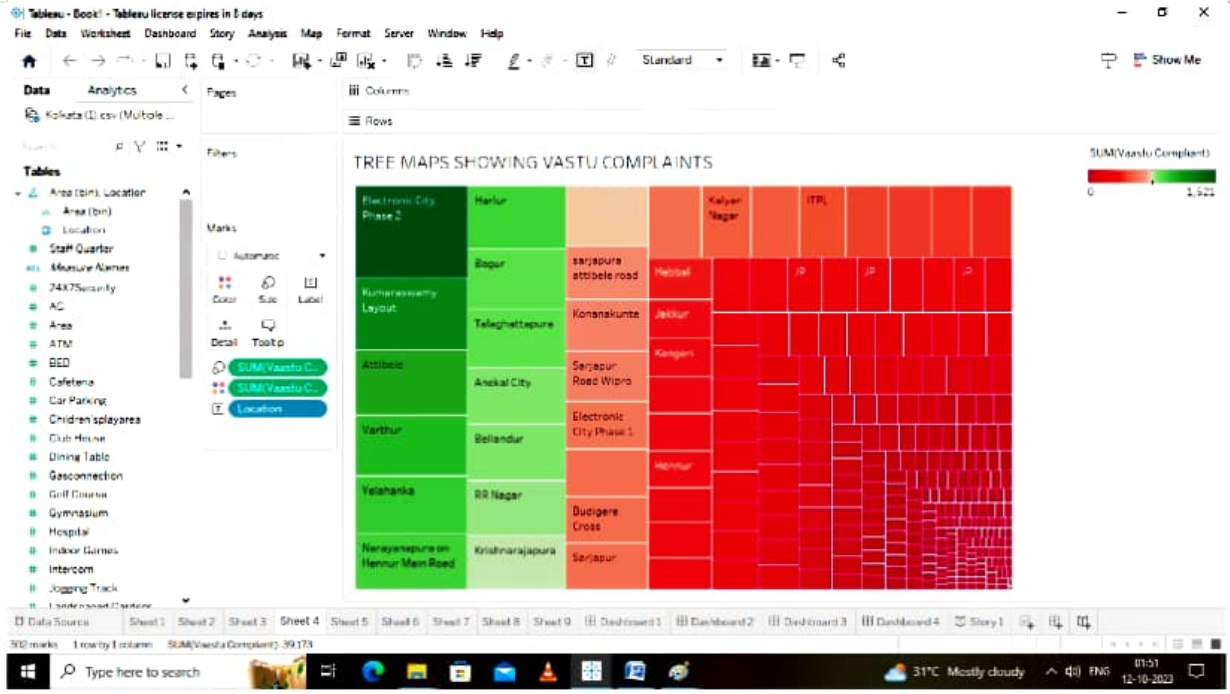
Bar chart consist of multiple prices bars with each bar illustrating the prices of an asset. A bar chart visually depicts the open, high ,low, and close prices of an asset period of time .



