

ANALYSING HOUSING PRICES IN METROPOLITAN AREAS OF INDIA

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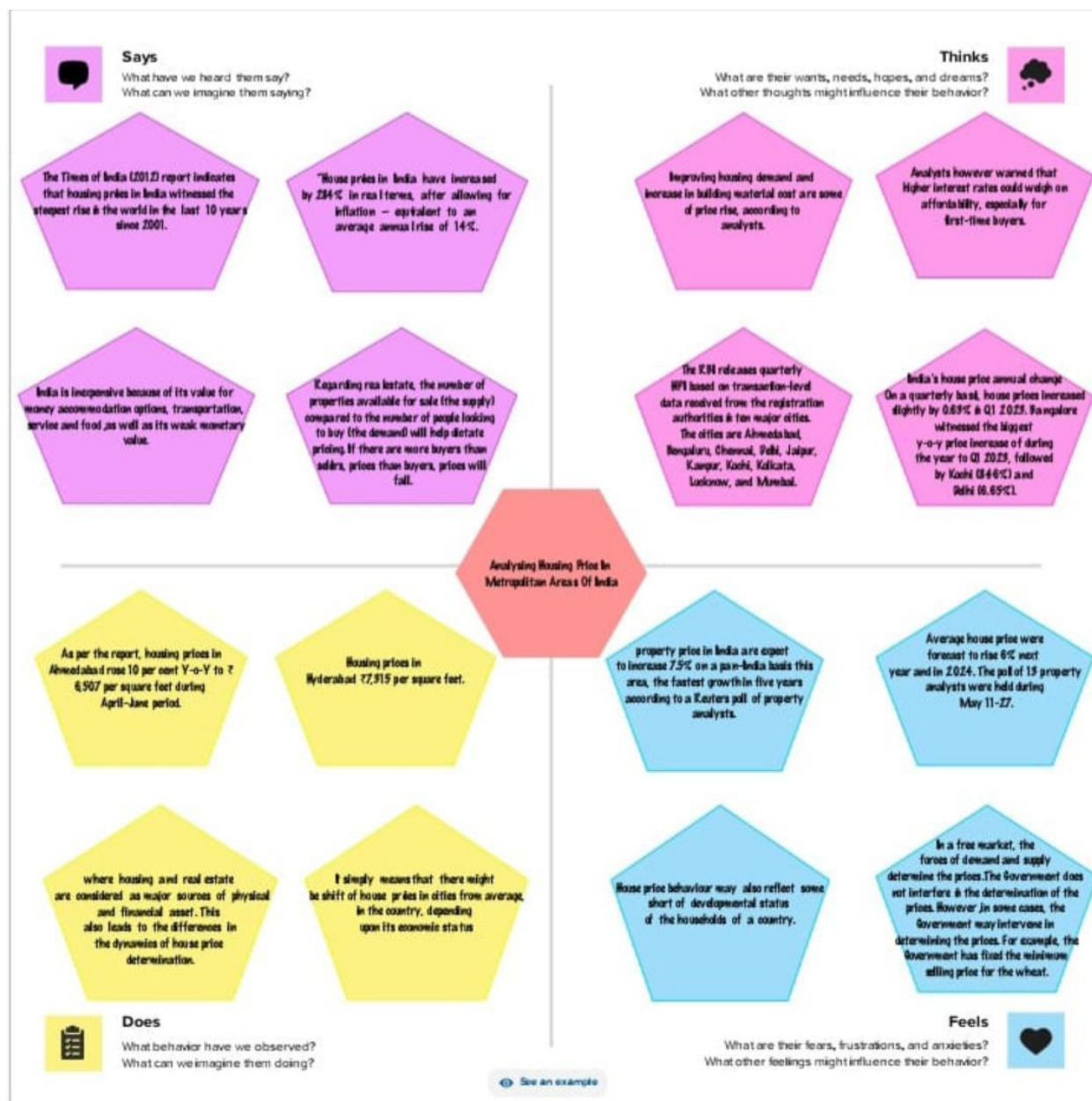
Department : Physics

INTRODUCTION :

