Project Report

1.INTRODUCTION

1.1 Overview

This Project is based on Analysing housing prices in Metropolitan areas of India. When analyzing house prices, several factors come into play. One must consider the location's proximity to essential amenities such as schools, hospitals, transportation hubs, and commercial districts.

Additionally, the overall economic growth and development of the city should be taken into account as it directly impacts property values. The demand-supply dynamics at both the micro and macro levels also influence prices significantly. Factors like population density, urbanization rate, and housing market trends contribute to this dynamic landscape. Understanding these intricate details allows analysts to discern the real estate cycles in metropolitan areas of India accurately

Furthermore, local policies and regulations regarding land use and construction approvals can have a profound effect on house prices by impacting supply constraints or facilitating new developments that attract buyers. In-depth analysis should include a thorough examination of historical price trends coupled with statistical modeling techniques to identify patterns and predict future price movements accurately.

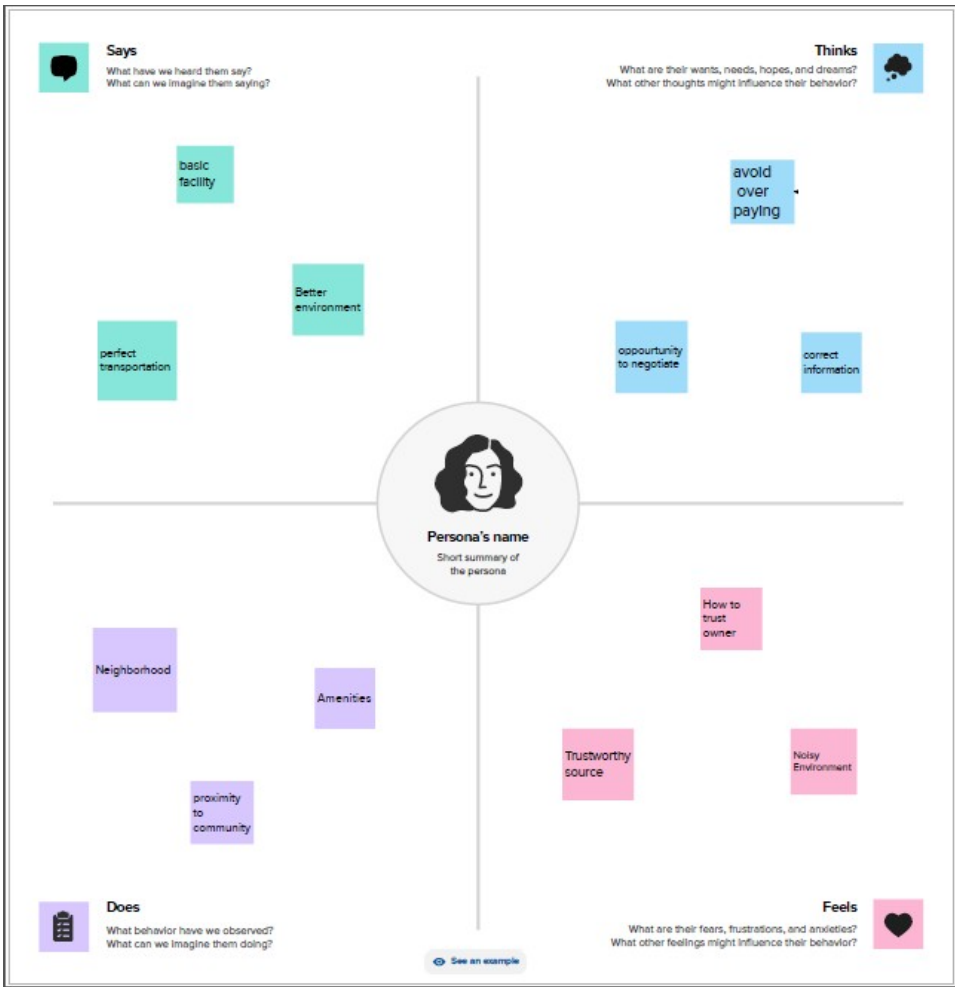
1.2 Purpose

The purpose for analyzing housing prices in metropolitan areas of India is to gain a comprehensive understanding of the real estate market and its implications. By studying housing prices, professionals can identify trends, patterns, and factors that contribute to fluctuations in the market.

