

# ***Analysing Housing Prices in Metropolitan Areas of INDIA***

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# 1.INTRODUCTION

## 1.1 Overview

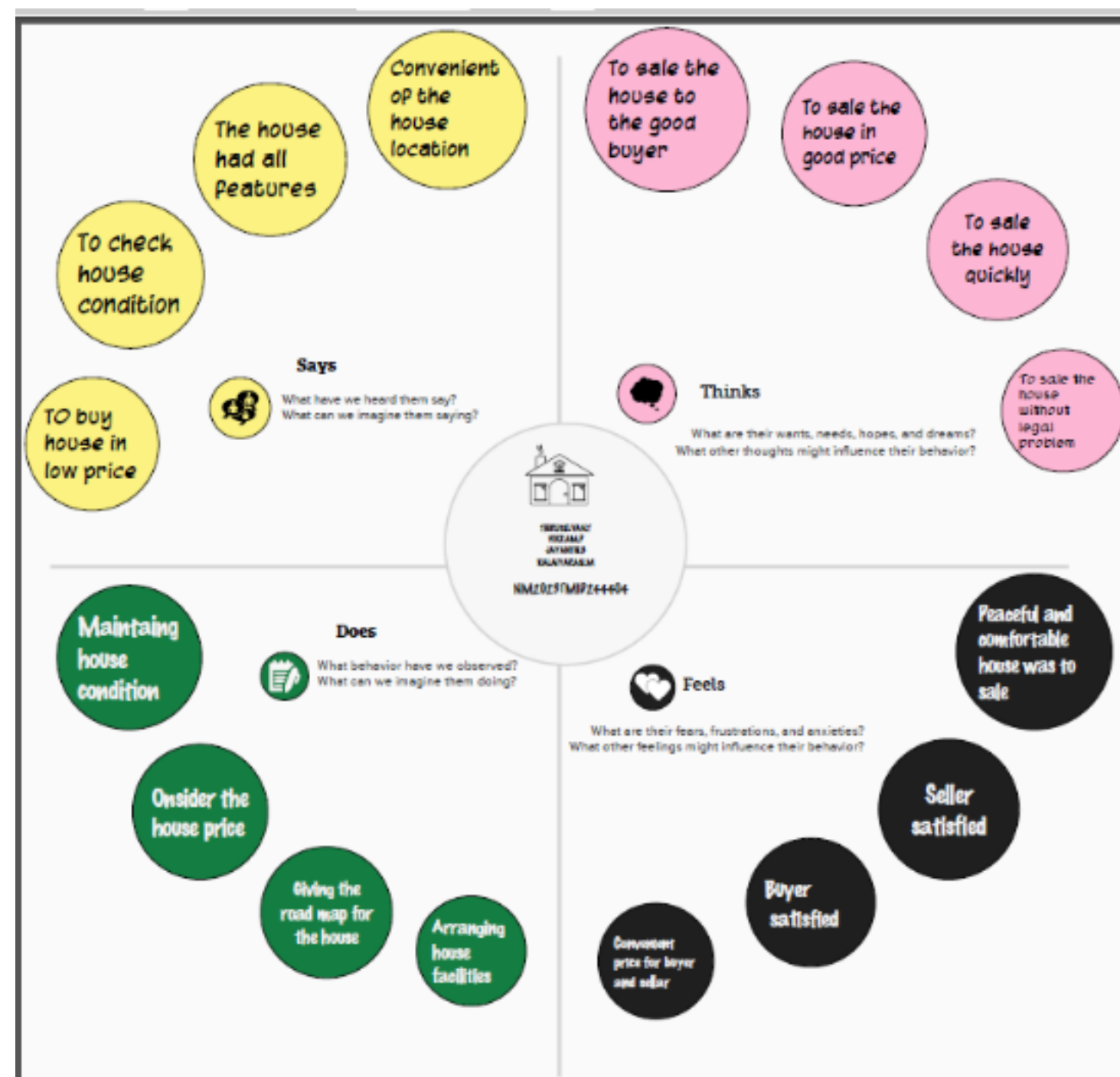
House price prediction in a metropolitan city in India is a valuable solution for potential home buyers, real estate agents, and investors. By leveraging historical sales data, property details, and location-specific information, a predictive model can accurately estimate house prices. The model's scalability,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