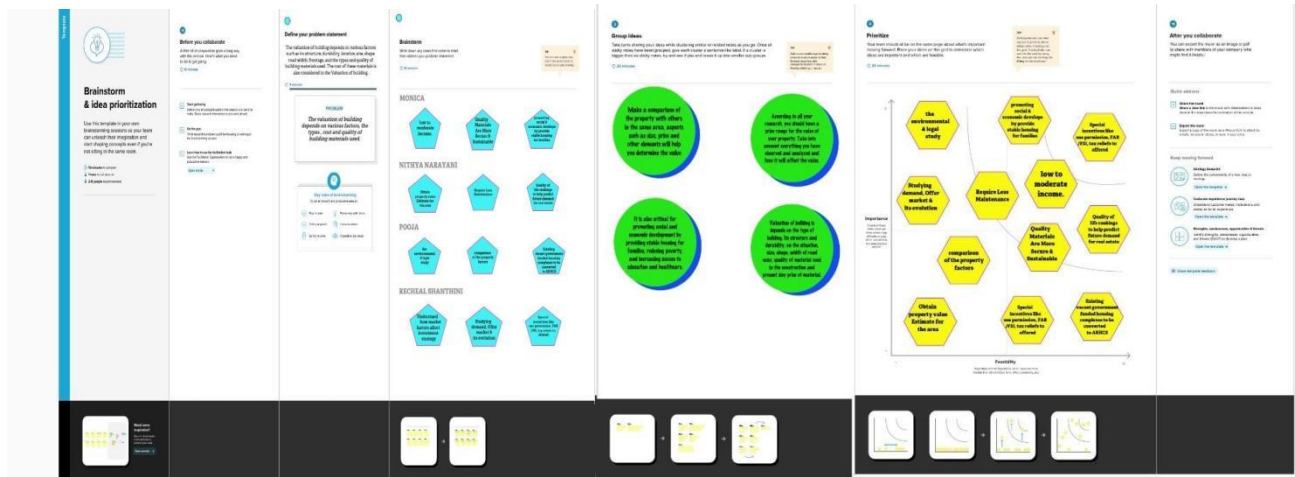
Traditional development theories believed that agriculture, industrialization, urbanization, are significant ingredients of growth, and, ultimately important prerequisites for achieving development. Within the economy itself, the status of growth of a state can be judged through its performance in agricultural and industrial production, performance of service sector and urbanization , and their impact through their contribution in income and employment generation at the national level. Thus, house price behaviour may also reflect some short of developmental status of the households of a country. Hence, this paper focuses upon residential property prices in metropolitan cities in India, more specifically, on the study of fifteen metropolitan cities located at different parts of the country consisting Delhi, Mumbai, Bengaluru, Kolkata, Chennai, Jaipur, Lucknow, Hyderabad, Pune, Surat, Ahmedabad, Patna, Faridabad, Kochi and Bhopal. Due to their locations, the cities are having regional characteristics. Against this background, the basic question that arises is whether these fifteen metropolitan cities act as a single market or they work separately as segmented independent metropolitan housing markets within the country.

PROBLEM SOLVING :

