

# Analysing Housing Prices in Metropolitan Areas of India

## 1 INTRODUCTION

### 1.1 Overview

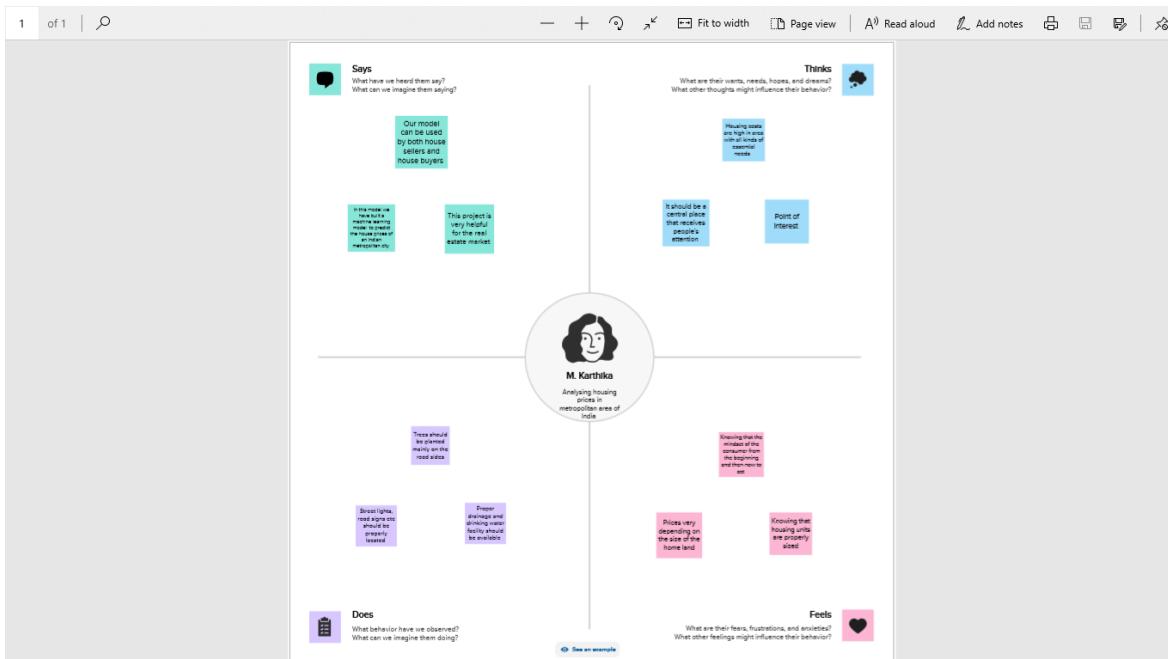
House price prediction in a metropolitan city in India is a valuable solution for potential home buyers, real estate agents, and investors. By leveraging historical sales data, property details, and location-specific information, a predictive model can accurately estimate house prices. The model's scalability, 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

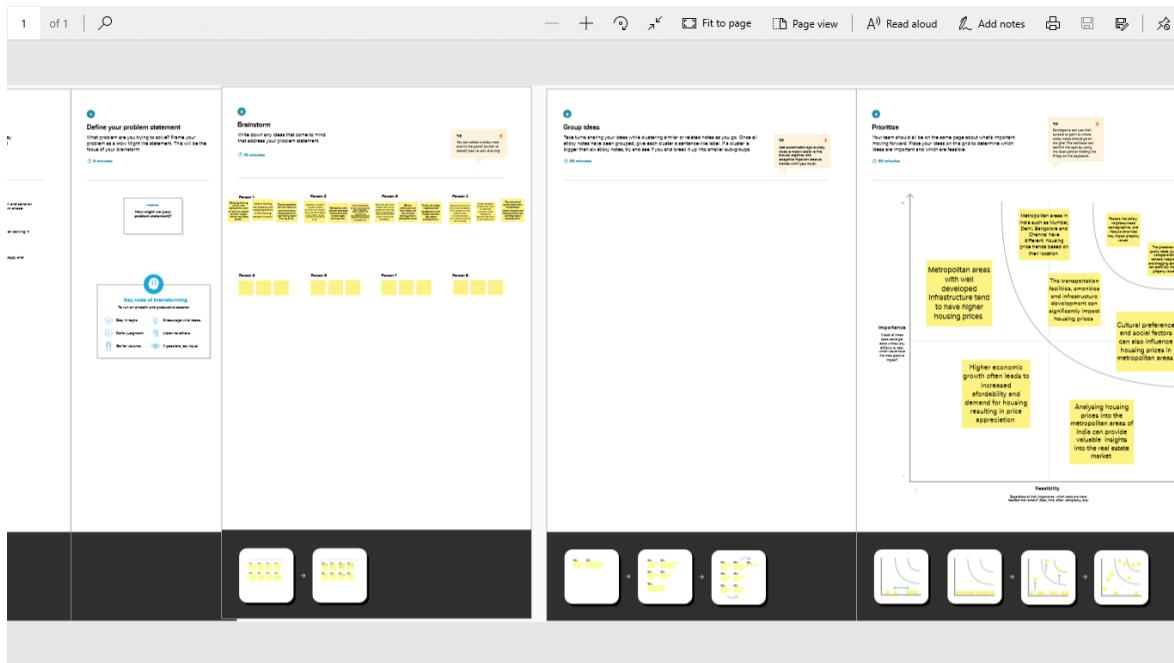
The purpose of this project is to predict the House price in Metropolitan cities of India. By analyzing the property details, location data, a predictive model can be accurately given