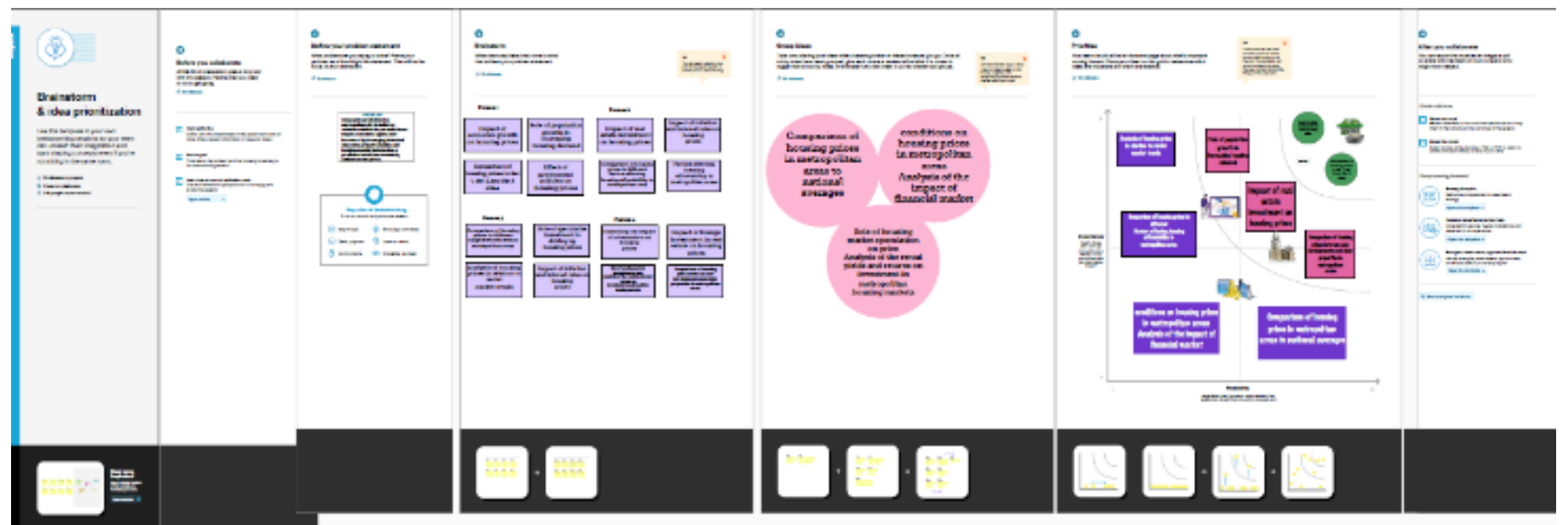
Data collection is the process of gathering and measuring information on variables of interest, in an established systematic fashion that enables one to answer stated research questions, test hypotheses, evaluate outcomes and generate insights from the data.

## 2. Problem Definition & Design Thinking

### 2.1 Empathy Map



### 2.2 Ideation & Brainstorming Map



## RESULT

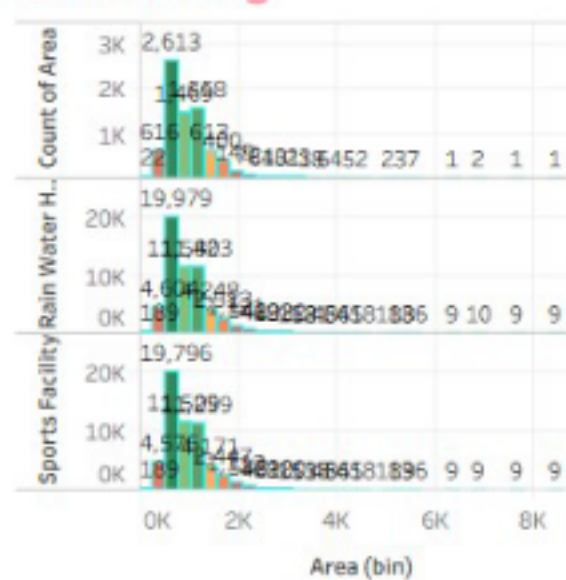
Here, our project empty map and brainstorms map screenshots are added to visualize to understand easily.

