ANALYSING HOUSING PRICES IN METROPOLITAN AREAS OF INDIA

1. INTRODUCTION

1.1 Overview

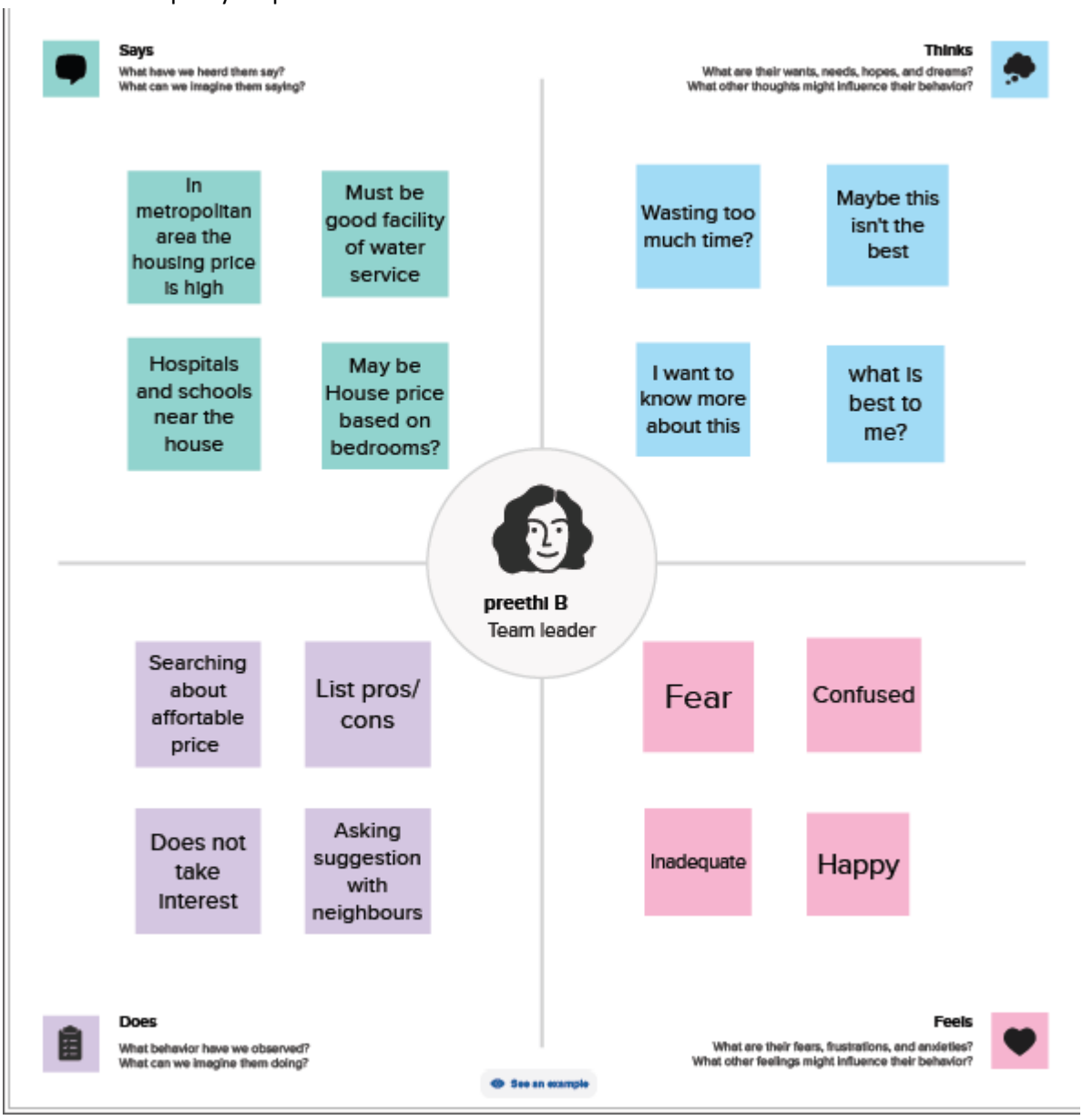
House price prediction in a metropolitan city in India is a valuable solution for homebuyers, real estate agents, and investors. By leveraging historical sales data, property details, and location-specific information, a predictive model can accurately estimate house prices. The model's scalability,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

