

1 INTRODUCTION

1.1 Overview

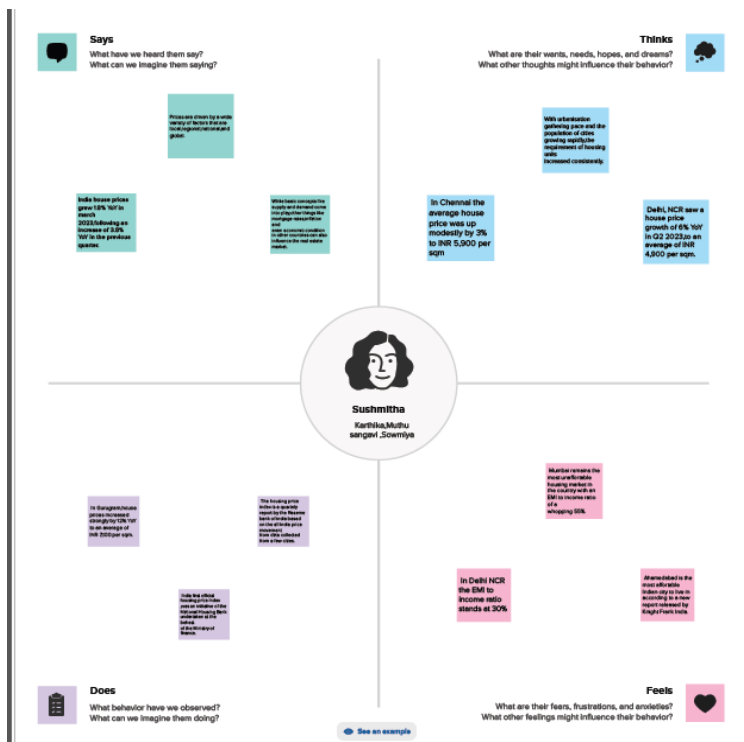
House price prediction in a metropolitan city in India is a valuable solution for potential home buyers, real estate agents, and investors. By leveraging historical sales data, property details, and location-specific information, a predictive model can accurately estimate house prices. The model's scalability, real-time updates, user-friendly interface, and transparency ensure it meets the needs of stakeholders. Integration capability, data privacy, and cost-effectiveness are also important considerations. By addressing these requirements, the prediction model provides reliable insights, empowering stakeholders to make informed decisions in the fast-paced real estate market.

1.2 Purpose

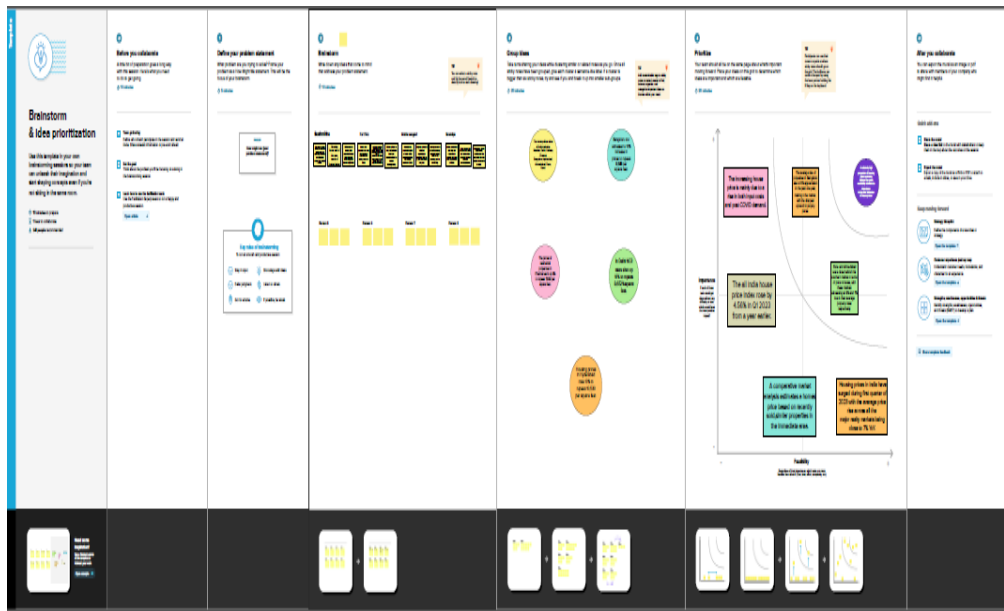
The business problem at hand is the prediction of house prices in a metropolitan city in India. The real estate market in such cities is complex and dynamic, making it challenging for potential home buyers, real estate agents, and investors to accurately estimate property values. By developing a predictive model using relevant datasets and features, stakeholders can gain insights into the factors influencing house prices and make informed decisions regarding property investments. The goal is to provide a reliable and accurate prediction tool that assists users in navigating the competitive real estate market and maximizing their returns.