## 3.Result

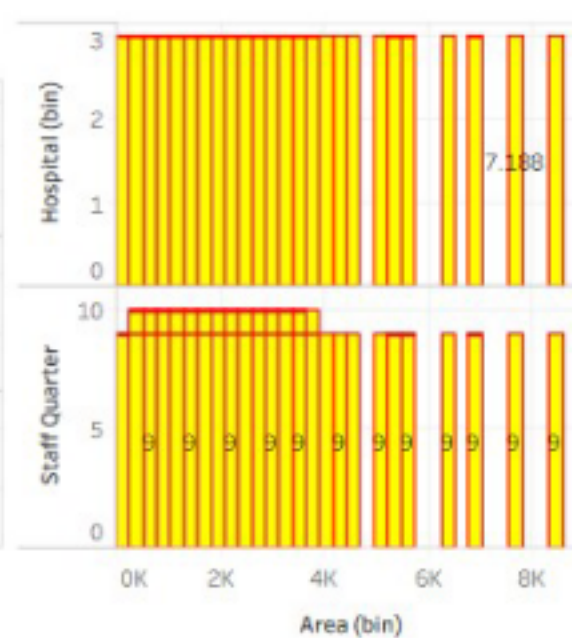
### Story 1

1. We can show a graph for Rainwater harvesting
2. Hear Location vs the area facility ..

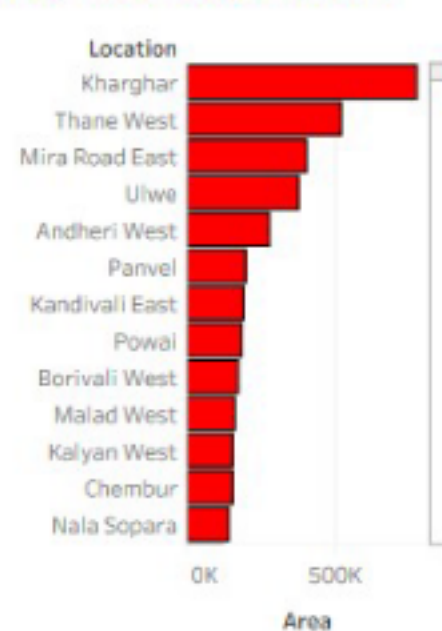
#### Area vs Rainwater harvesting



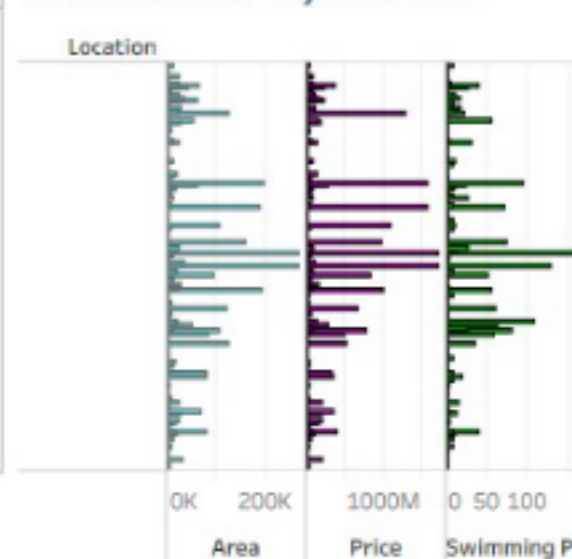
#### Bin vs CNT



#### PRICES VS LOCATION



#### LOCATION vs SWIMMING/AREA



## 4.ADVANTAGES And DISADVANTAGES

### Advantages

#### ☒ **High investment potential:**

Metropolitan areas are the economic and cultural centers of India, and they attract a large number of people from all over the country. This high demand for housing drives up property prices, making metropolitan areas a good investment for those looking to generate long-term returns.

#### ☒ **Better infrastructure and amenities:**

Metropolitan areas have better infrastructure and amenities than other parts of the country. This includes things like better roads, public transportation, schools, hospitals, and shopping malls. This makes metropolitan areas more desirable places to live, which further drives up property prices.

#### ☒ **More job opportunities:**

Metropolitan areas are home to a large number of businesses and industries, which means that there are more job opportunities available. This attracts people from all over the country, which further increases the demand for housing.

#### ☒ **Higher salaries:**

Salaries are generally higher in metropolitan areas than in other parts of the country. This makes it easier for people to afford to buy homes in metropolitan areas.

## DISADVANTAGES

#### ☒ **High cost of living:**

The cost of living in metropolitan areas is generally higher than in other parts of the country. This includes things like food, transportation, and housing.

#### ☒ **Overcrowding and pollution:**

Metropolitan areas are often overcrowded and polluted. This can make them less desirable places to live, especially for families with young children.



### ☒ **Traffic congestion:**

Traffic congestion is a major problem in metropolitan areas. This can make it difficult and time-consuming to get around.

### ☒ **Limited availability of affordable housing:**

The supply of affordable housing is often limited in metropolitan areas. This can make it difficult for people on low and middle incomes to afford to buy a home.

## **5. APPLICATIONS**

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. Property prices in India are expected to increase 7.5% on a pan-India basis this year, the fastest growth in five years, according to a Reuters poll of property analysts. Average house prices were forecast to rise 6% next year and in 2024. The poll of 13 property analysts were held during May11-27.

## **6. CONCLUSION**

Our Team member's can do all the step when the projects requires.

And add few step's screenshot to understand easily.

## **7. FUTURE SCOPE**

It's use full for investment in houses and land's for future investment, rends and incomes.

## **8.APPENDIX**

### **A.SOURCE CODE**

#### **STORY LINK**

[https://public.tableau.com/apP/profile/thiruselvan.t/viz/Story\\_16975226332050/Story1](https://public.tableau.com/apP/profile/thiruselvan.t/viz/Story_16975226332050/Story1)

## **DASHBOARD LINK**

**[https://public.tableau.com/app/profile/thiruselvan.t/viz/dashboard\\_16975222819720/Dashboard1](https://public.tableau.com/app/profile/thiruselvan.t/viz/dashboard_16975222819720/Dashboard1)**