## 2. ProblemDefinition& DesignThinking

### Empathy Map

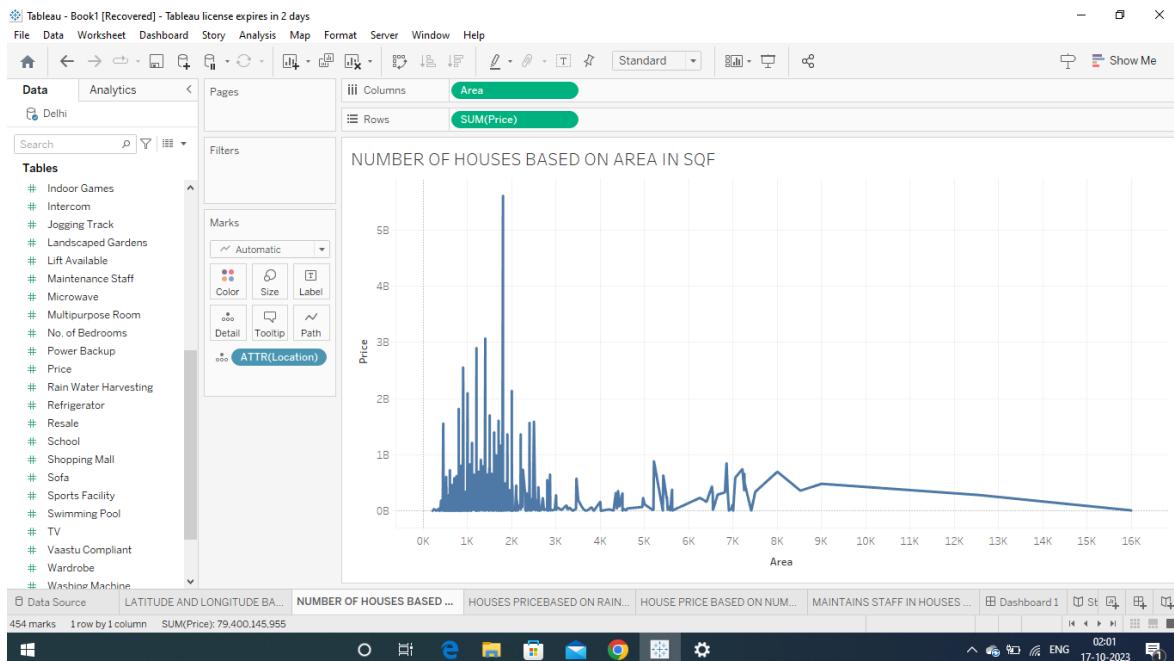


### 1.3 Ideation & Brainstorming Map