1.2 Purpose

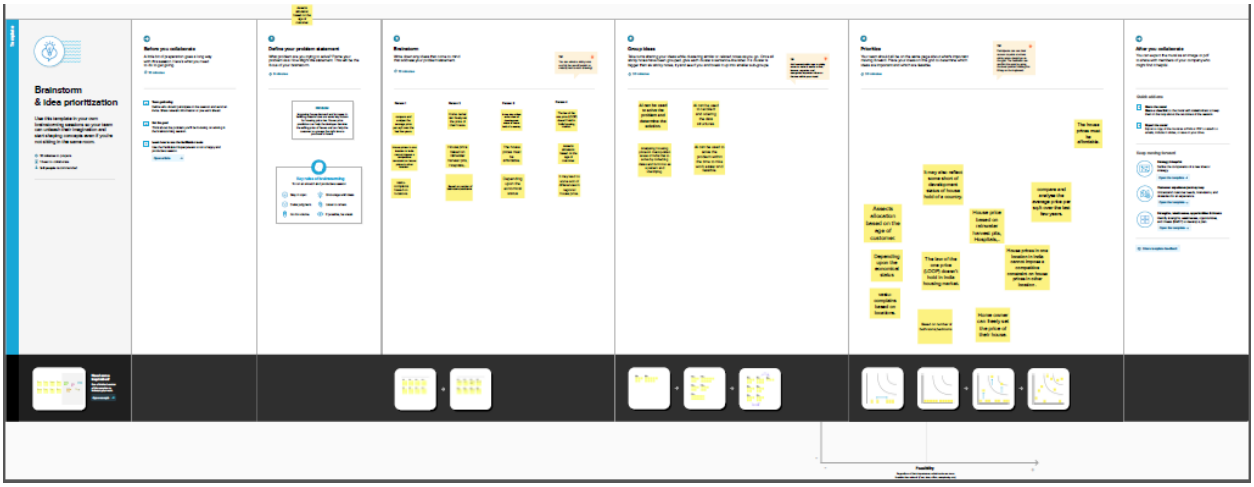
Integration capability, data privacy, and cost-effectiveness are also important considerations. By addressing these requirements, the prediction model provides reliable insights, empowering stakeholders to make informed decisions in the fast-paced real estate market.

