



PROJECT REPORT

ANALYSING HOME PRISES IN METROPOLITAN AREAS IN INDIA

ST. JOHN'S COLLEGE PALAYAMKOTTAI

DEPARTMENT OF PHYSICS

TEAM MEMBERS

K.JOTHIKA

N.JENIFER

P.MANMATHAN

J.JOSHUA

ANALYSING HOME PRISES IN METROPOLITAN AREAS IN INDIA

INTRODUCTION :

OVERVIEW :

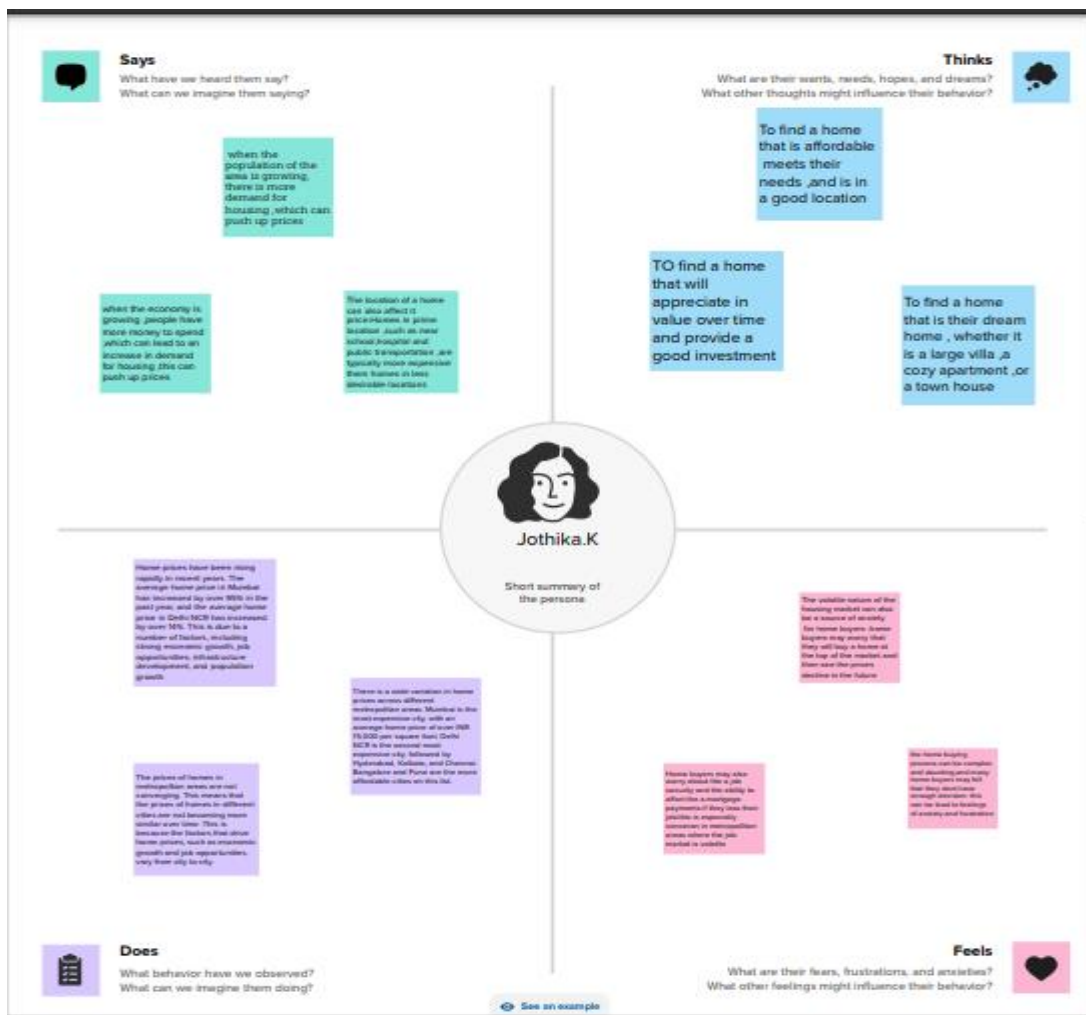
House price prediction in a metropolitan city in India is a valuable solution for potential home buyers, real estate agents, and investors. By leveraging historical sales data, property details, and location-specific information, a predictive model can accurately estimate house prices. The model's scalability,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

PURPOSE :

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.

PROBLEM Definition & Design Thinking

EMPATHY MAP



IDEATION & BRAINSTROMING MAP

Brainstorm & idea prioritization

Use this template in your own brainstorming sessions or your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

- 1. Welcome to users
- 2. Define problem
- 3. Brainstorm

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

- 1. Welcome
- 2. Welcome
- 3. Welcome

Define your problem statement

Brainstorming only works if you define your problem or challenge first. The rest will be easier if you have a clear problem statement.

- 1. Welcome
- 2. Welcome
- 3. Welcome

Brainstorm

Write down any ideas that come to mind that address your problem statement.

- 1. Welcome
- 2. Welcome
- 3. Welcome

Group ideas

Take some time to share your ideas with others and see if you can group them into categories. This will help you see the bigger picture and make it easier to see the connections between ideas.

- 1. Welcome
- 2. Welcome
- 3. Welcome

Prioritize

Now it's time to prioritize your ideas. Use the matrix below to rank your ideas based on their impact and effort. This will help you see which ideas are the most important and which are the easiest to implement.