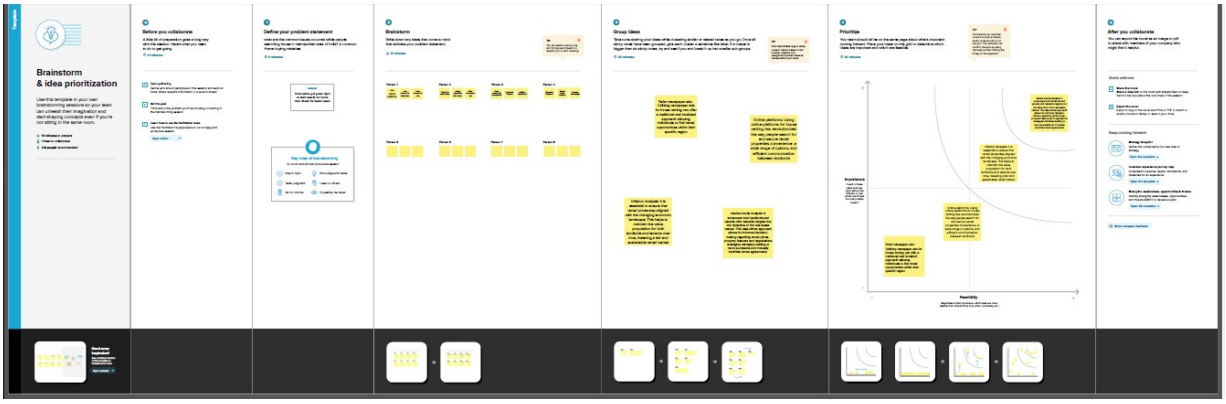
sssBy conducting detailed research on these elements and scrutinizing historical data combined with current market trends using advanced statistical models and tools can provide invaluable insights for stakeholders including developers, investors, policymakers as well as potential homebuyers or renters looking for accurate information before making any decisions related to housing in metropolitan areas of India.

2.PROBLEMS DEFINITION &DESIGN THINKING

2.1 Empathy Map



2.2 Ideation & Brainstorming map



3.DATASET

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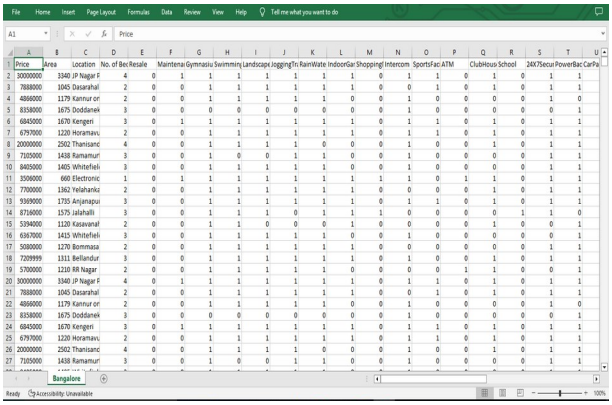

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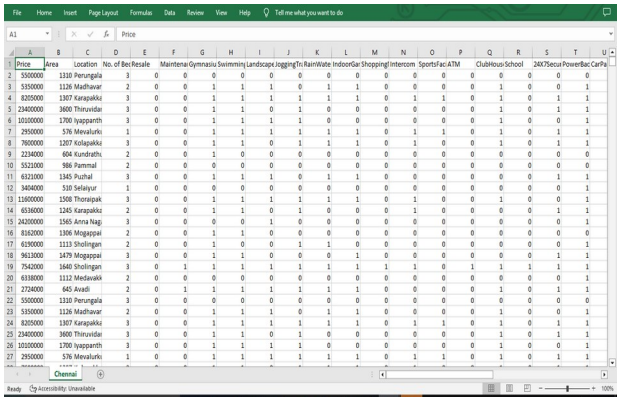
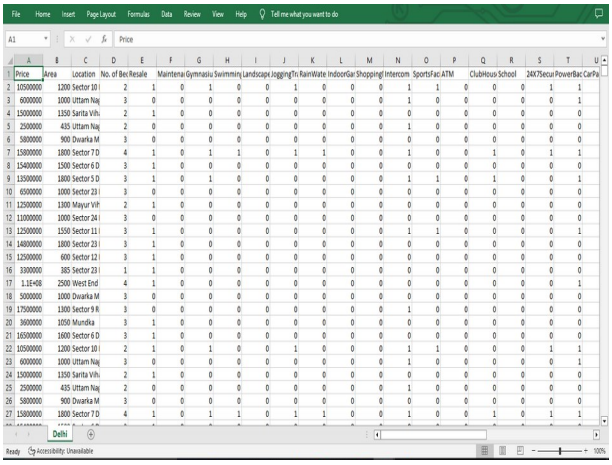
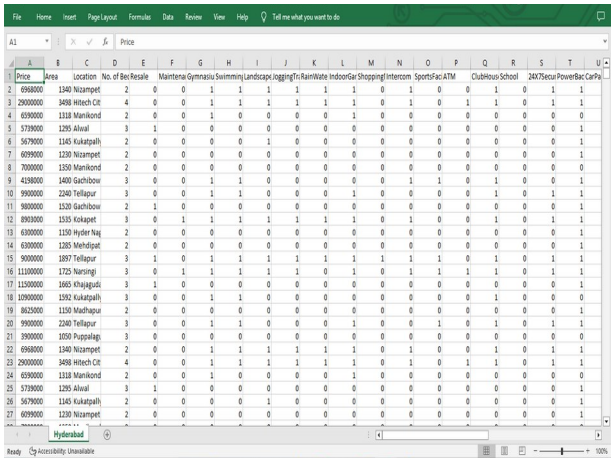