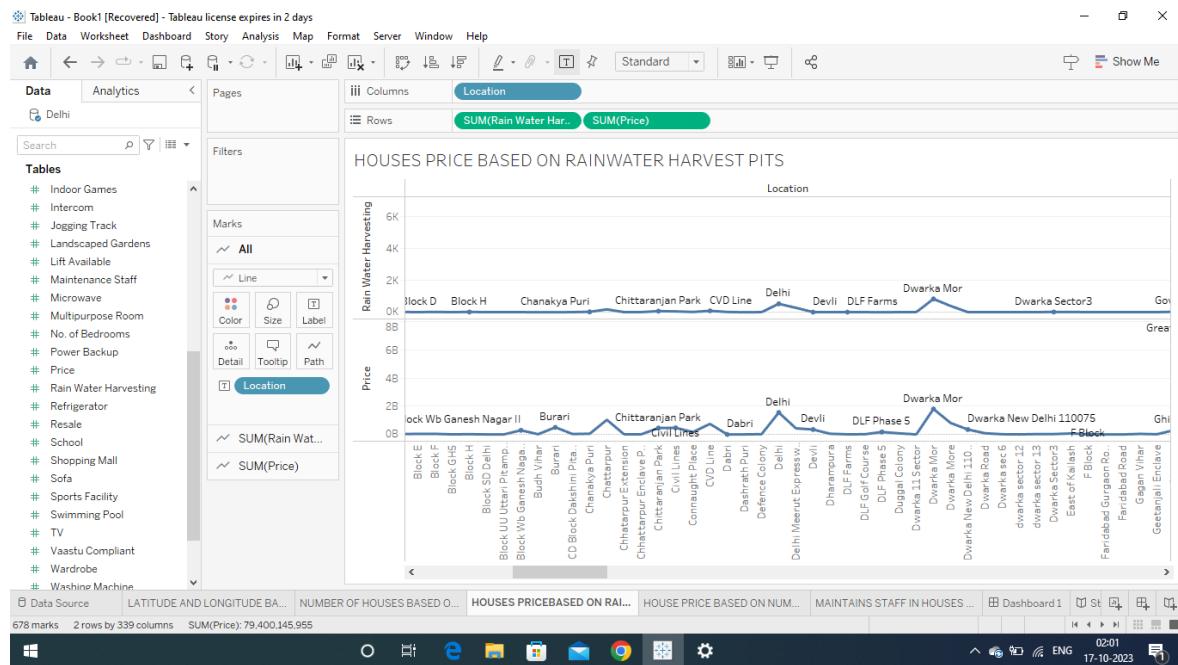


## 2 RESULT

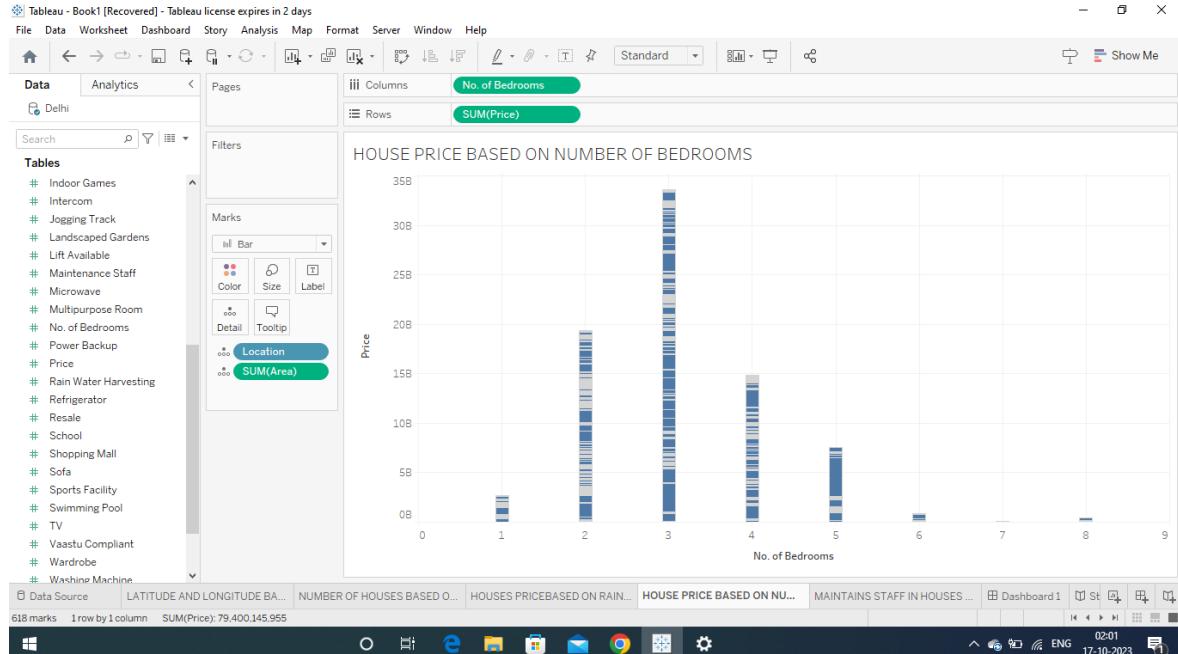
### LATITUDE AND LONGITUDE BASED ON LOCATION