- 1. Welcome
- 2. Welcome
- 3. Welcome

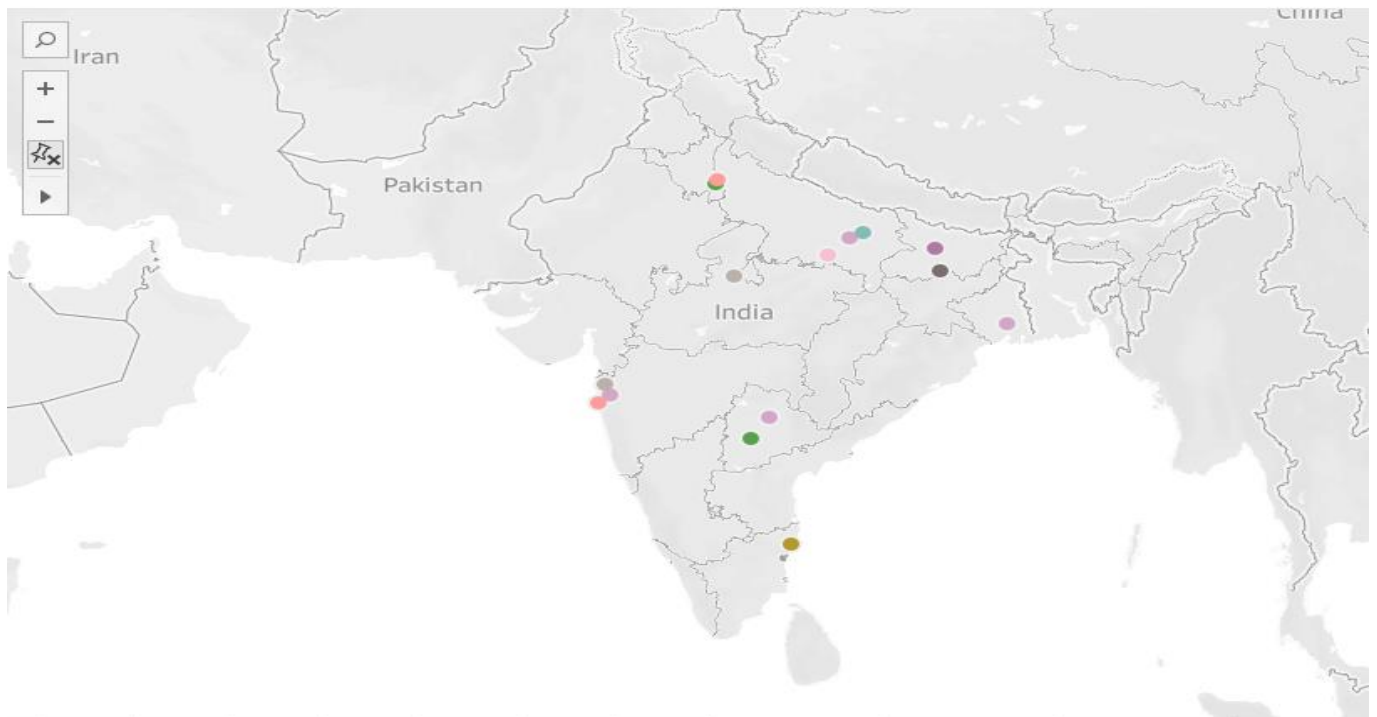
After you collaborate

Now it's time to share your ideas with others and see if you can group them into categories. This will help you see the bigger picture and make it easier to see the connections between ideas.

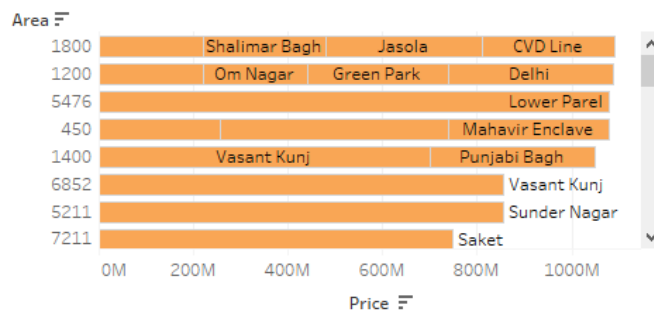
- 1. Welcome
- 2. Welcome
- 3. Welcome

RESULT:

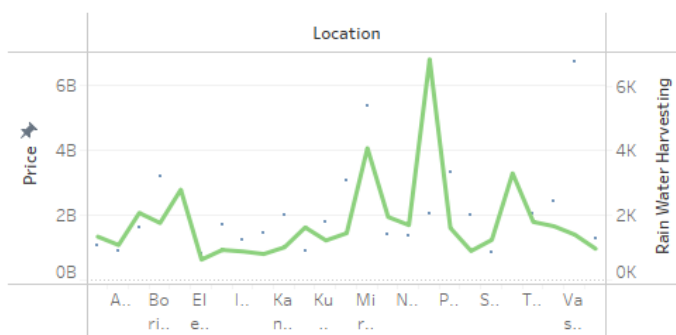
Latitude and Longitude based on location