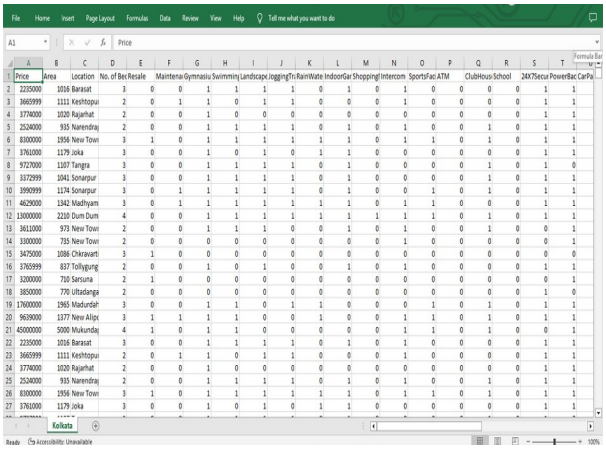
3.3 Delhi



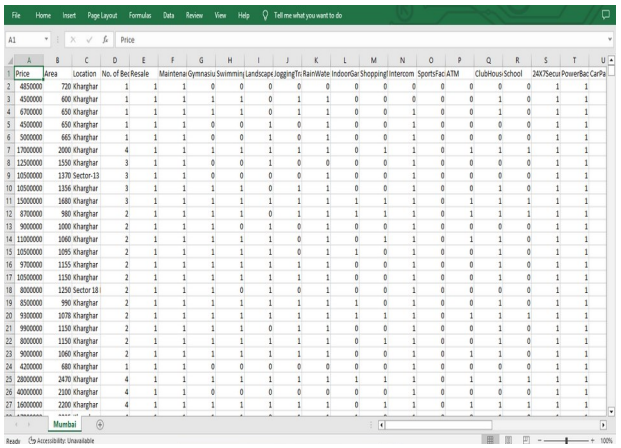
3.4 Hyderabad



3.5 Kolkata

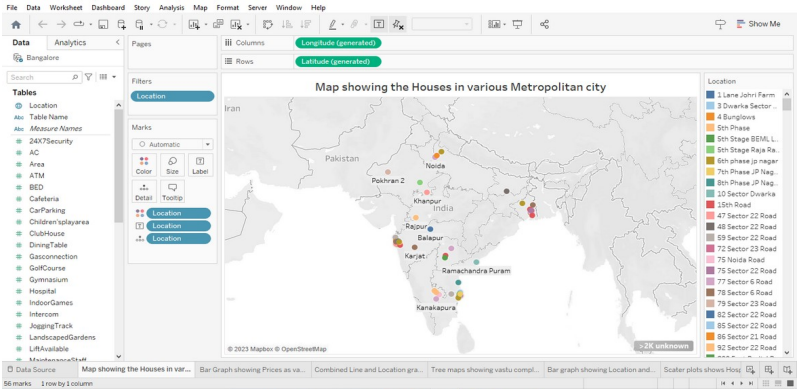


3.6 Mumbai

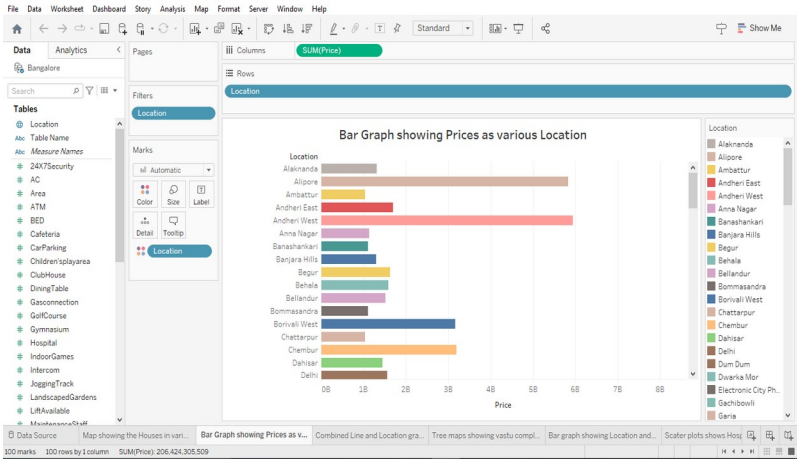


4.VISUALIZATIONS

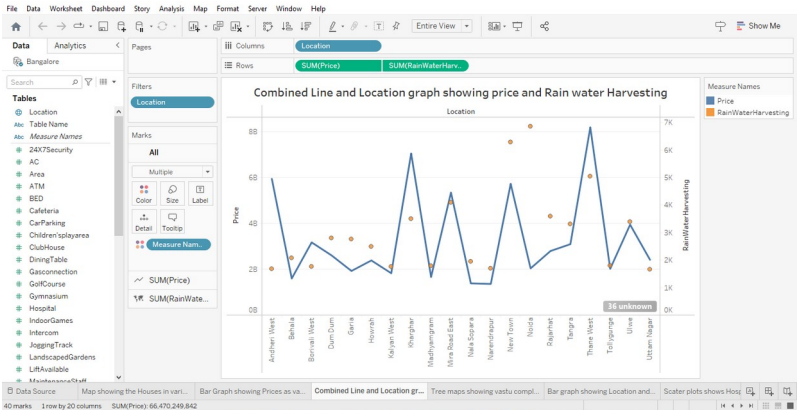
4.1 Latitude and Longitude based on Location