2.PROBLEM DEFINITION & DESIGN THINKING

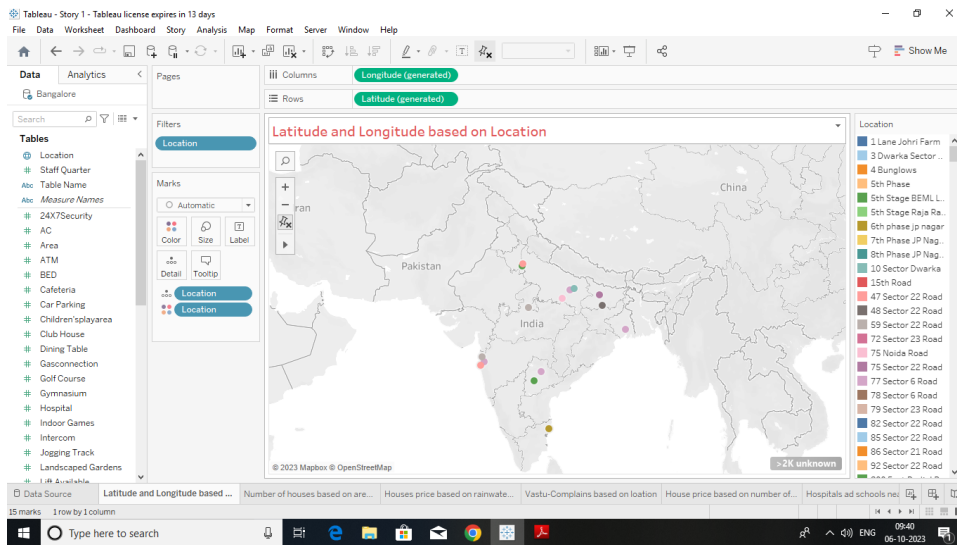
2.1 Empathy Map

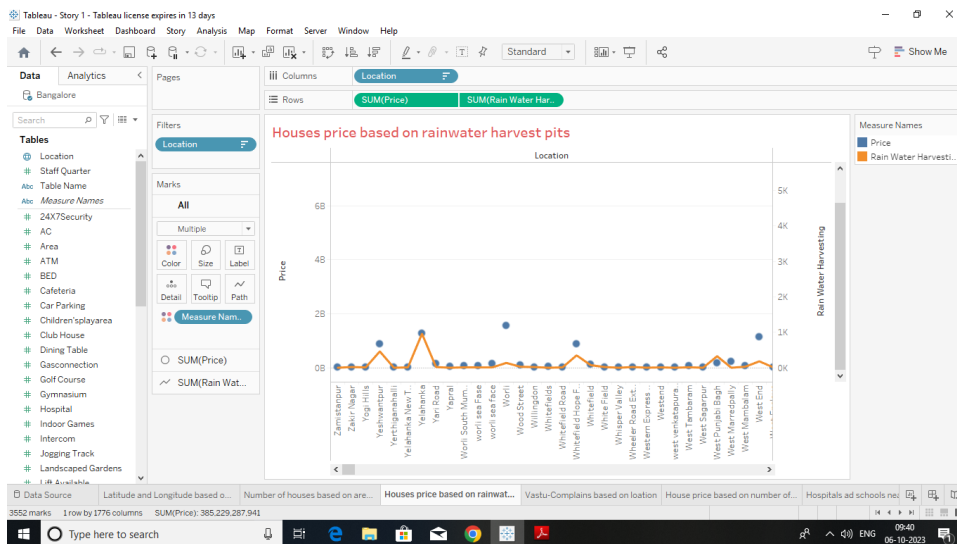
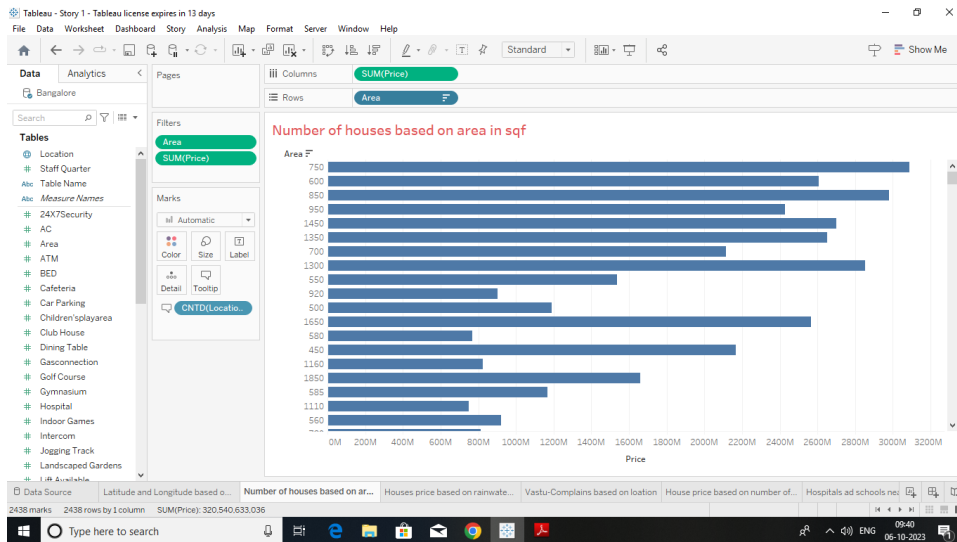