EMPATHY MAP



BRAINSTORMING MAP



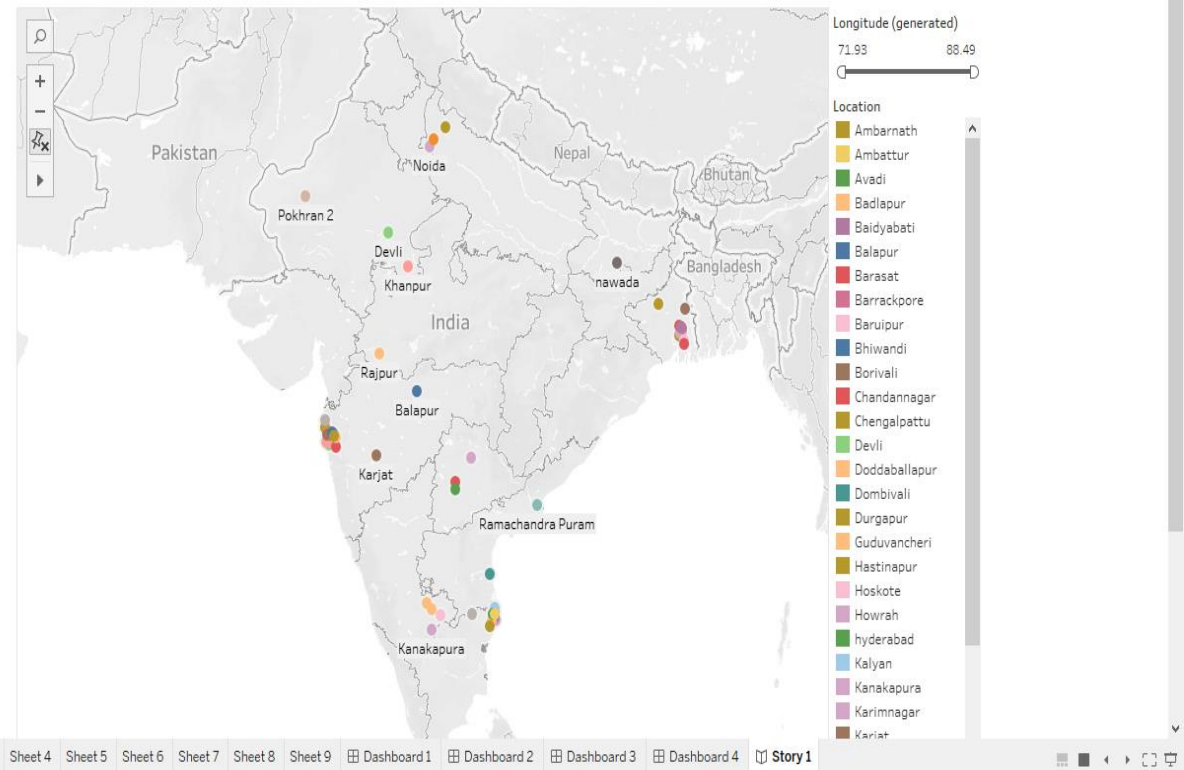
DATA VISUALIZATION :

Data visualization is the art of providing insights with the aid of some type of visual representation, such as charts, graphs, or more complex forms of visualizations like dashboards.

MAP DATA VISUALISATION :

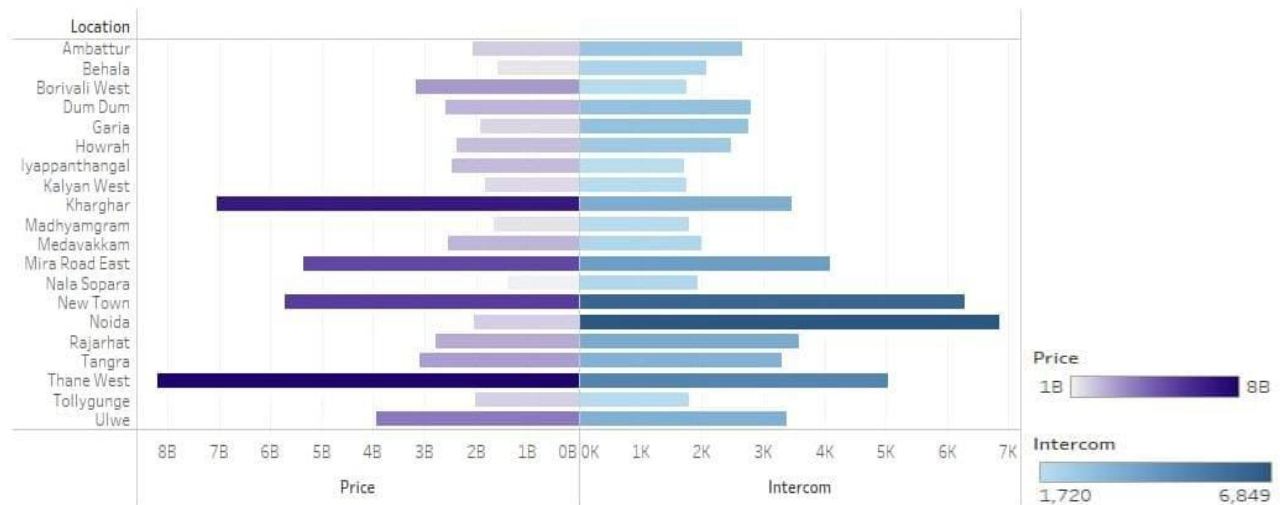
Point maps are straightforward, especially for displaying data with a wide distribution of geographic information. Then you can use the point map for precise and fast positioning.