2. PROBLEM DEFINITION & DESIGN THINKING

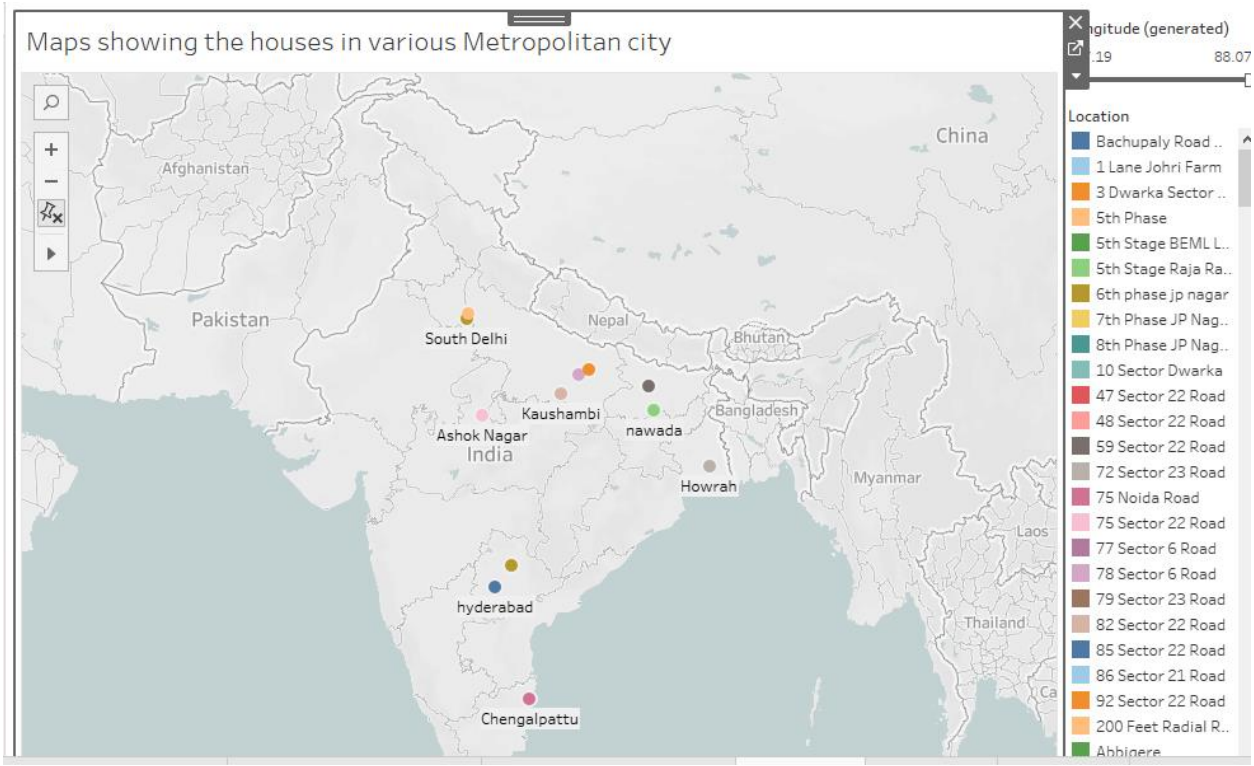
2.1 Empathy map

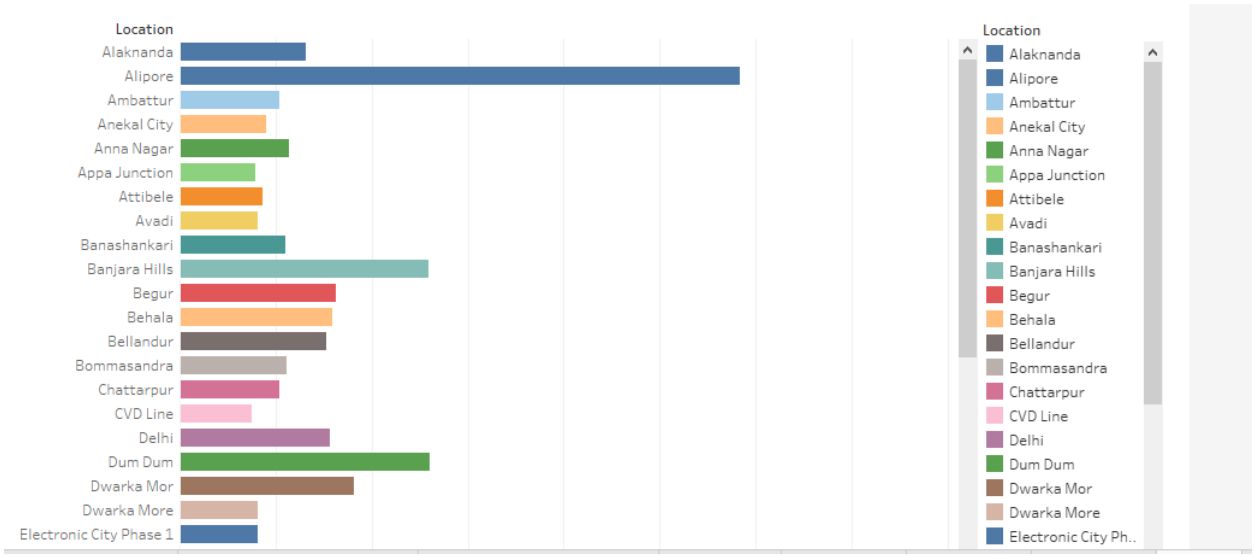


2.2 Ideation & Brainstorming Map


Brainstorm
& idea prioritization

2 RESULT


Maps showing the houses in various Metropolitan city
China
Afghanistan
Pakistan
Nepal
Bhutan
South Delhi
Kaushambi
Ashok Nagar
India
nawada
Bangladesh
Howrah
Myanmar
Laos
Thailand
hyderabad
Chengalpattu
Location
Bachupaly Road ..
1 Lane Johri Farm
3 Dwarka Sector ..
5th Phase
5th Stage BEML L..
5th Stage Raja Ra..
6th phase jp nagar
7th Phase JP Nag..
8th Phase JP Nag..
10 Sector Dwarka
47 Sector 22 Road
48 Sector 22 Road
59 Sector 22 Road
72 Sector 23 Road
75 Noida Road
75 Sector 22 Road
77 Sector 6 Road
78 Sector 6 Road
79 Sector 23 Road
82 Sector 22 Road
85 Sector 22 Road
86 Sector 21 Road
92 Sector 22 Road
200 Feet Radial R..
Abbigere