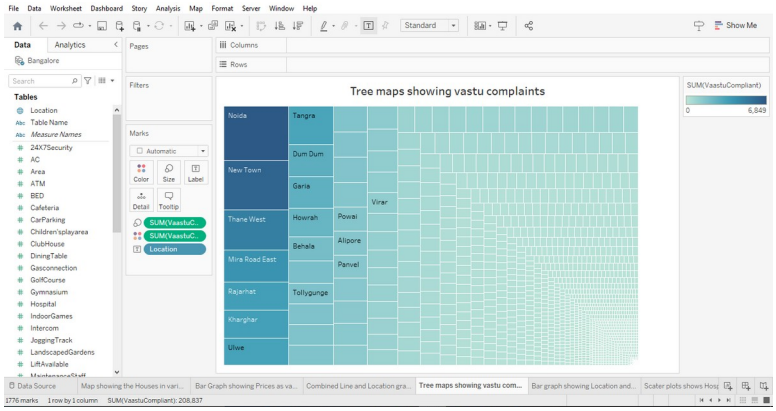
4.2 Number of houses based on area



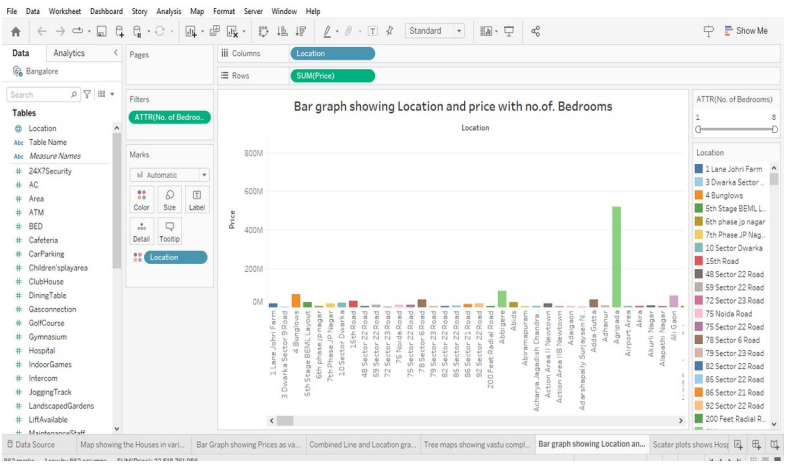
4.3 Houses price based on rainwater harvest pits



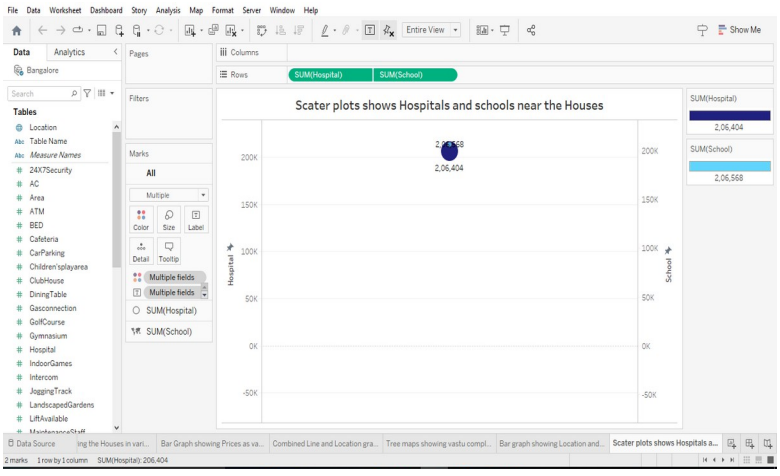
4.4 Vastu-complains based on location



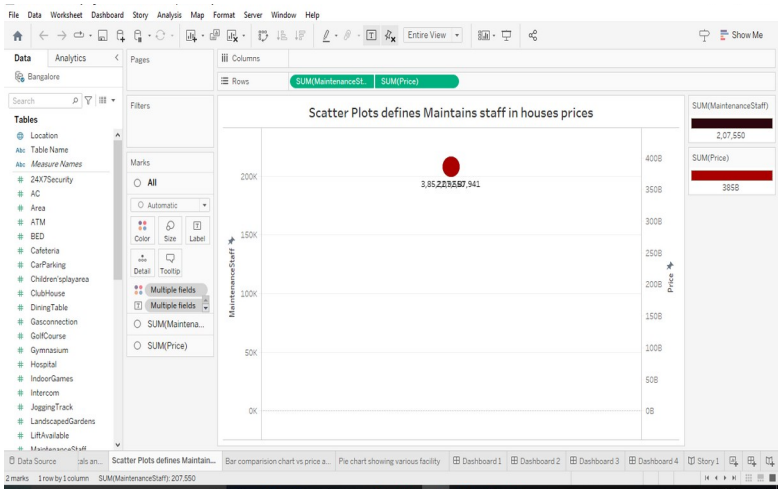
4.5 House price based on Number of Bedrooms



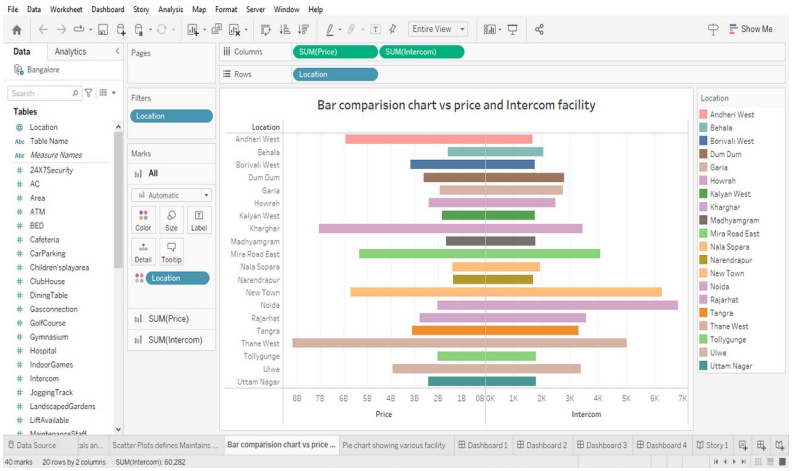
4.6 Hospitals and schools near the Houses