Story 1



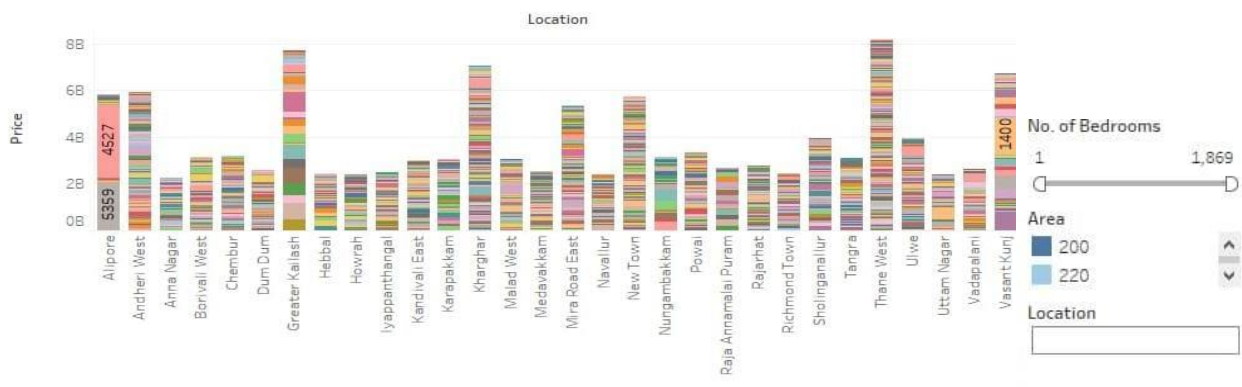
BAR COMPARSION CHART:

In this bar chart, we can understand the housing prices and we can analyse the intercom facility in india.



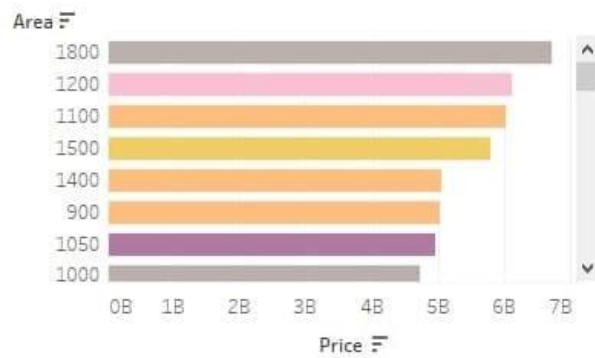
Price and intercom facility

This another type of bar chart were we can analyse location and price with no of bedrooms in india.



Location and price with no of bedrooms

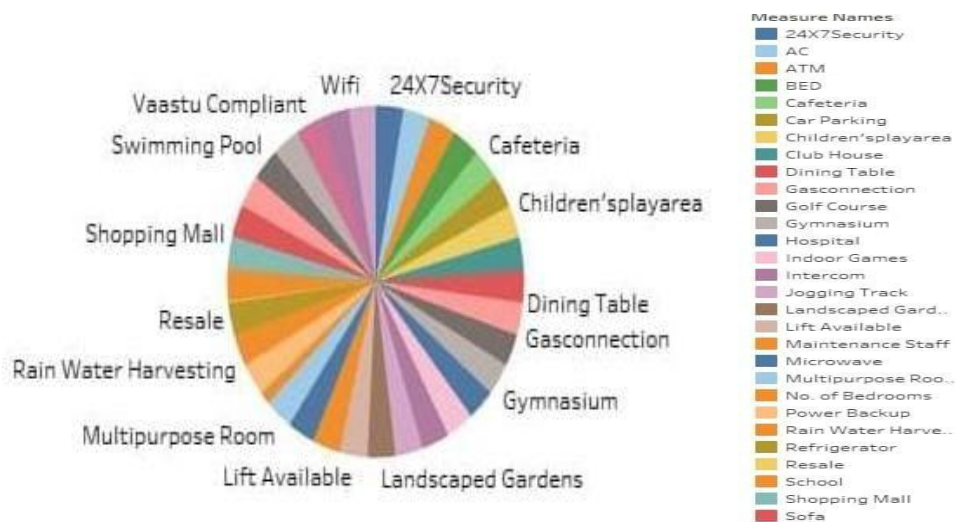
we used a bar graph to visualize the prices as various locations.