Location
Alaknanda
Alipore
Ambattur
Anekal City
Anna Nagar
Appa Junction
Attibele
Avadi
Banashankari
Banjara Hills
Begur
Behala
Bellandur
Bommasandra
Chattarpur
CVD Line
Delhi
Dum Dum
Dwarka Mor
Dwarka More
Electronic City Phase 1
Location
Alaknanda
Alipore
Ambattur
Anekal City
Anna Nagar
Appa Junction
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Avadi
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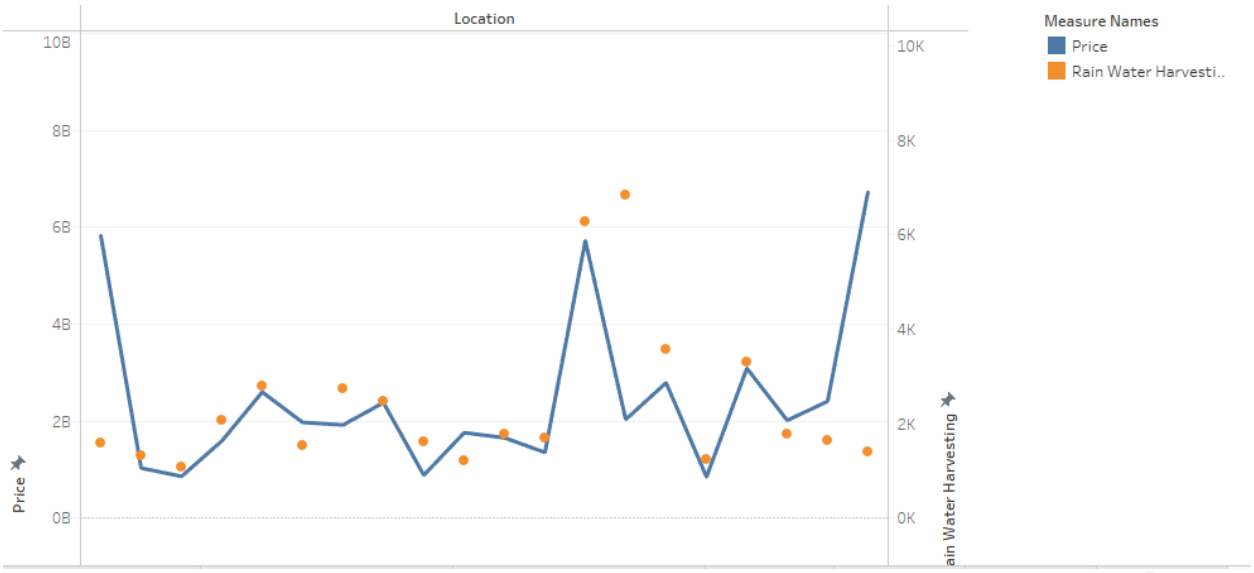
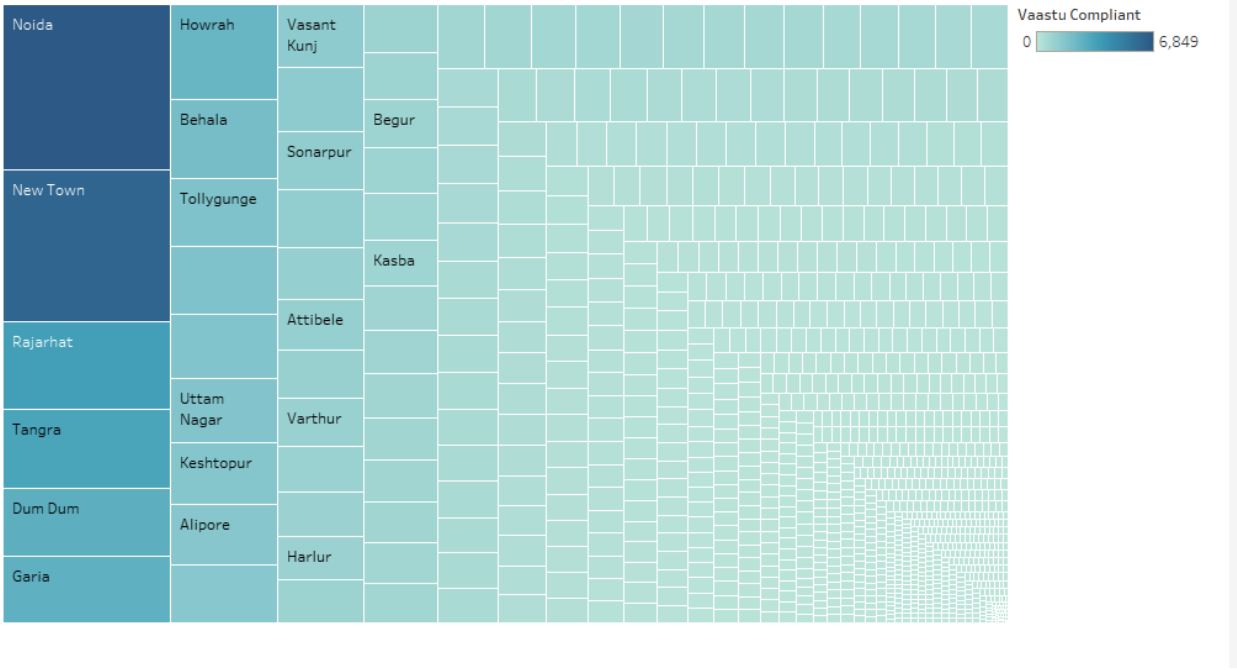
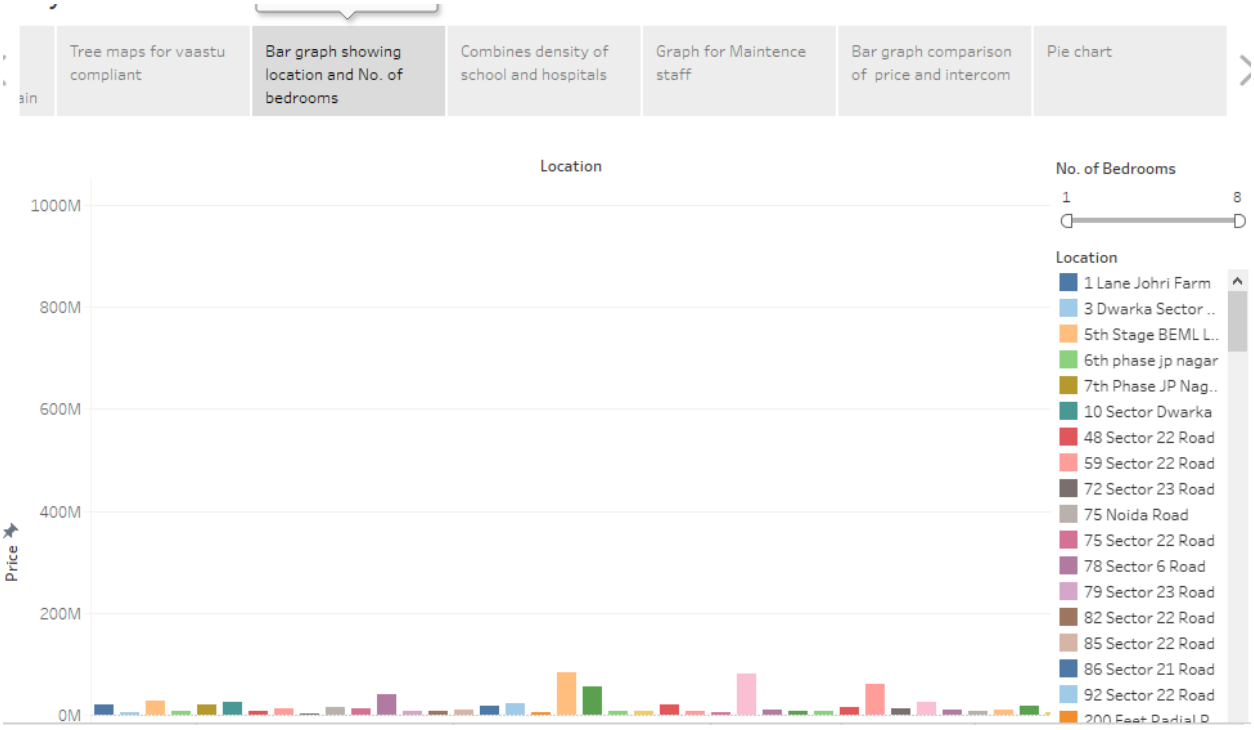
Behala
Bellandur
Bommasandra
Chattarpur
CVD Line
Delhi
Dum Dum
Dwarka Mor
Dwarka More
Electronic City Ph..