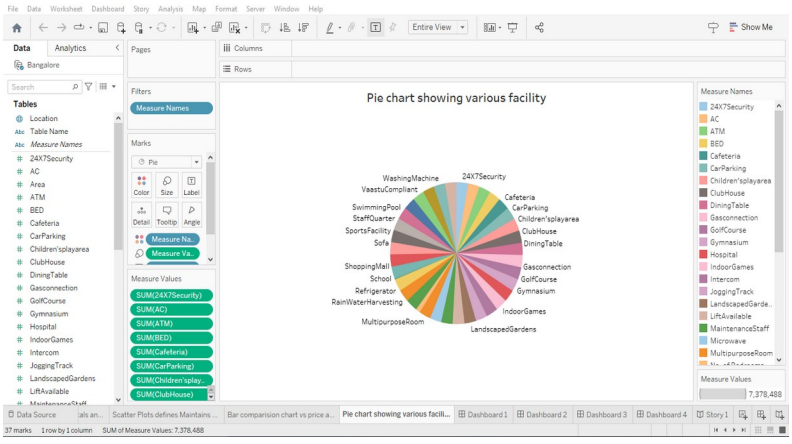
4.7 Maintains staff in houses prices



4.8 House Price and Intercom

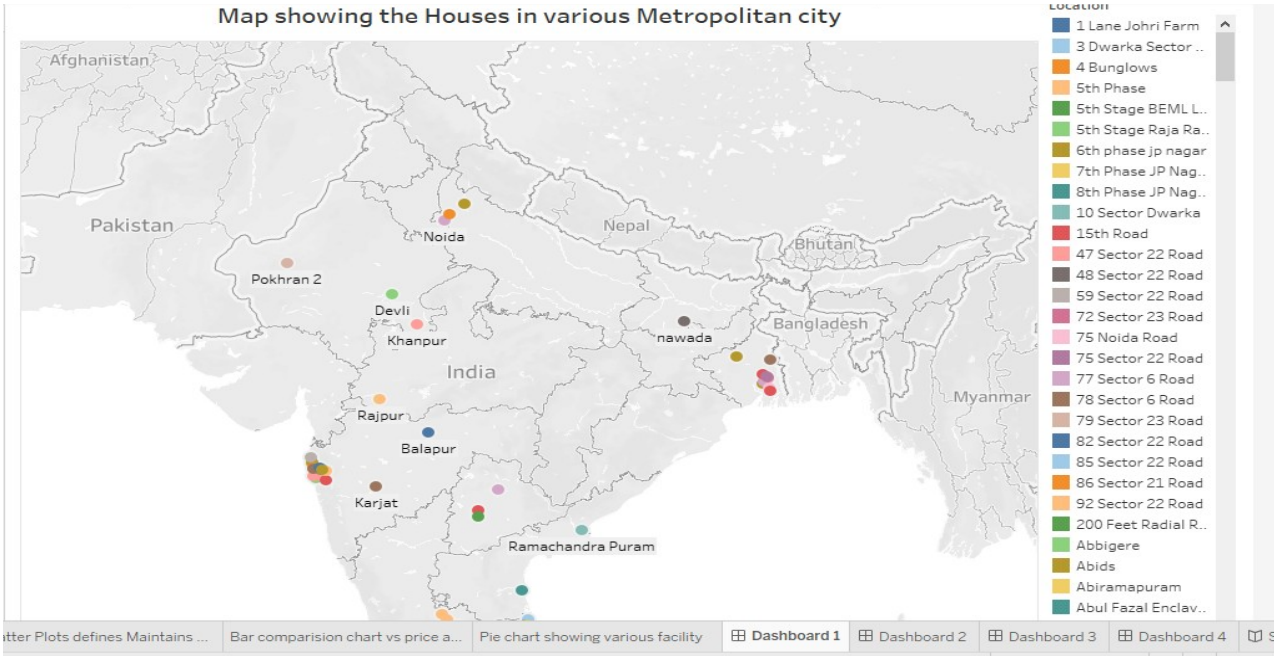


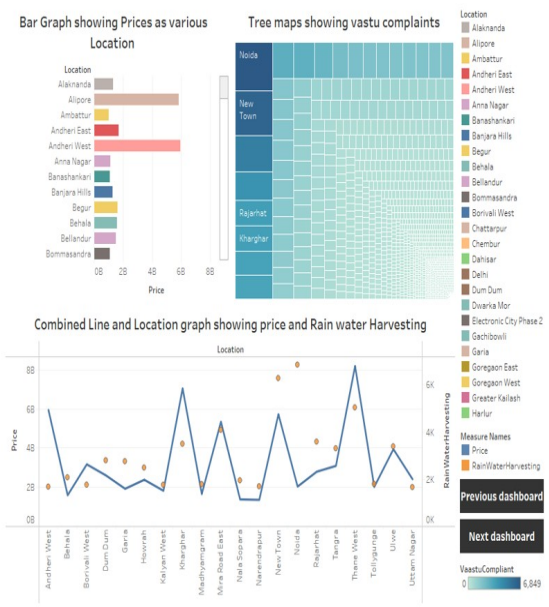
4.9 All Services based on locations

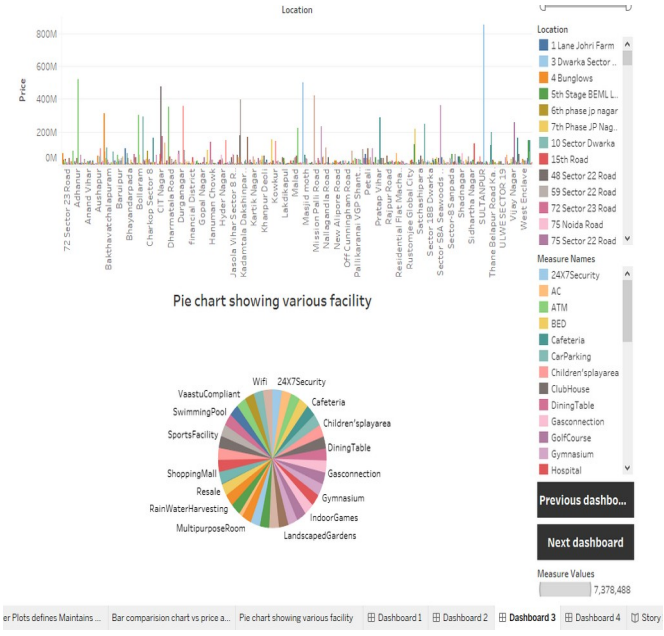


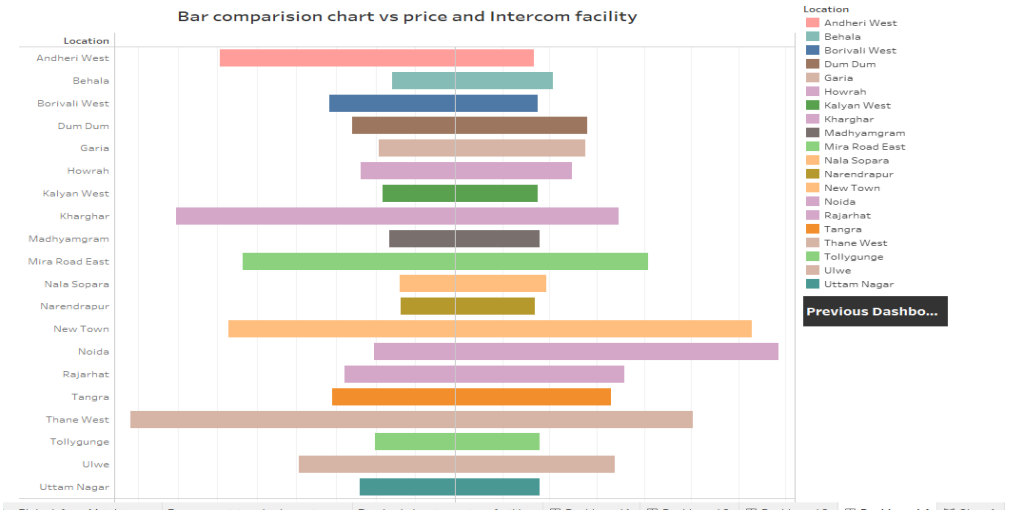
5.RESULT

5.1 Dashboard








Bar comparision chart vs price and Intercom facility