Prices as various locations

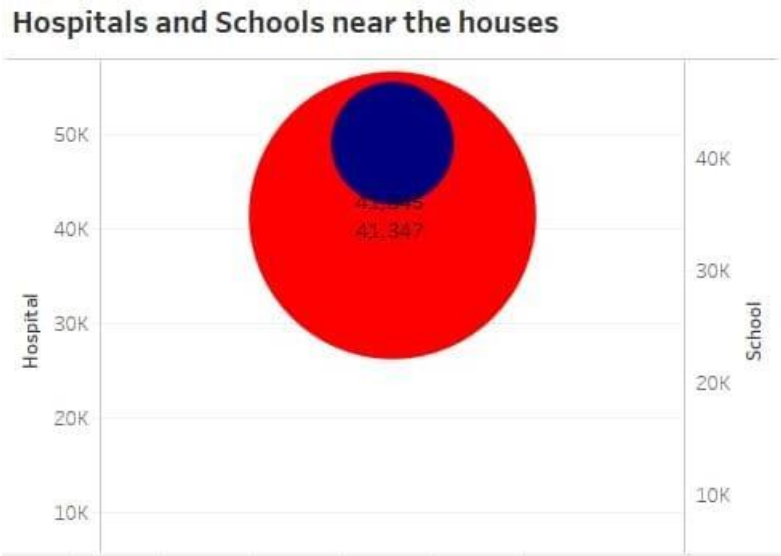
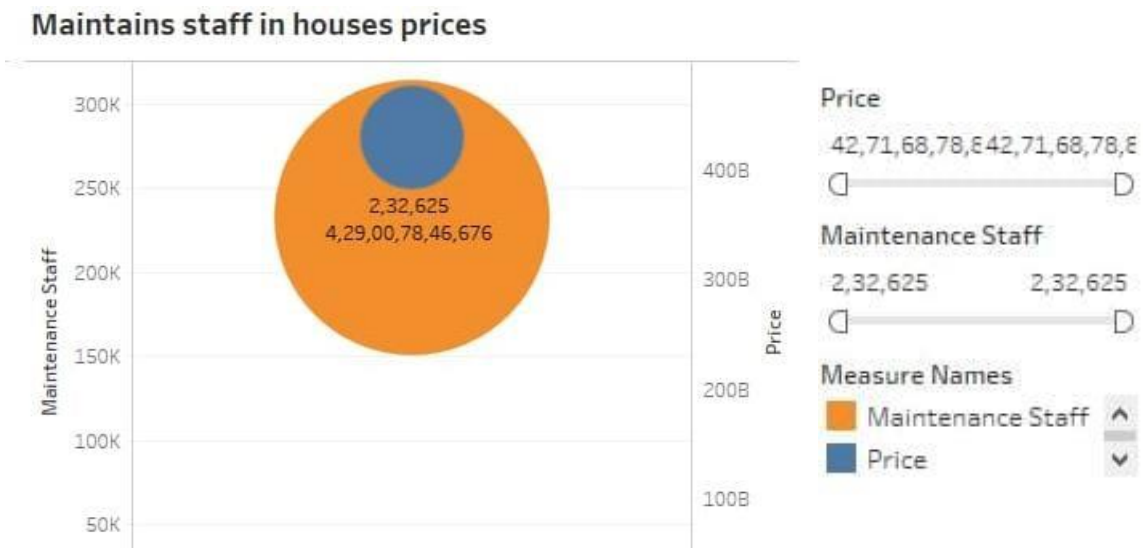
PIE CHART:

From this pie chart, we have understand the important of facility such as AC, ATM , bed , cafeteria , etc,...



Various Facility

This is another type of pie chart but it looks like the donut chart.it is used to visualize the maintains staff in houses prices and hospitals and schools near the houses.