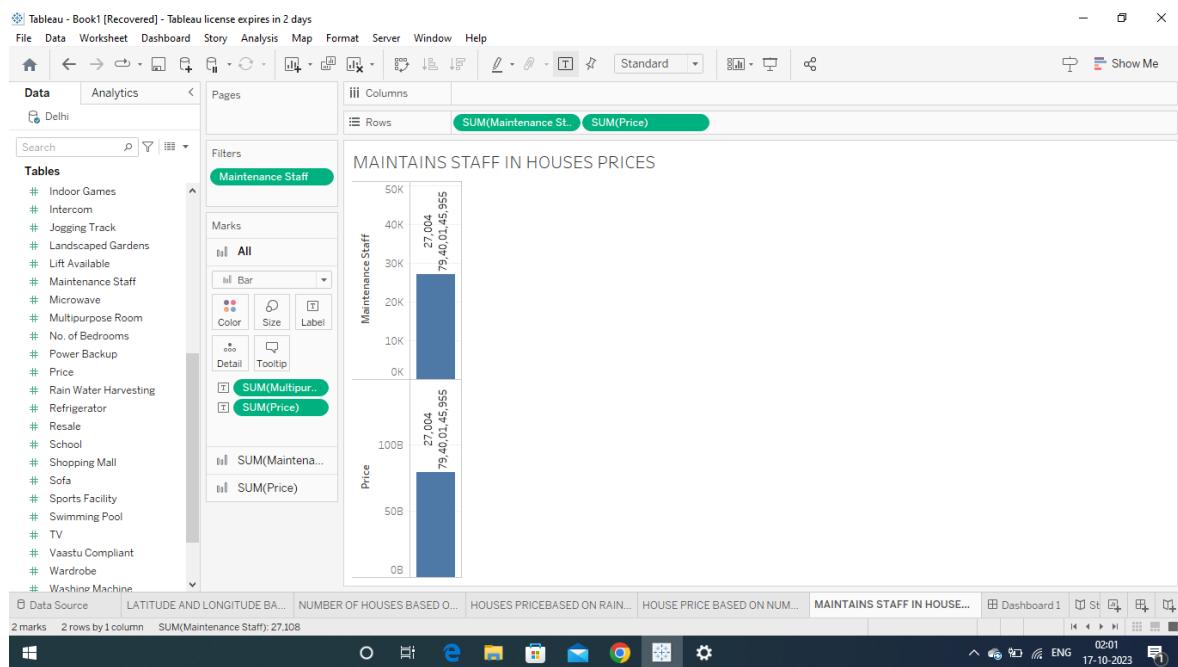
## HOUSES PRICE BASED ON RAIN WATER HARVEST PITS



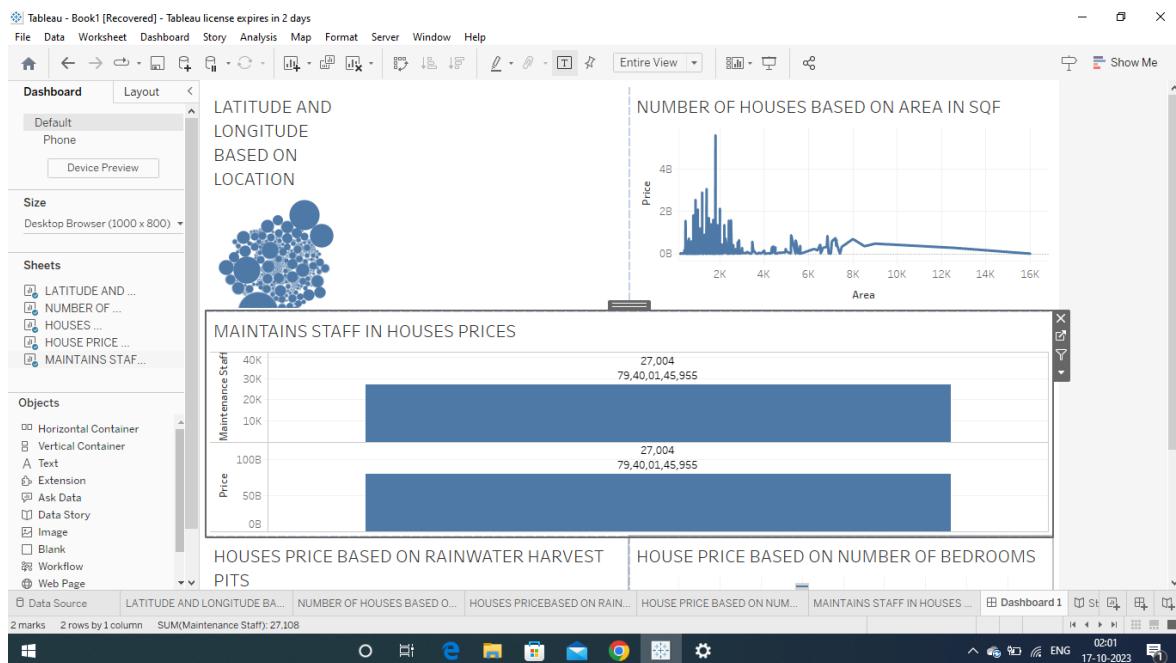
## HOUSE PRICE BASED ON NUMBER OF BEDROOMS