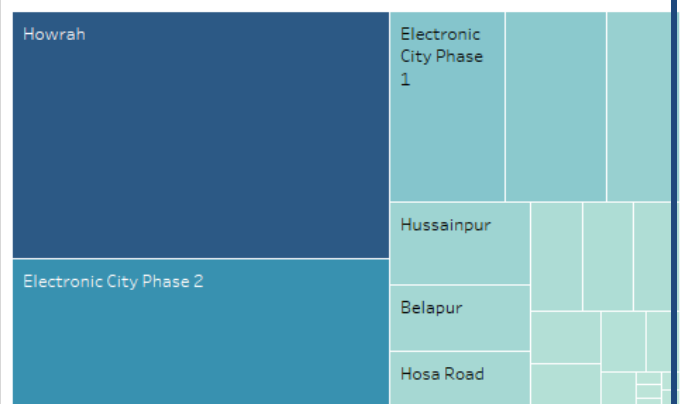
Number of houses based on area in sqf



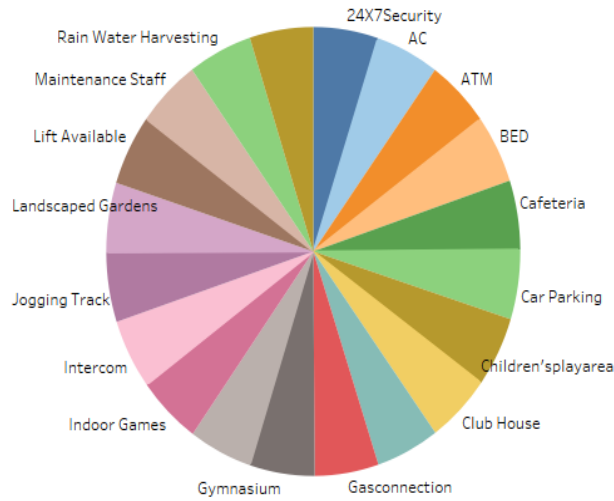
Houses price based on rainwater harvest pits