Location
Andheri West
Behala
Borivali West
Dum Dum
Garia
Howrah
Kalyan West
Kharghar
Madhyamgram
Mira Road East
Nala Sopara
Narendrapur
New Town
Noida
Rajarhat
Tangra
Thane West
Tollygunge
Ulwe
Uttam Nagar
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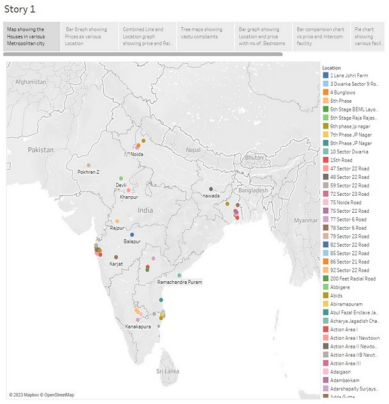
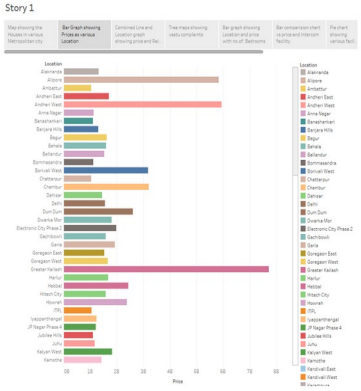
Tangra
Thane West
Tollygunge
Ulwe
Uttam Nagar
Previous Dashbo...