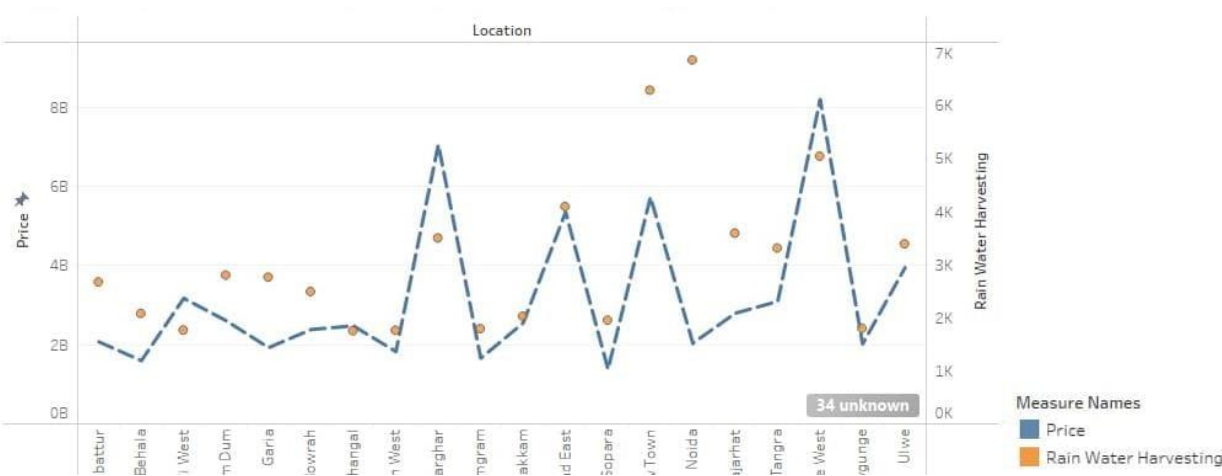
TREE MAPS :

Tree maps is used to analyse the vastu complaints.



Vastu complaints

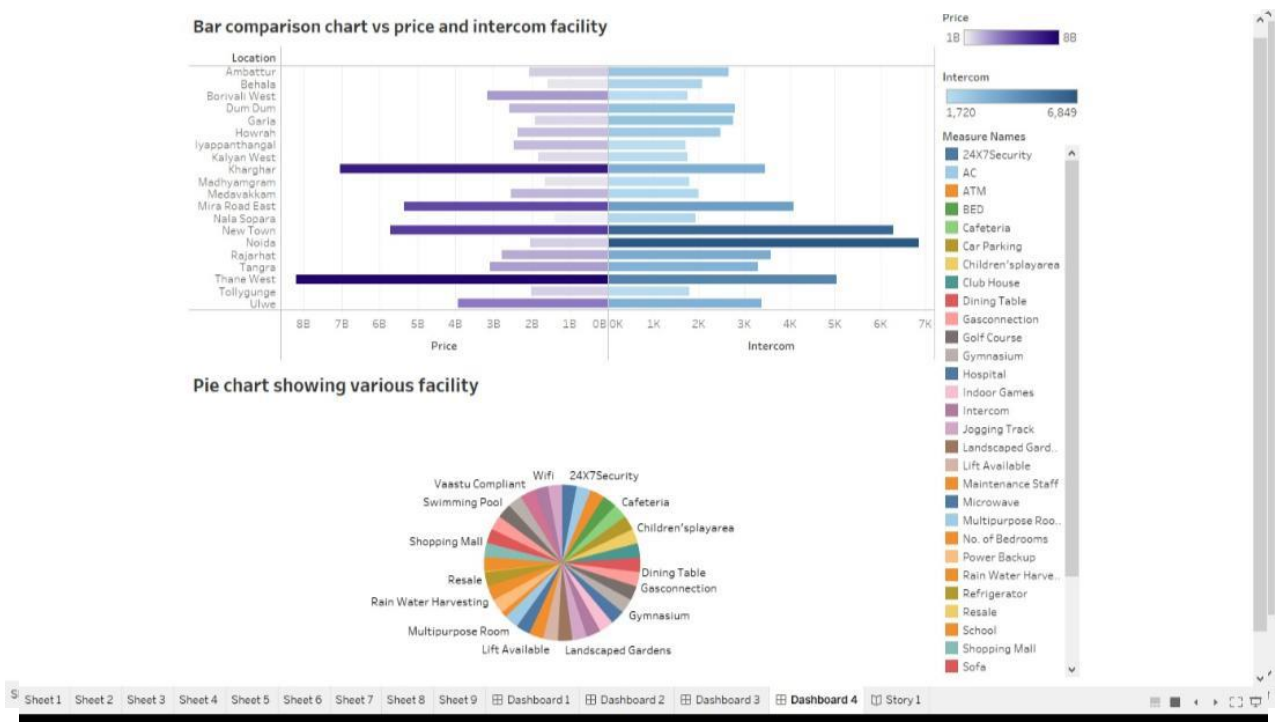
COMBINED LINE AND LOCATION GRAPH :



Prices and water harvesting

This graph is to visualize the price and water harvesting locations.