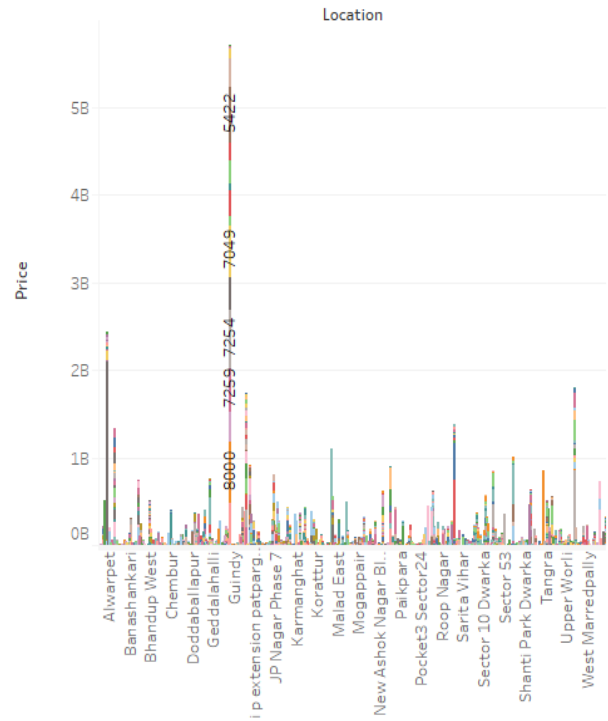
Vastu-complains based on location



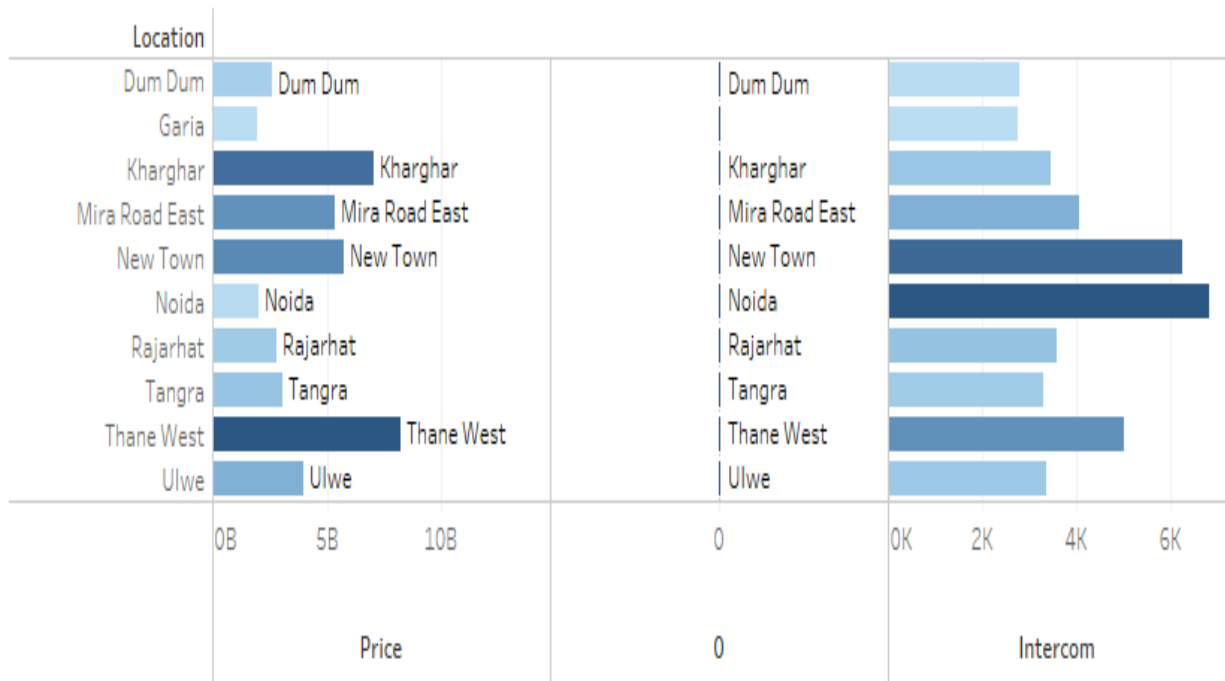
All Services based on locations



House Price Based On Number Of Bedrooms

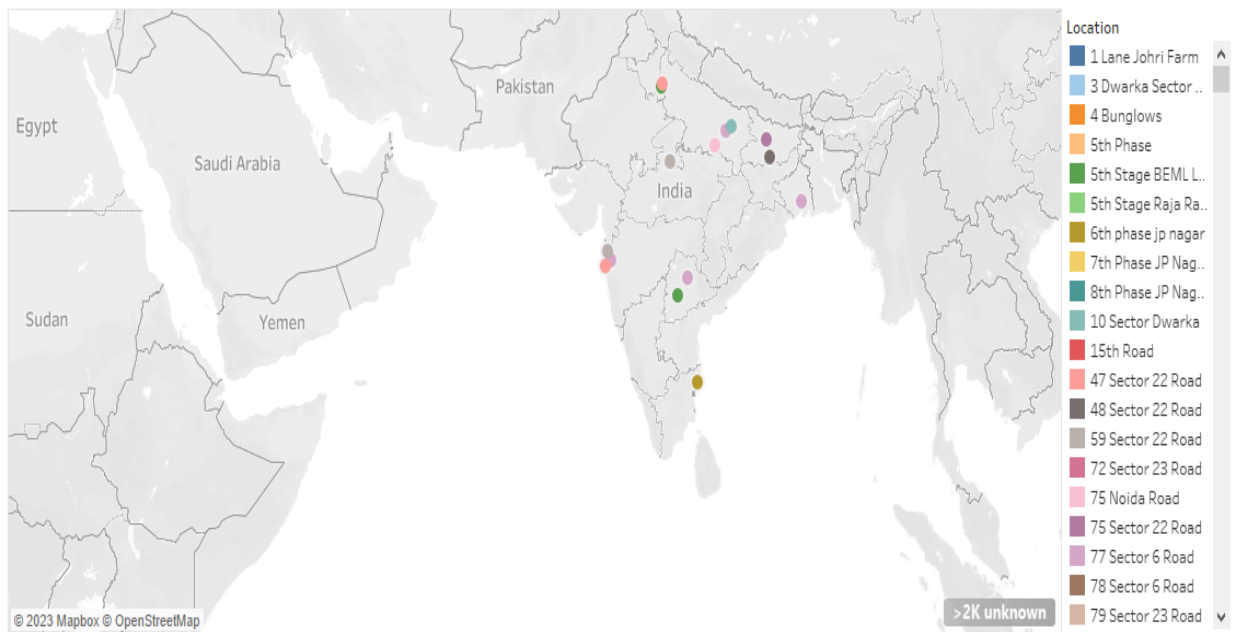


House Price and Intercom



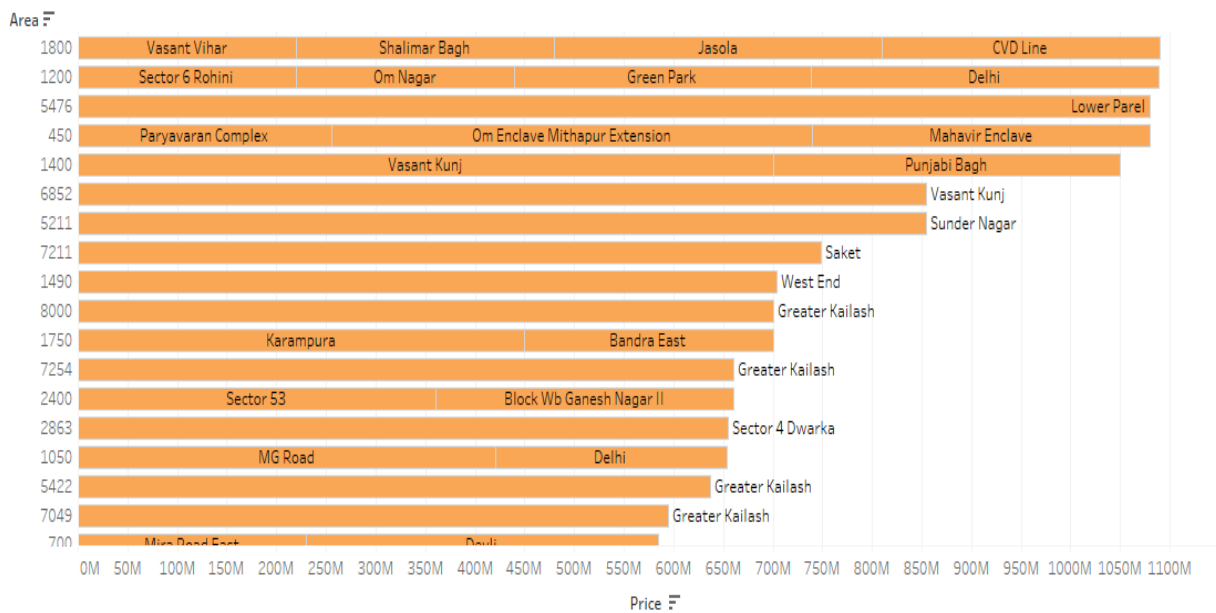
Story 1

<	Our houses in this 5 metropolitan	Our Prices based on Area in Sq	Our Prices based on the best places	Our houses in the Locations	Average price based on number	Our prices based on the best failites	Our Facilities in the best places	>
---	-----------------------------------	--------------------------------	-------------------------------------	-----------------------------	-------------------------------	---------------------------------------	-----------------------------------	---