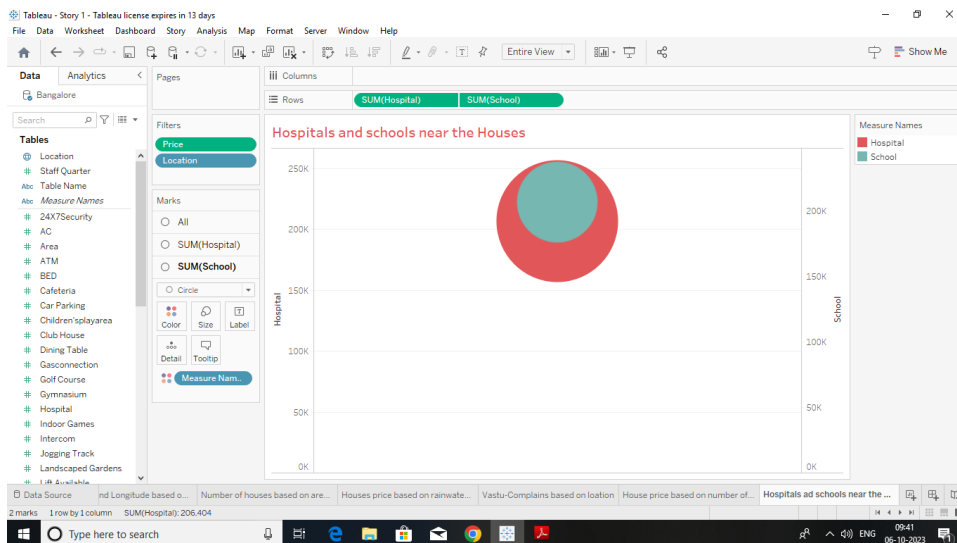
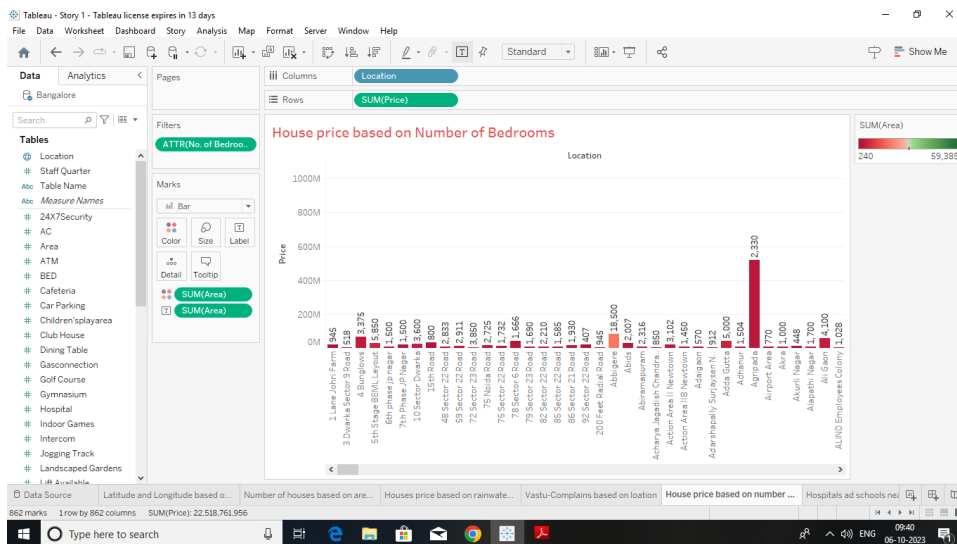
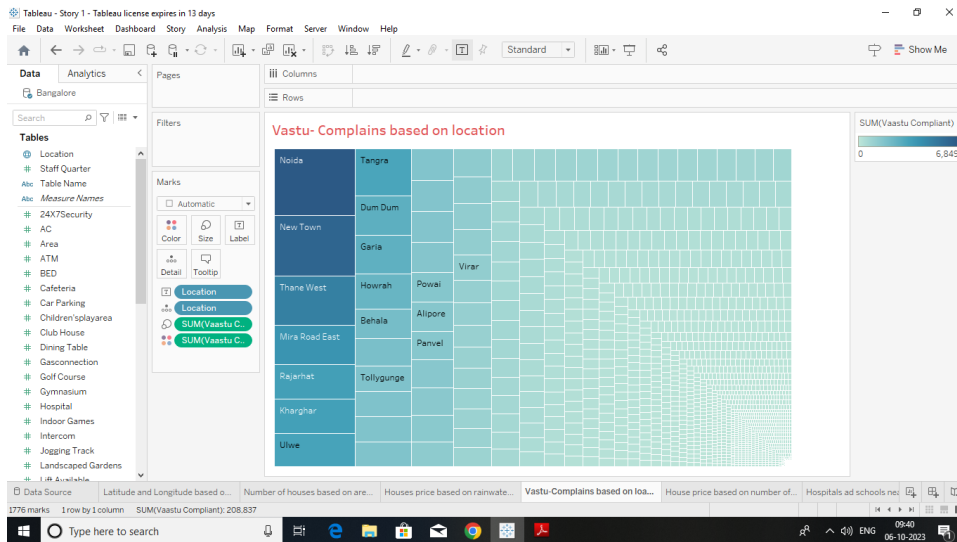
2.2 Ideation & Brainstorming map