Story 1

Symbol maps for metropolitan cities | Bar graph showing price in various location | Combined line and location graph showing price and rain | Tree maps for vaastu compliant | Bar graph showing location and No. of bedrooms | Combines density of school and hospitals | Gra sta






Tree maps for vaastu compliant
Bar graph showing location and No. of bedrooms
Combines density of school and hospitals
Graph for Maintence staff
Bar graph comparison of price and intercom
Pie chart
Location
No. of Bedrooms
1
8
Location
1 Lane Johri Farm
3 Dwarka Sector ..
5th Stage BEML L..
6th phase jp nagar
7th Phase JP Nag..
10 Sector Dwarka
48 Sector 22 Road
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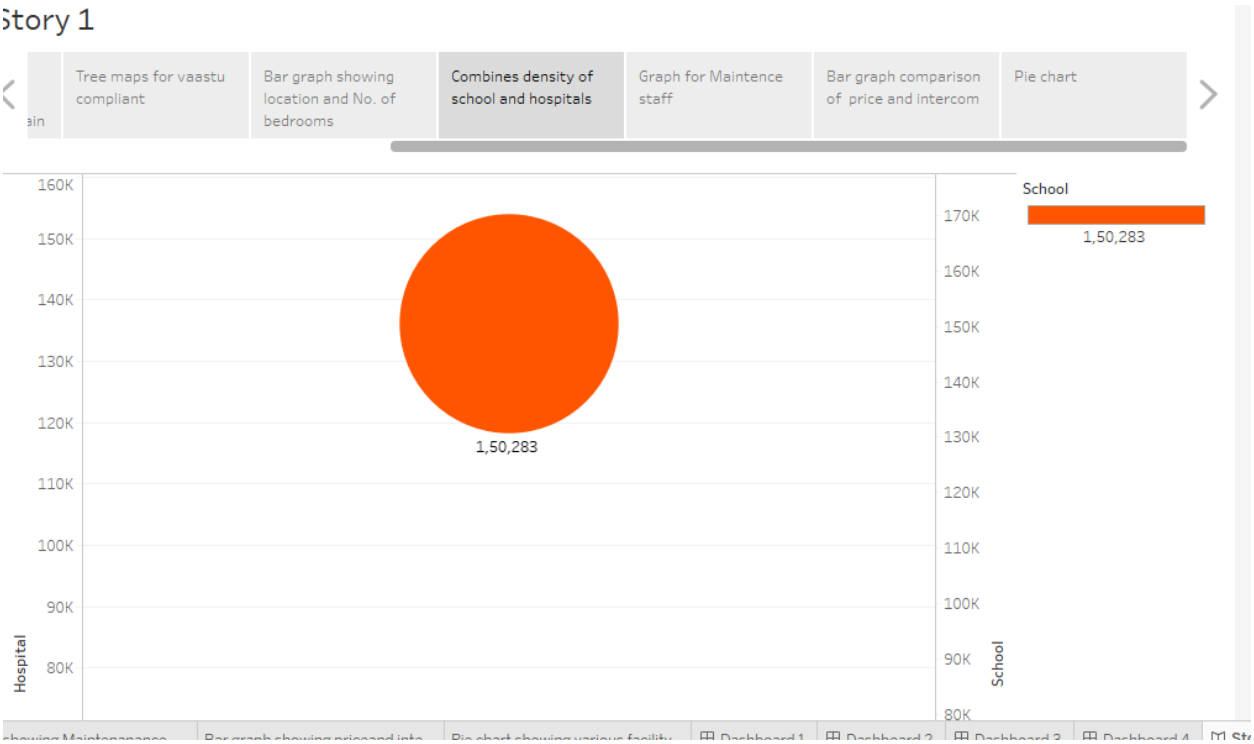
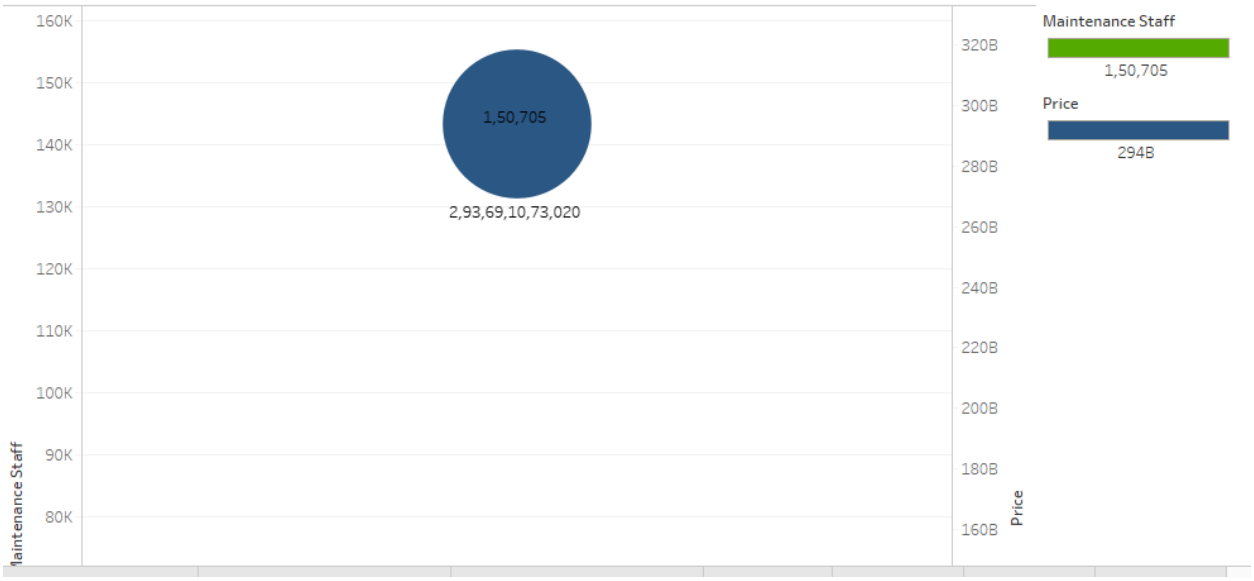
75 Noida Road
75 Sector 22 Road
78 Sector 6 Road
79 Sector 23 Road
82 Sector 22 Road
85 Sector 22 Road
86 Sector 21 Road
92 Sector 22 Road
1000M
800M
600M
400M
200M
0M
Price