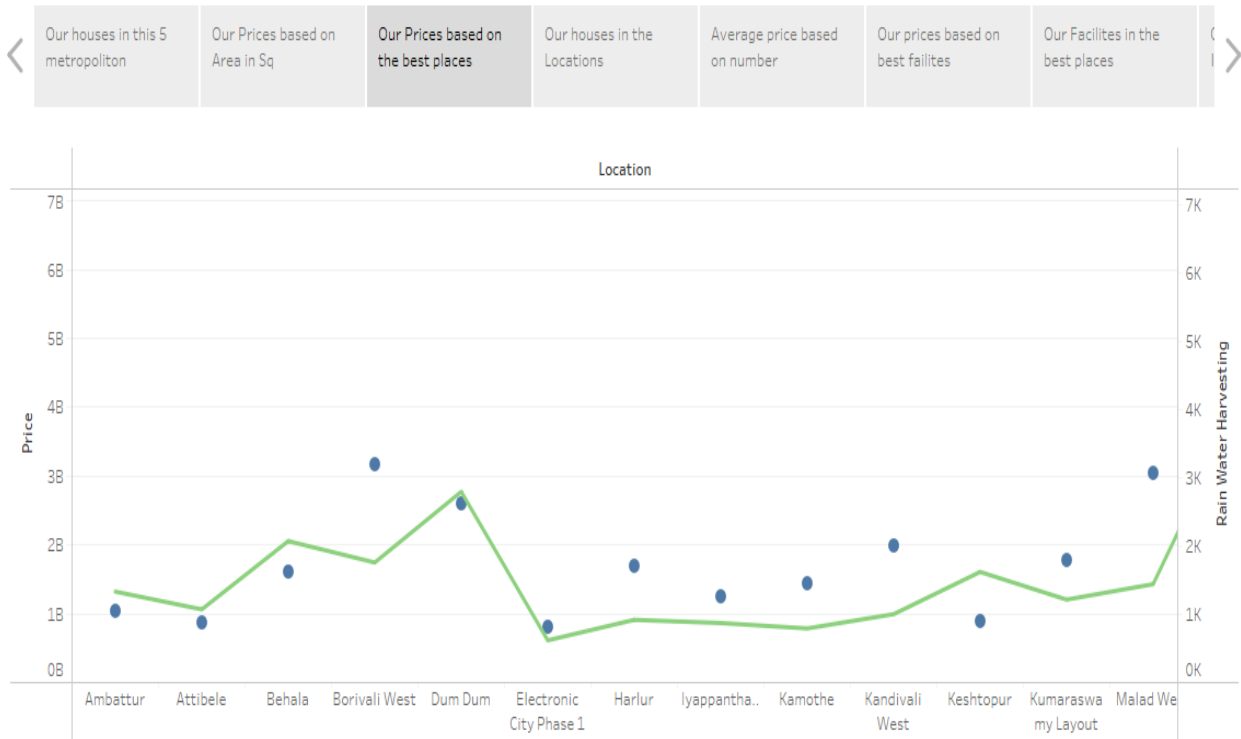


Story 1

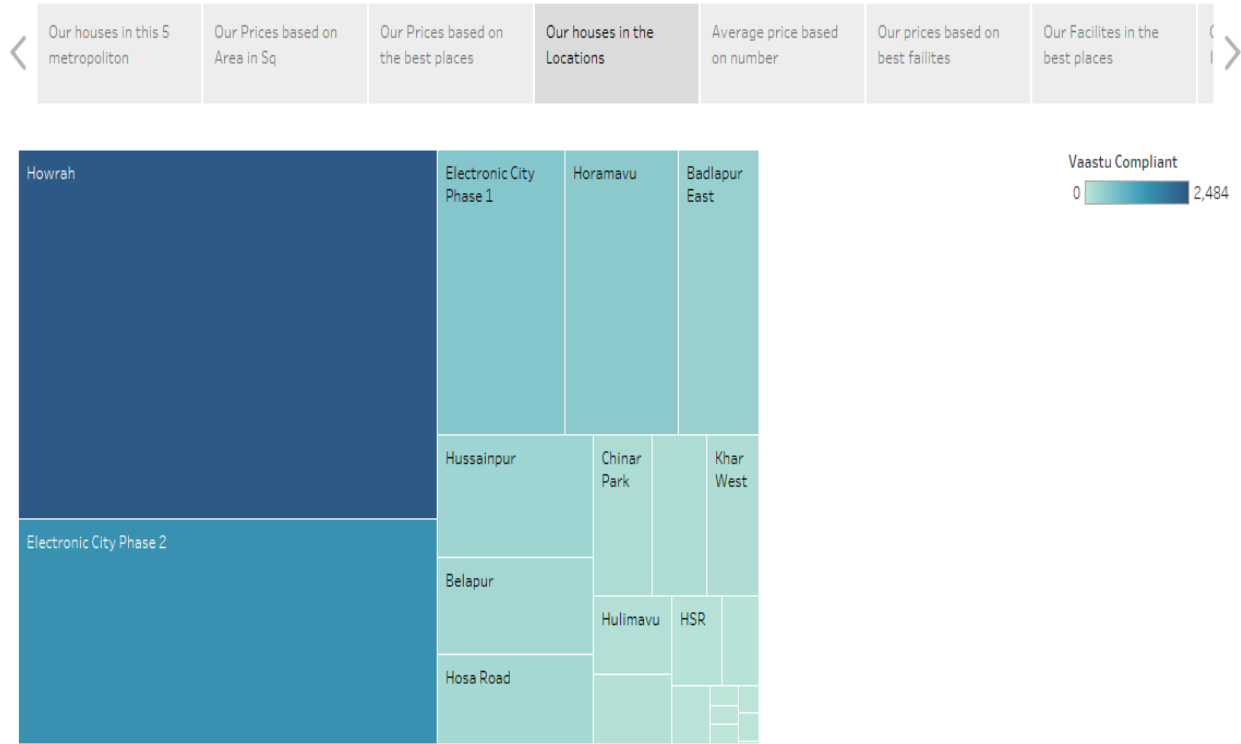
<	Our houses in this 5 metropolitan	Our Prices based on Area in Sq	Our Prices based on the best places	Our houses in the Locations	Average price based on number	Our prices based on the best failites	Our Facilities in the best places	>
---	-----------------------------------	--------------------------------	-------------------------------------	-----------------------------	-------------------------------	---------------------------------------	-----------------------------------	---