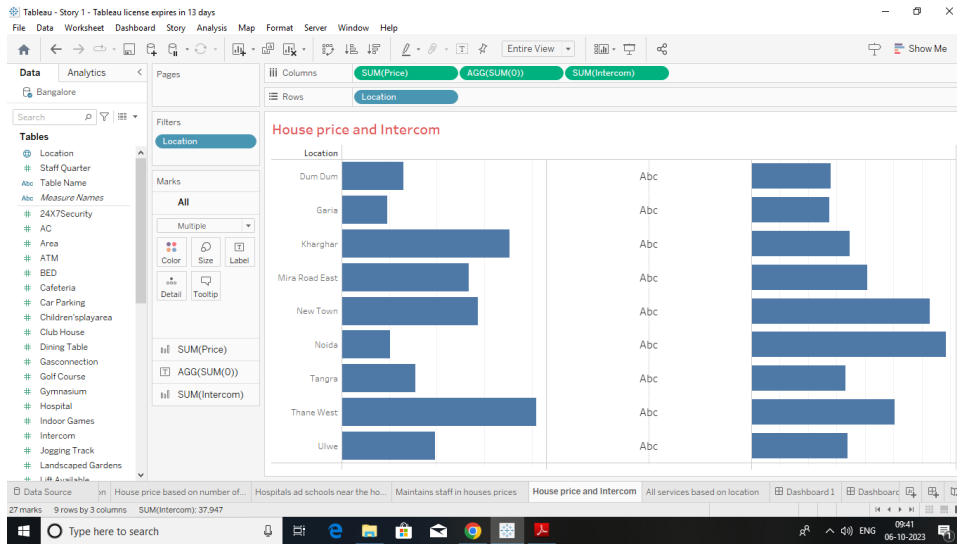
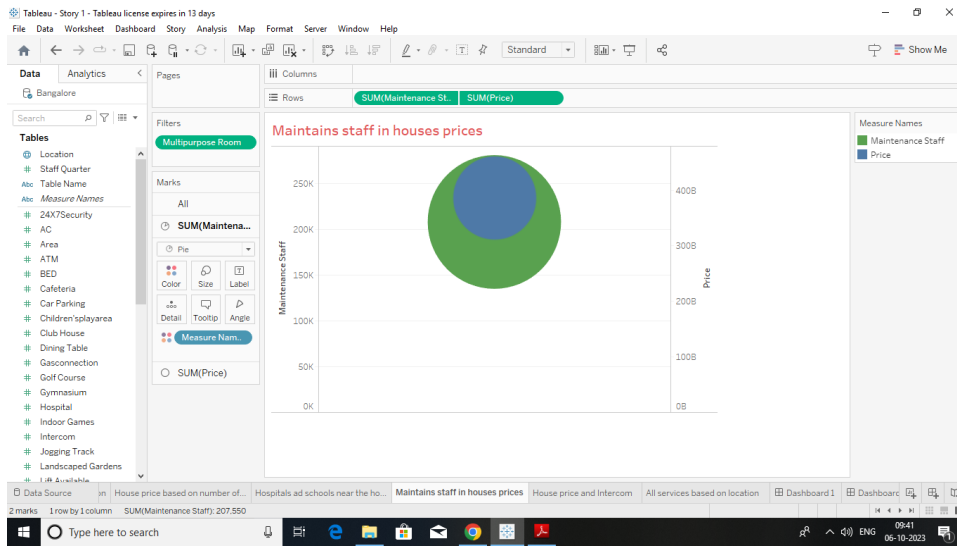