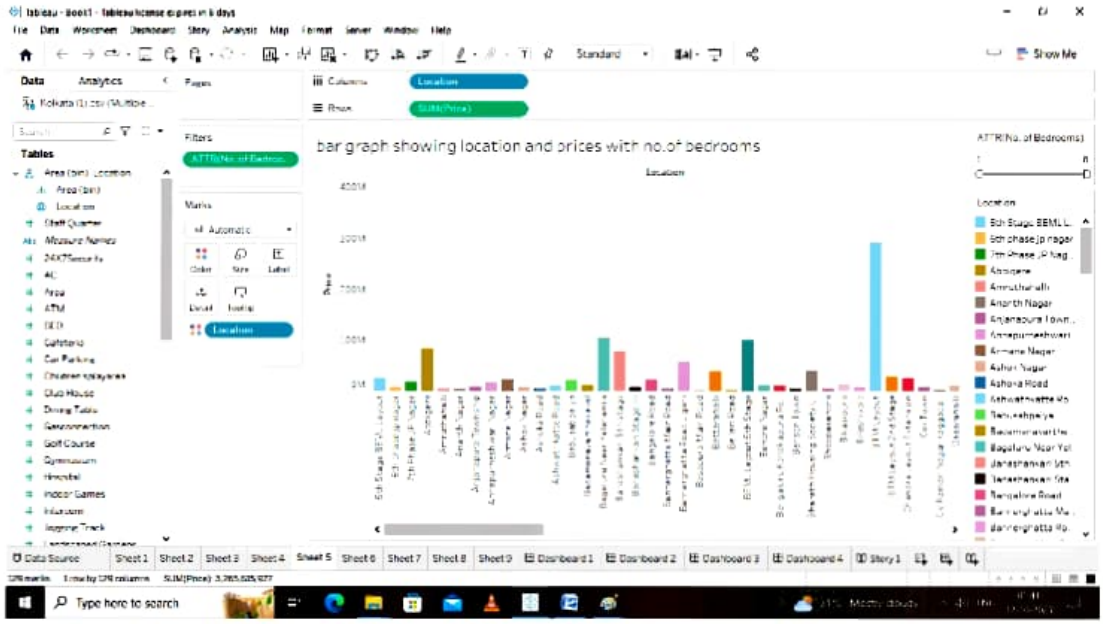
The collection and storage of rain rather then allowing it to run off. A method that involves the collection and storage of rainwater for further use .

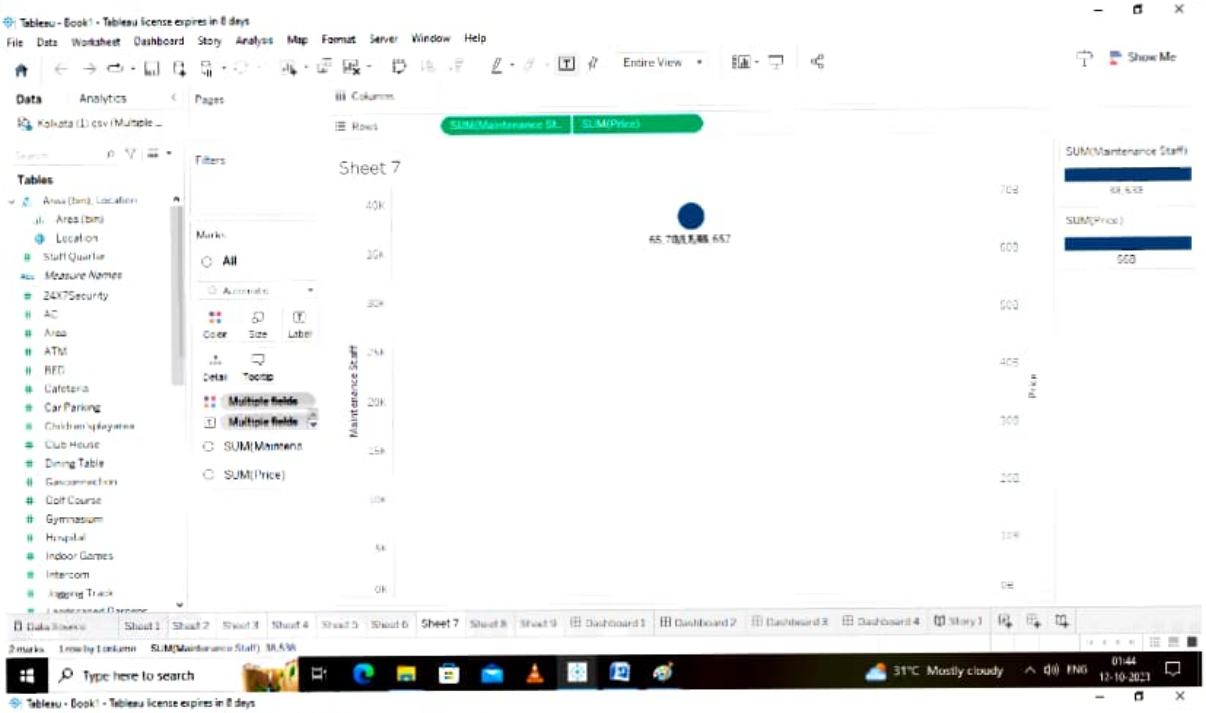


A histogram is a type of bar graph where the bars have no gaps between them .