Story 1
Tree maps for vaastu compliant
Bar graph showing location and No. of bedrooms
Combines density of school and hospitals
Graph for Maintence staff
Bar graph comparison of price and intercom
Pie chart
School
1,50,283
1,50,283
160K
150K
140K
130K
120K
110K
100K
90K
80K
Hospital
School
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4

tory 1

Tree maps for vaastu compliant | Bar graph showing location and No. of bedrooms | Combines density of school and hospitals | Graph for Maintence staff | Bar graph comparison of price and intercom | Pie chart



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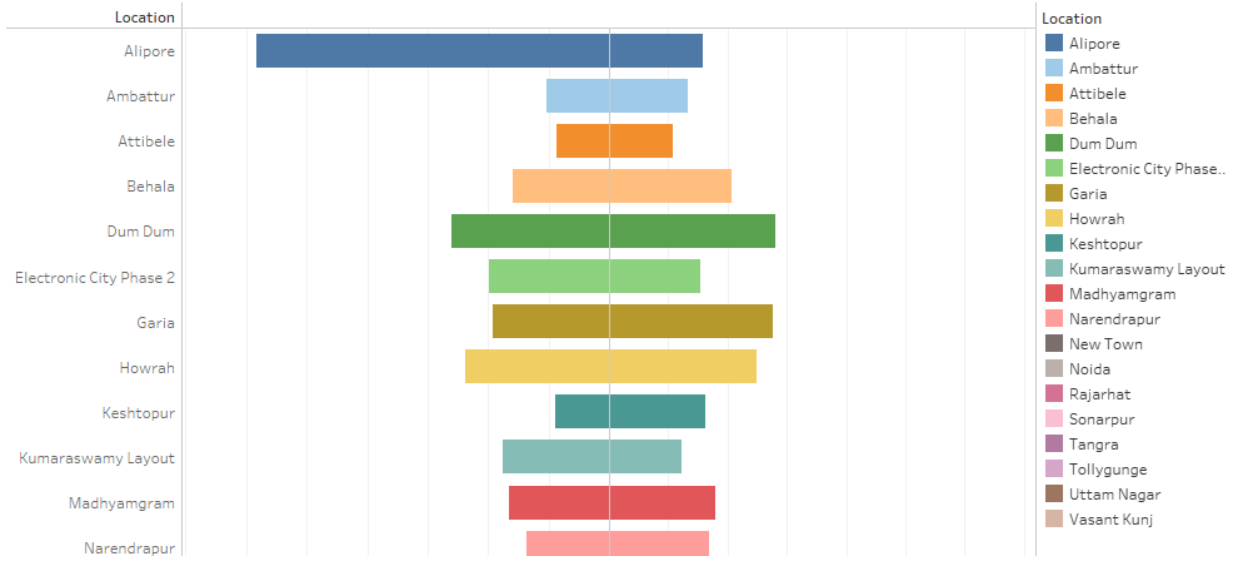