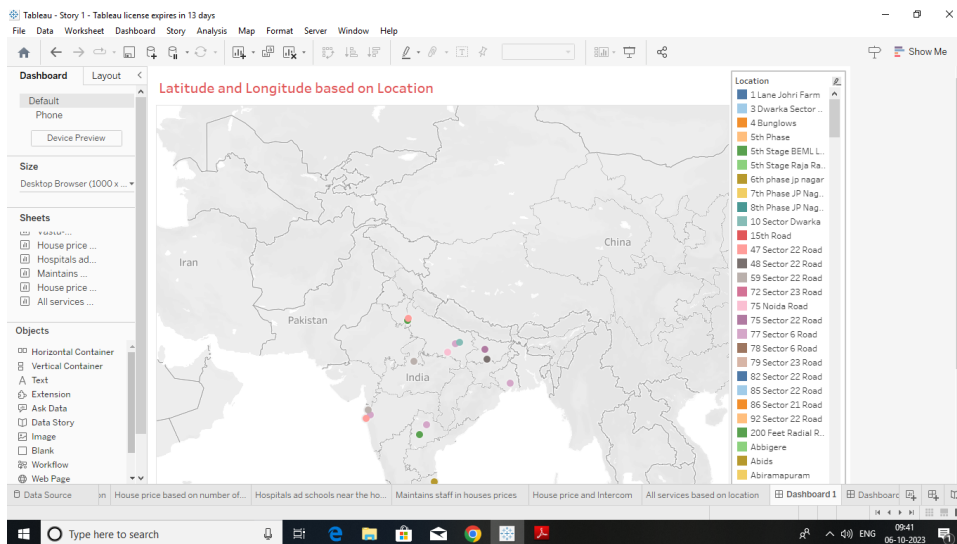
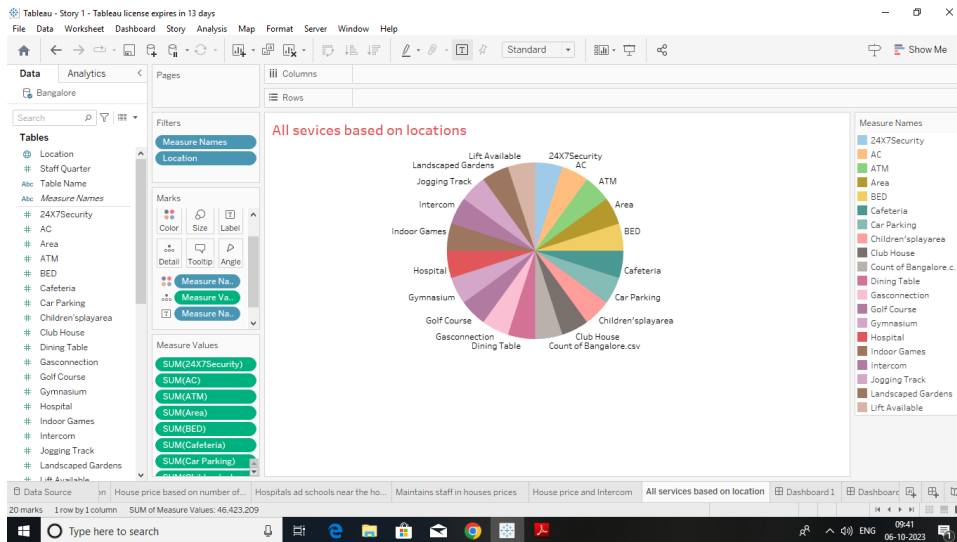
3 RESULT