A bar chat or bar graph is a chart or graph that presents categorical data with rectangular bars .

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Sheet 7
Maintenance Staff
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SUM(Maintenance Staff)
SUM(Price)
Tables
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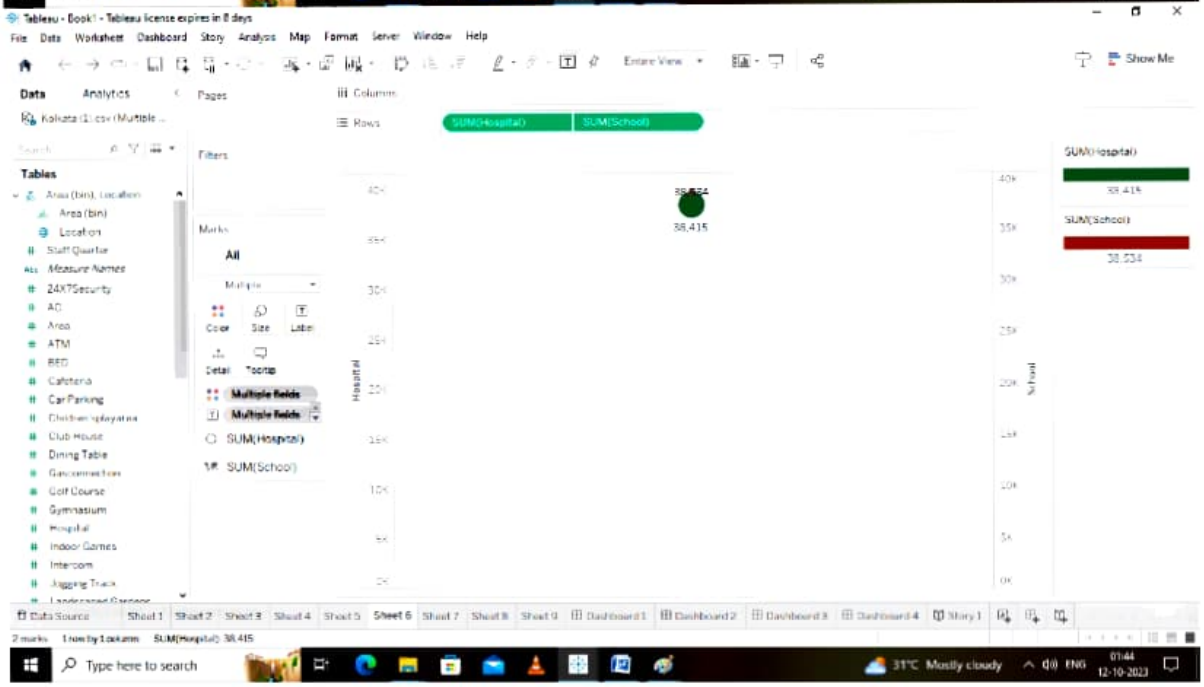
Area (bin)
Location
Staff Quarter
Measure Names
24X7Security
AC
Area
ATM
BED
Cafeteria
Car Parking
Club House
Dining Table
Golf Course
Gymnasium
Hospital
Indoor Games
Intercom
Jogging Track
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Story 1
2 marks
1 row by 1 column
SUM(Maintenance Staff): 38,538
Type here to search
31°C Mostly cloudy
ENG
01:44
12-10-2023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Area (bin), Location
Area (bin)
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Measure Names
24X7Security
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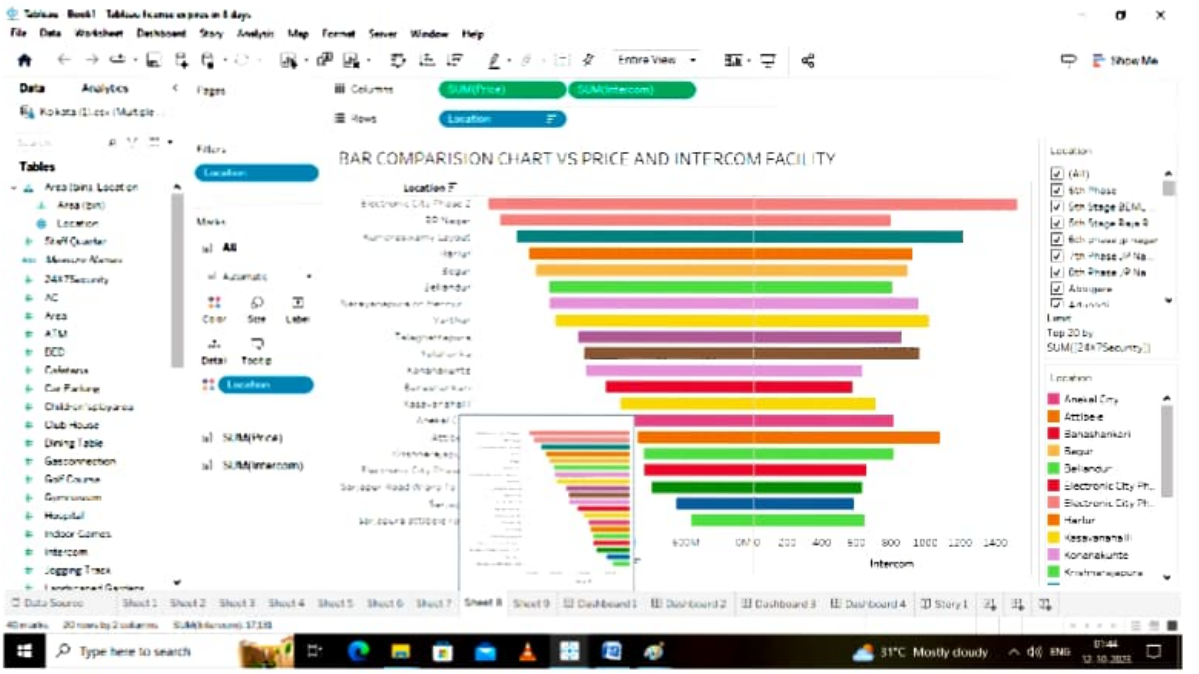