5.2 Story


Story 1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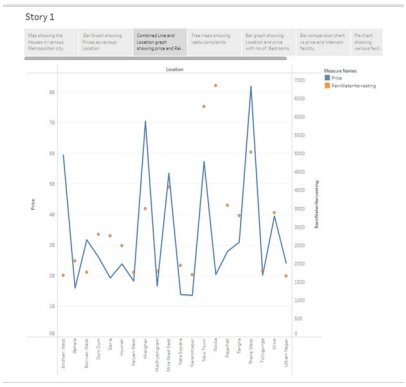
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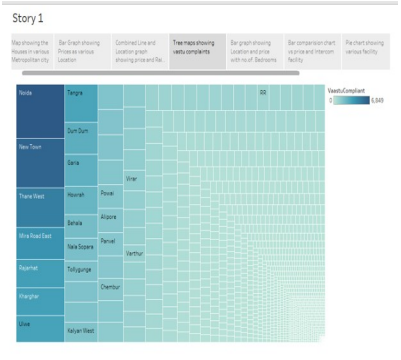
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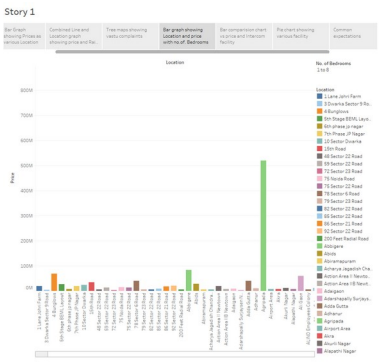
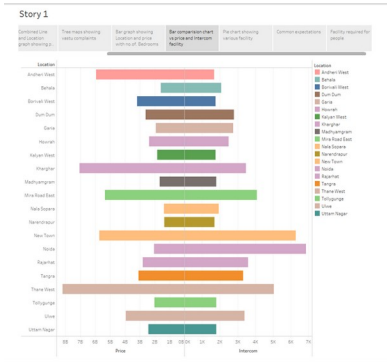
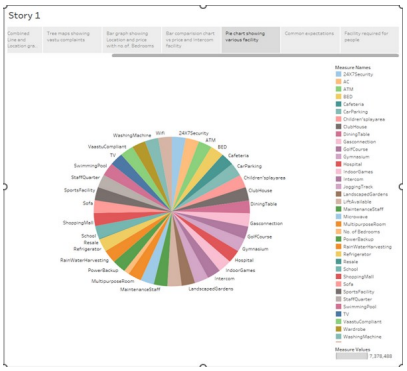
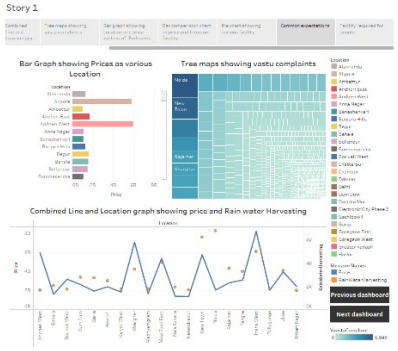
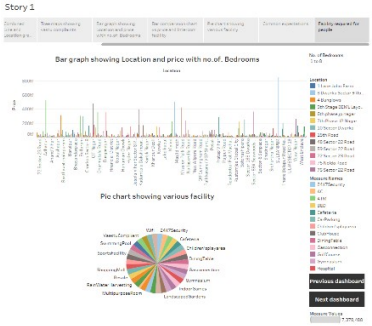

Story 1


Story 1







6.PUBLICATION LINK

6.1 Dashboard 1

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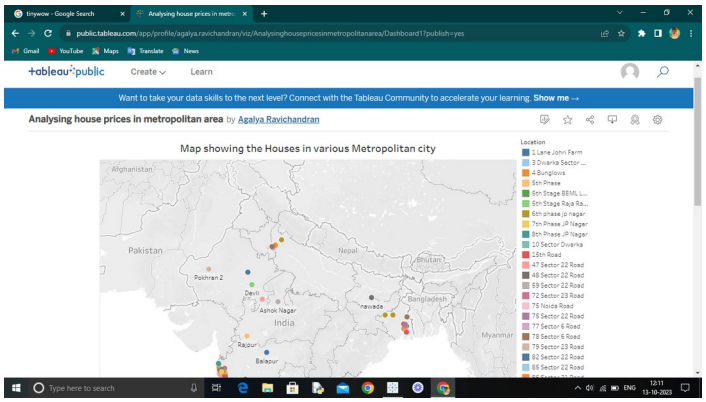

6.2 Dashboard 2

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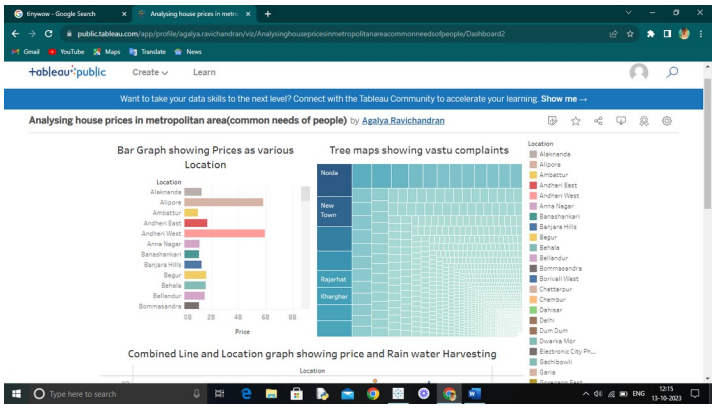