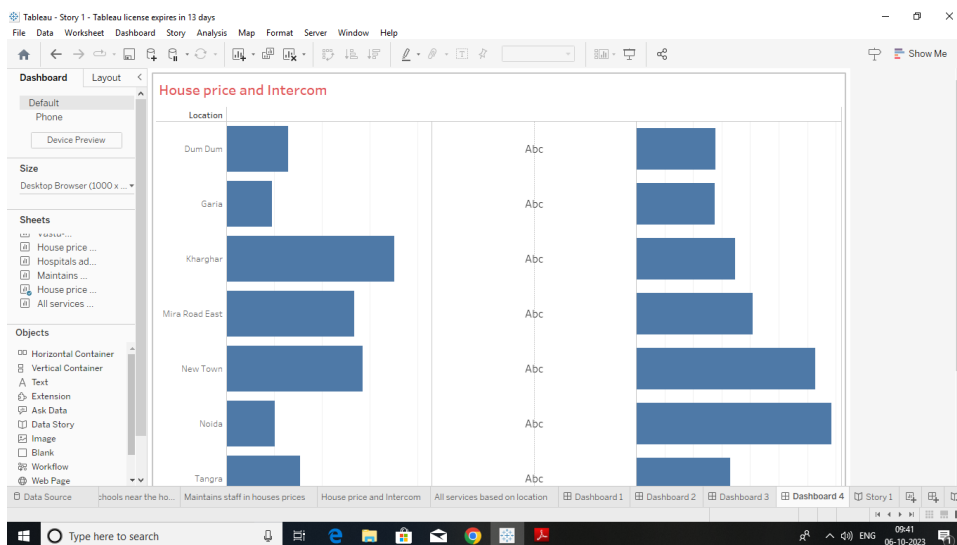
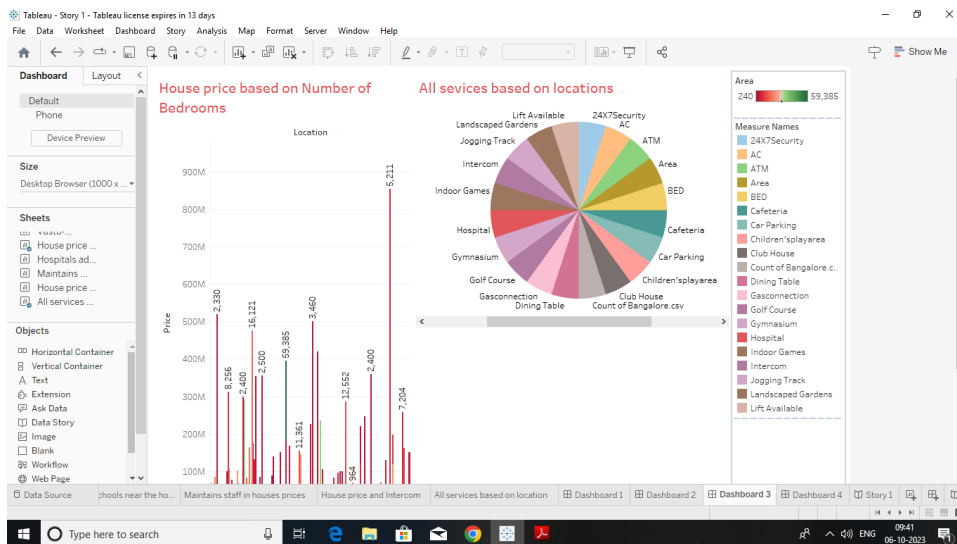
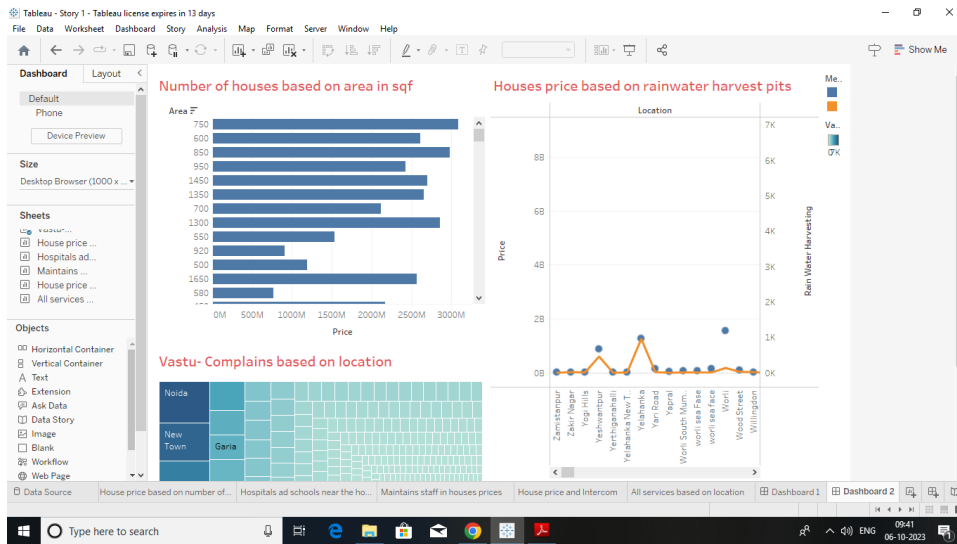