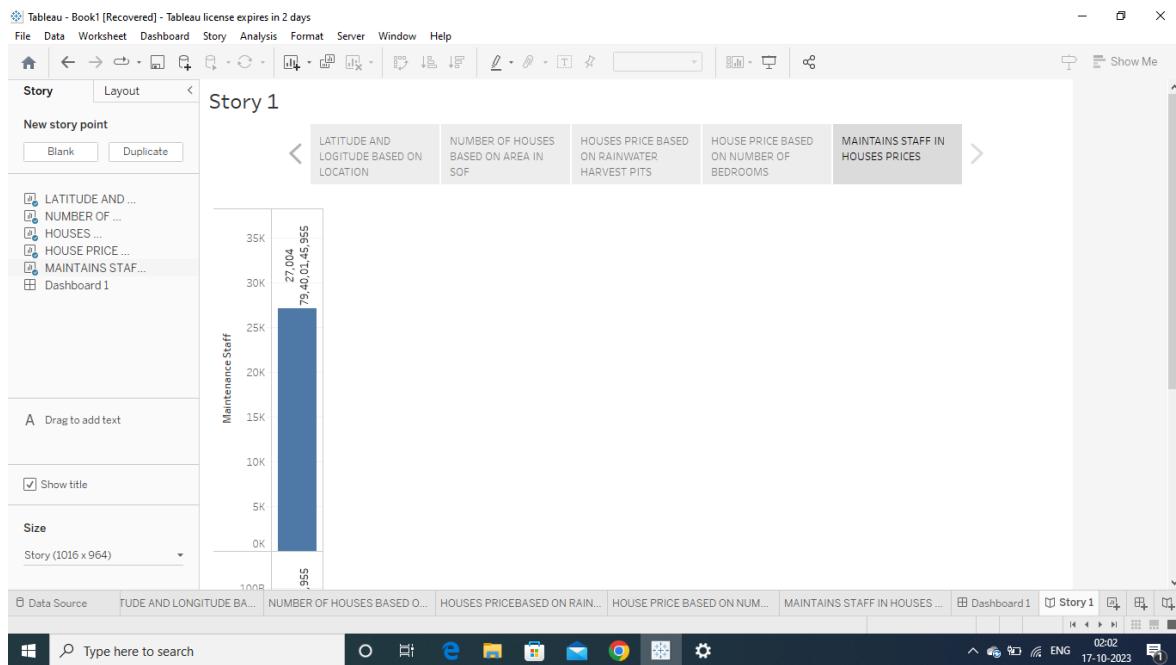
## **MAINTAIN STAFF IN HOUSES PRICES**



## DASHBOARD



## STORY



## 4. ADVANTAGES

A real estate market analysis should always be done, whether buying or selling a property, as it will help to understand the current market, how much similar properties are worth, if it is an investment property, how much you can charge for rent, etc.

## 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 increases considerably. To minimize this error, customers tend to hire an agent which again increases the cost of the process.

## 5. APPLICATIONS

The methodology has recently been used extensively in real estate and housing market research: some of the most applied areas include correction for quality changes in constructing a housing price index, assessment of the value of a property in the absence of specific market transaction data, analysis of demand for housing prices

## 6. CONCLUSION

Prediction house prices are expected to help people who plan to buy a house so they can know the price range in the future, then they can plan their finance well. In addition, house price predictions are also beneficial for property investors to know the trend of housing prices in a certain location.

## 7. FUTURE SCOPE

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 conditions, concept and location.