6.3 Dashboard 3

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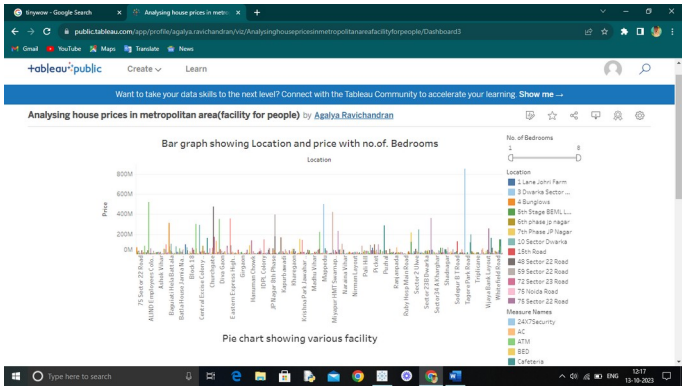

6.4 Dashboard 4

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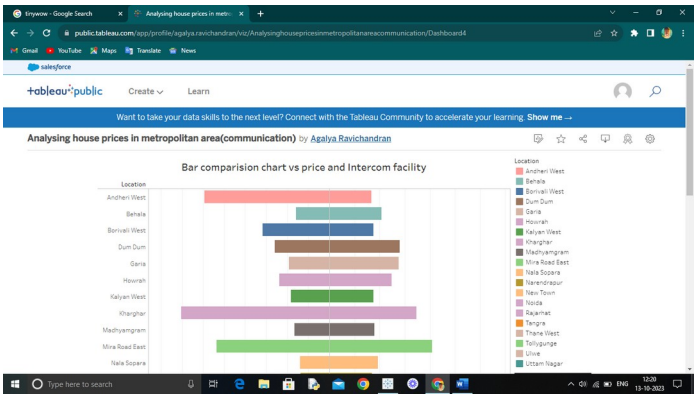

6.5 Story

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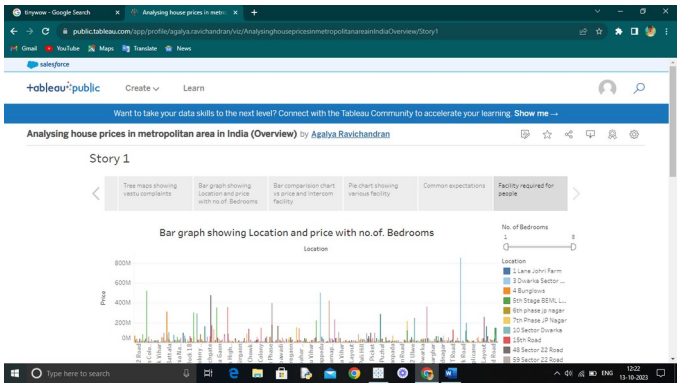

7.ADVANTAGES & DISADVANTAGES

Advantages

- Firstly, it allows professionals to identify trends and patterns that can help them make informed investment decisions.
- By studying fluctuations in house prices over time, analysts can identify areas with potential high growth rates or declining markets, enabling them to direct investments towards profitable ventures.
- Understanding these dynamics helps professionals tailor their strategies to effectively cater to specific target markets.
- Overall, a detailed analysis of house prices in Indian metropolitan areas is crucial for industry professionals to navigate the complex world of real estate and make data-driven decisions that maximize returns on investment while contributing positively to societal needs.

Disadvantages

- One of the major disadvantages is the volatility and lack of transparency in the real estate market.
- Unlike developed countries where data on property sales, value assessments, and historical trends are readily available, India lacks a robust system for collecting and disseminating accurate information.
- This makes it difficult to accurately analyze house prices as there are often discrepancies between reported prices and actual transactions.
- Therefore, an informed analysis of these multiple variables is crucial for accurately assessing house prices in India's metropolitan areas.

8.APPLICATIONS

- Analyzing house prices India is a critical task that requires expertise and meticulous attention to detail. The Indian real estate market is characterized by its complexity, diversity, and constant fluctuations.
- By employing advanced analytical techniques, such as data mining and predictive modeling, professionals can identify patterns and trends in house prices based on various factors including location, amenities, connectivity, infrastructure development, economic growth, and demographic changes.
- Therefore, thorough examination of house prices in Indian metropolitan areas not only contributes to an improved understanding of the real estate market but also plays a significant role in shaping the socio-economic landscape of the country.

9.CONCLUSION

In conclusion, analyzing house prices in the metropolitan areas of India requires a comprehensive understanding of various factors that influence the real estate market. Firstly, one must consider the location and connectivity of the property, as houses located in prime areas with good transportation facilities tend to have higher prices.

10.FUTURE SCOPE

The future scope for analyzing housing prices in metropolitan areas in India appears promising and ripe with potential. As the demand for affordable housing continues to surge, coupled with rapid urbanization and population growth, there lies an opportunity for professionals to delve deeper into this market. Technological advancements such as data analytics, machine learning, and artificial intelligence can play a pivotal role in understanding the complexities of these housing markets.