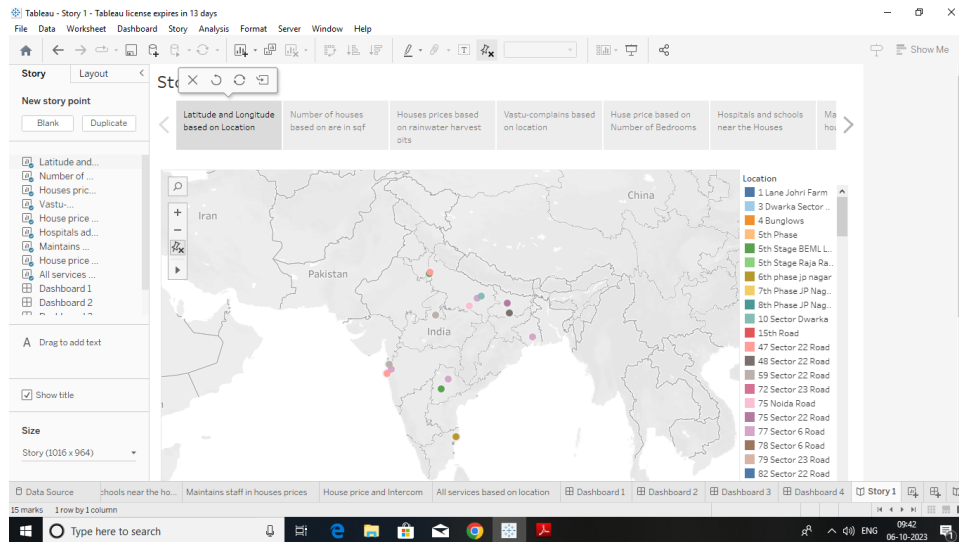












4 ADVANTAGES AND DISADVANTAGES

Advantages:

House price prediction can help the developer determine the selling price of a house and can help the customer to arrange the right time to purchase a house. There are three factors that influence the price of a house which include physical condition, concept and location.

Disadvantages:

It doesn't predict future prices of the houses mentioned by the customer. Due to this the risk in investment in an apartment or an area increase considerably.

5 APPLICATION

The business requirements for house price prediction in a metropolitan city in India include developing an accurate prediction model that can estimate property prices. The model should identify the key features impacting house prices and provide insights to aid decision-making. It should be scalable to handle a large volume of data and incorporate real-time updates to reflect the latest market conditions.

6 CONCLUSION

The solution should have a user-friendly interface, ensure transparency and explain the ability of predictions, prioritize data privacy and security, and define performance metrics for evaluation. Integration capability and cost-effectiveness are also important considerations to deliver a valuable and efficient solution.

7 FUTURE SCOPE

Various reports suggest that the property market in India will exhibit a compound annual growth rate of 9.2% during the period between 2023 and 2028.