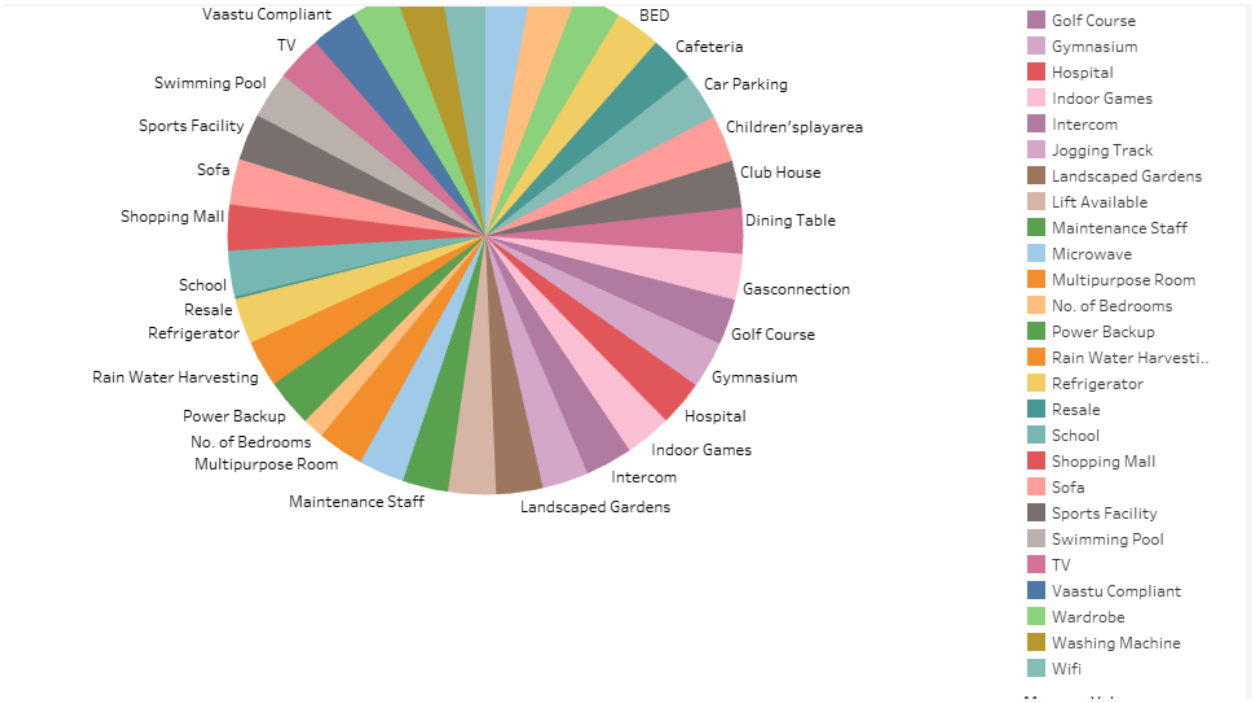

3 ADVANTAGES & DISADVANTAGES

ADVANTAGES

- You can move without penalty when your lease it up
- Monthly rent payments are likely lower than house payments
- Make income off your home if you choose to rent it out
- Monthly mortgage payments can possibly be less than rent
- Deduct your mortgage interest and property tax payments from your federal tax statements.
- As a homeowner, you have freedom to make your home what you want

DISADVANTAGES

- Significant installation of costs
- Some people may not like smart technologies
- Compatibility problems between devices
- Technology may become outdated soon
- Helpless if the technology fails
- Maintenance and repair issues

5 APPLICATION

House price prediction can help the developer determine the price of a house and can help he customer to arrange the right time to purchase a house. Machine learning models is used to easily under stand the project .Housing is a key input in economic social and civic development. Many housing-related activities are known to contribute directly to achieving broader socio-economic development goals.

6 CONCLUSION

Affordable housing is known for its capacity to provide safety, security, identity, space and opportunity to children in low-maintain their health and well-being; achieve financial goals and reducing costs to society by improving and succeeding academically. It takes into account the cost as well as the schedule thus helping with effective decision making for the project.

7 FUTURE SCOPE

Where housing and real estate are considered as major sources of physical and financial asset. This also leads to the difference in the dynamics of house price determination. It simply means that there might be shift of house prices in cities from average, in the country, depending upon its economic status. For instance, average house prices in the poorer provinces might be lower than the national average. Similarly, for richer states. The urban hose prices, on average might be higher than the national average.