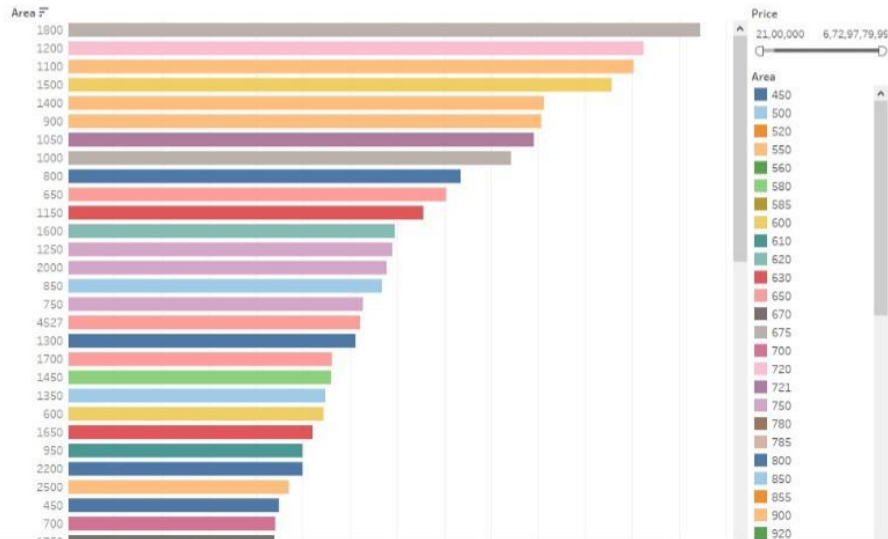
DASHBOARD:



STORY:

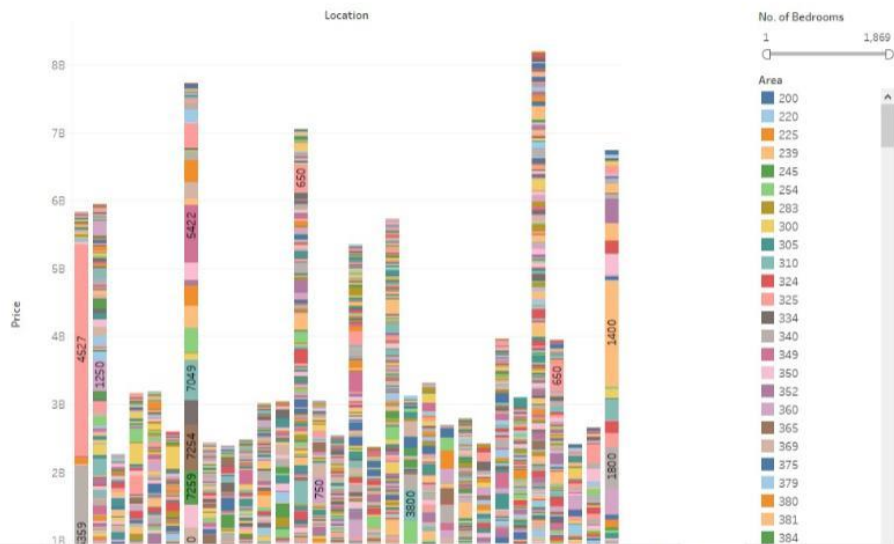
ANALYSING HOUSING PRICES IN DIFFERENT GRAPH:

Story 1



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

Story 1



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

CONCLUSION

The house prices in the metropolitan areas of India have been on the rise due to various factors. This has made it challenging for individuals and families to afford housing in these areas. It is crucial for potential buyers and investors to carefully analyze the market trends, consider their financial capabilities, and explore various options to make informed decisions about purchasing property in the metropolitan areas of India.