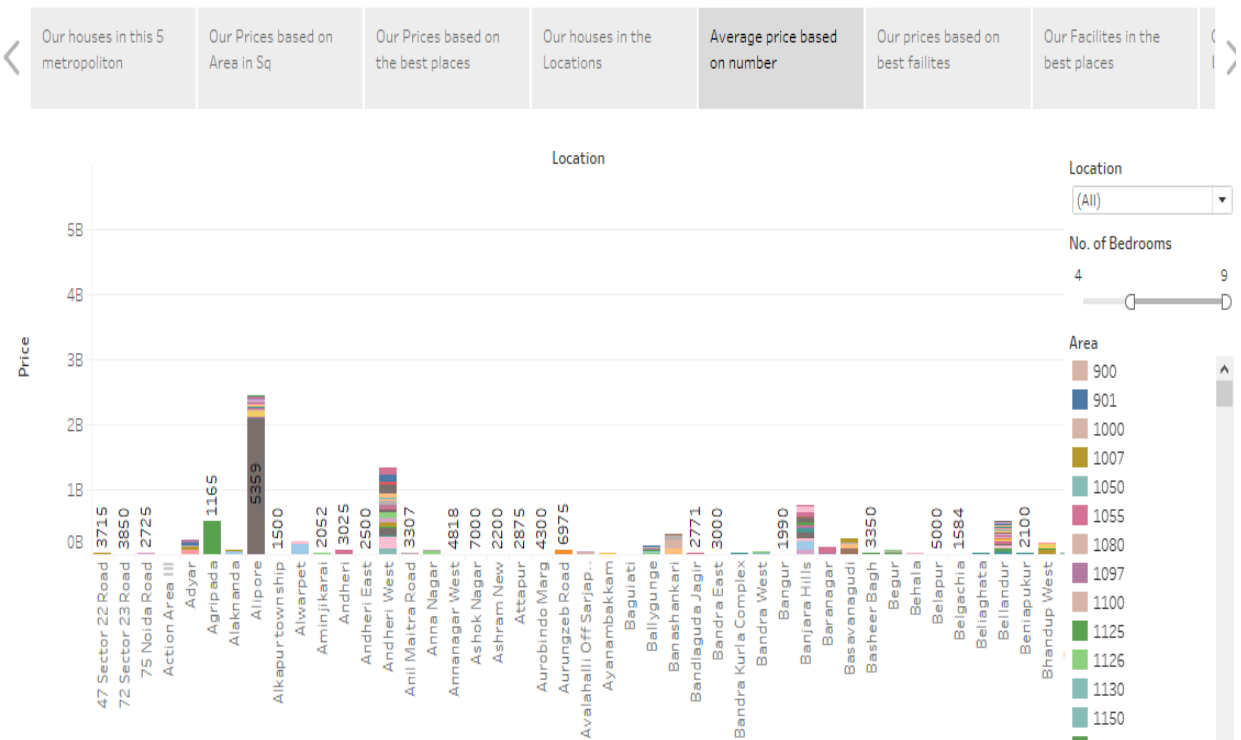
Story 1



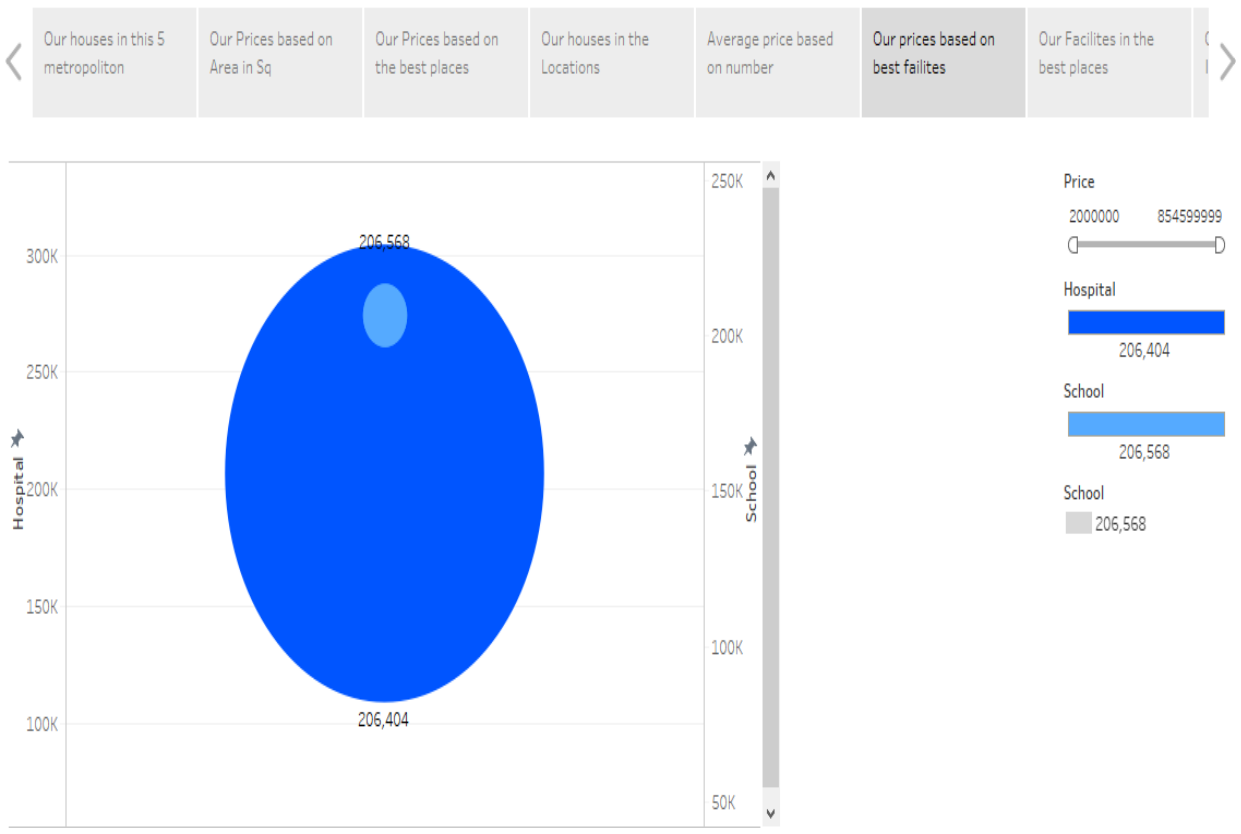
Story 1



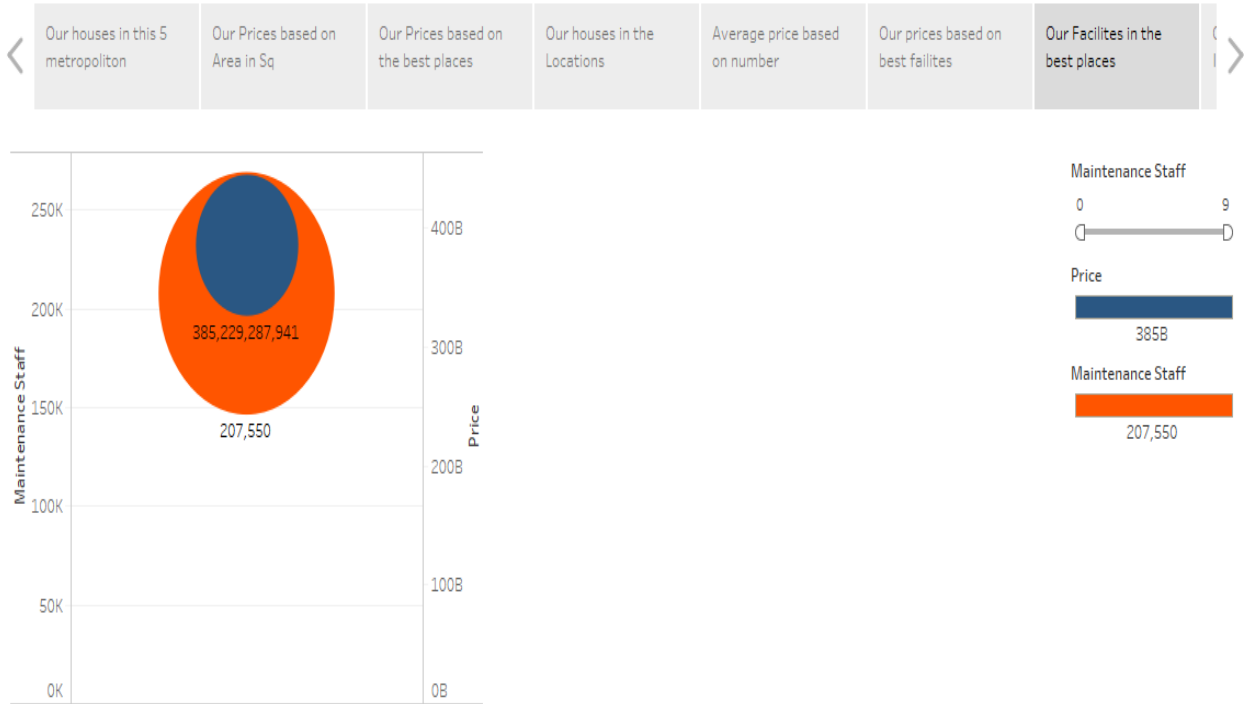
Story 1



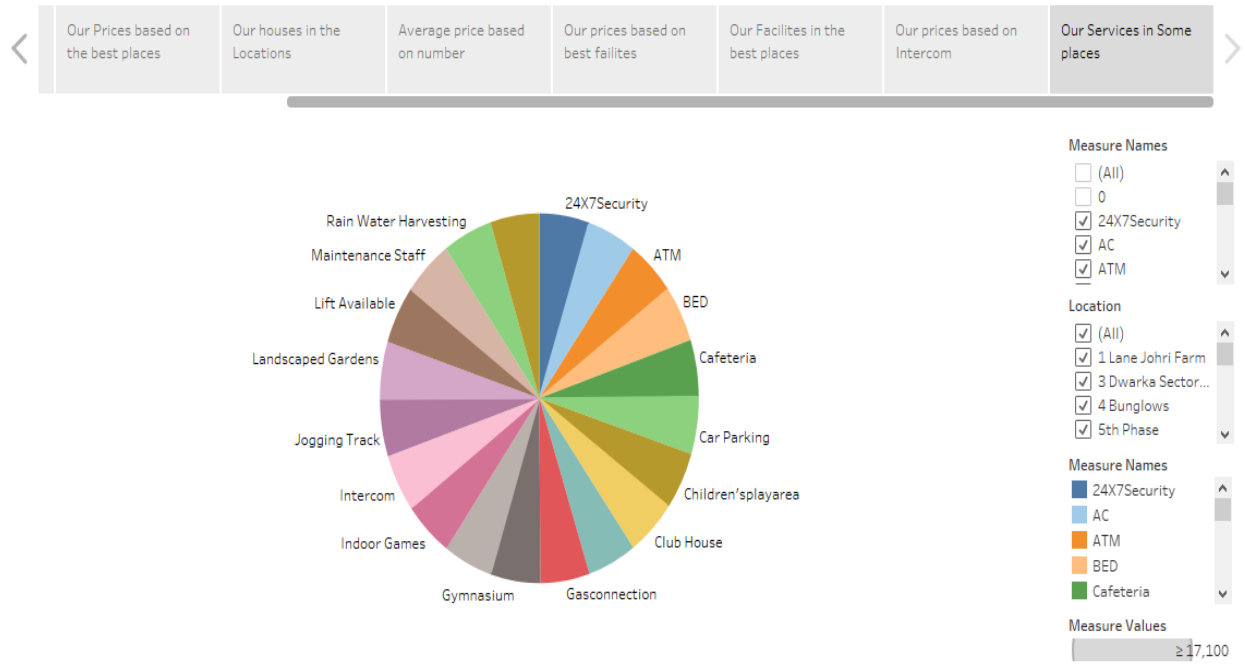
Story 1



Story 1



Story 1



ADVANTAGES :

- **MARKET ANALYSIS IN REAL ESTATE IS SIMPLY A PROCESS OF GAINING A DEEP UNDERSTANDING OF THE REAL ESTATE MARKET.**
- **IT WILL GUIDE YOU FOR THE RIGHT TIME TO INVEST IN A PROPERTY AND A WISE INVESTOR ALWAYS GOES THROUGH THE MARKET ANALYSIS BEFORE INVESTING IN ANY PROPERTY.**
- **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.**

DISADVANTAGES :

- **DATA ON HOME PRICES IN INDIA IS NOT ALWAYS READILY AVAILABLE OR RELIABLE. THIS CAN MAKE IT DIFFICULT TO CONDUCT ACCURATE AND MEANINGFUL ANALYSIS.**