A Pie chart shows data as circular bars with each slice representing a portion of the data set of nominal data or displaying the different value of given variable .

Advantages& Disadvantages:

Advantages:

Help the developer determine the selling prices of a house and can help the customer to arrange the right time to purchase a house .

It doesn' t predict future prices of the houses mentioned by the customers.

Effective decision making based on data .creation f safer communities.

Improved urban transportation .improving the environment through various system

Evolution towards the internet of things.

Reduction of both economic and natural input cost

Disadvantages:

Significant capital investment in technology is required.

There is a dependence on technology service companies

Real Estate becomes more expensive as it more difficult to build and other cities.

Considerable increase in electronics waste.

Larger technological gaps open up between smart cities and other cities.

Applications:

This project will enable us to predict a house price in a metropolitan city in India. Also, the

data analyzed will give a a valuable solution for potential home buyers, real estate agents, and investors.

Conclusion:

The results of the project will provide a reliable insights, empowering stakeholders to make informed decisions in the fast-paced real estate market.

FUTURE SCOPE

The Analyzed data will enable the home buyers, real estate agents, and investors to get an idea of housing prices in metropolitan, municipal and Town panchayats of a state.

Similar analysis can be extended to Muncipal and Town panchayat areas.

APPENDIX:

Skills Required:

Tableau , Data Literacy , Data preparation , housing Intelligence , Data visualization.