- **THE INDIAN REAL ESTATE MARKET IS COMPLEX AND DIVERSE, WITH A WIDE RANGE OF FACTORS INFLUENCING HOME PRICES. THIS CAN MAKE IT CHALLENGING TO ISOLATE THE IMPACT OF INDIVIDUAL FACTORS.**
- **HOME PRICES CAN VARY SIGNIFICANTLY ACROSS DIFFERENT REGIONS OF INDIA. THIS MEANS THAT DATA FROM ONE REGION MAY NOT BE REPRESENTATIVE OF THE MARKET AS A WHOLE.**

APPLICATION :

HOME BUYERS COULD USE HOME PRICE DATA TO COMPARE PRICES IN DIFFERENT NEIGHBORHOODS. THIS INFORMATION COULD THEN BE USED TO MAKE AN INFORMED DECISION ABOUT WHERE TO BUY A HOME. HOME SELLERS COULD USE HOME PRICE DATA TO SET A REALISTIC ASKING PRICE FOR THEIR HOME. IF THEY SET THE ASKING PRICE TOO LOW, THEY MAY LOSE MONEY ON THE SALE. HOME BUYERS AND SELLERS COULD ALSO USE HOME PRICE DATA TO TRACK TRENDS OVER TIME. THIS INFORMATION COULD BE USED TO DECIDE WHEN TO BUY OR SELL A HOME.

CONCLUSION :

IN ADDITION TO POLICY INTERVENTIONS, IT IS ALSO IMPORTANT FOR INDIVIDUALS TO BE AWARE OF THE FACTORS THAT DRIVE HOUSE PRICES IN METROPOLITAN AREAS IN INDIA. THIS INFORMATION CAN HELP INDIVIDUALS TO MAKE INFORMED DECISIONS ABOUT WHERE AND WHEN TO BUY A HOME.

FUTURE SCOPE :

THE INDIAN GOVERNMENT IS INVESTING HEAVILY IN INFRASTRUCTURE PROJECTS, SUCH AS METRO SYSTEMS, HIGHWAYS, AND AIRPORTS. THIS IS LIKELY TO BOOST REAL ESTATE DEVELOPMENT IN THE AREAS SURROUNDING THESE PROJECTS. THE INDIAN GOVERNMENT IS INVESTING HEAVILY IN INFRASTRUCTURE PROJECTS, SUCH AS METRO SYSTEMS, HIGHWAYS, AND AIRPORTS. THIS IS LIKELY TO BOOST REAL ESTATE DEVELOPMENT IN THE AREAS SURROUNDING THESE PROJECTS.