

PROJECT REPORT FOR HOUSE PRICES

1. INTRODUCTION:

1.1 Overview:

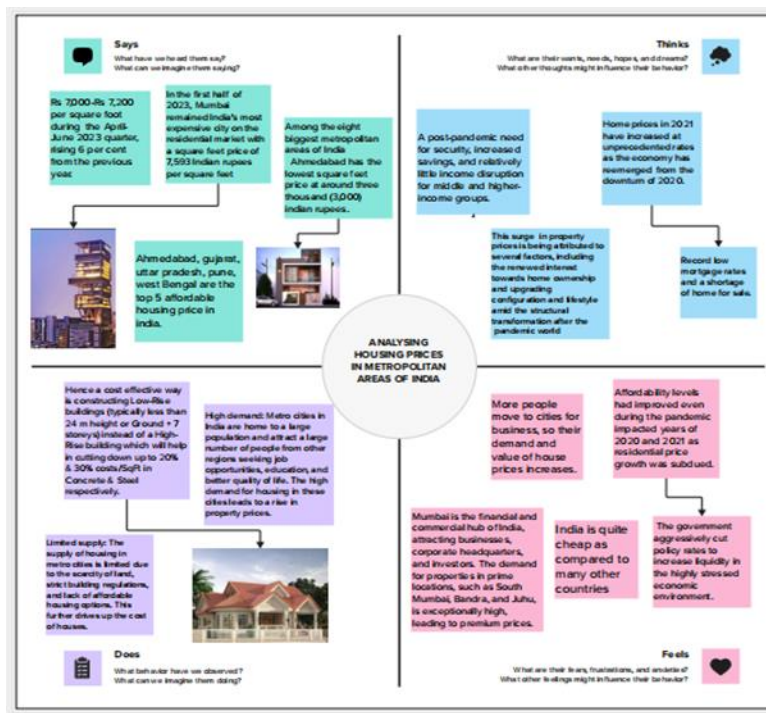
House price prediction in a metropolitan city in India is a valuable solution for potential home buyers, real estate agents, and investors. By leveraging historical sales data, property details, and location-specific information, predictive model can accurately estimate house prices.

1.2 Purpose:

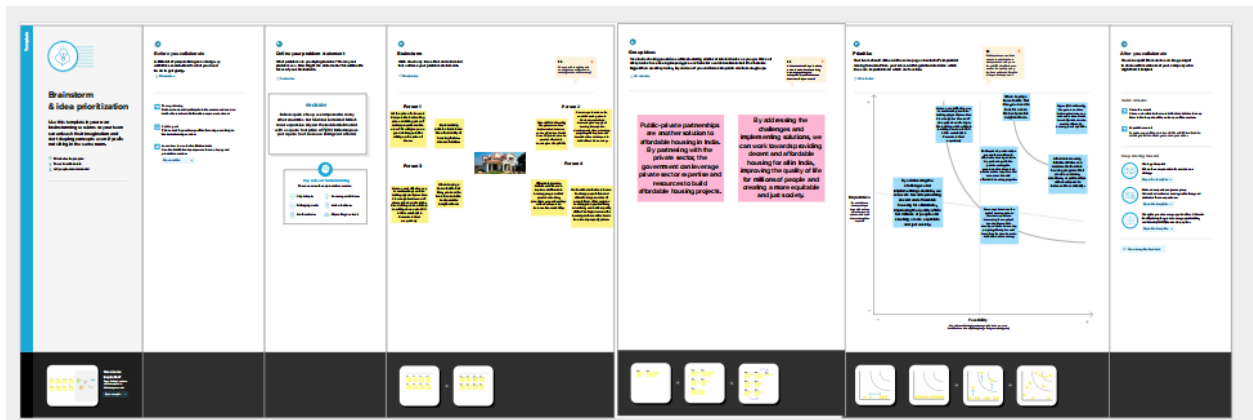
With 40 explanatory variables describing various aspects of new and resale houses in the metropolitan areas of India, one can predict the final price of houses in these regions.

2. Problem Definition & Design Thinking:

2.1 Empathy Map:



2.2 Ideation & Brainstorming Map



3.RESULT:

which will help in cutting down up to 20% & 30% costs/SqFt in Concrete & Steel respectively. Some ways to reduce the cost of housing price in Mumbai may include increasing the supply of housing through the development of new housing projects, offering financial incentives for developers to build affordable housing.

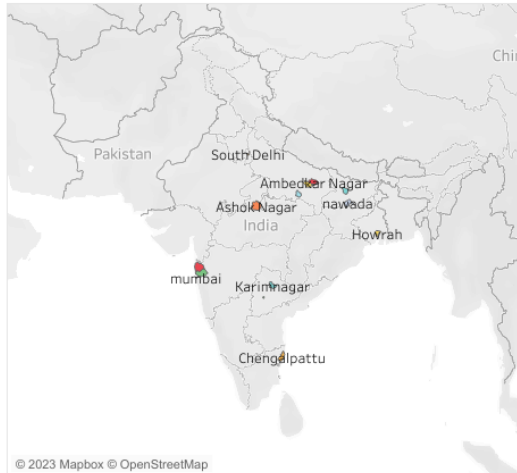
Additionally, the government has implemented schemes such as Pradhan Mantri Awas Yojana (PMAY) which aims to provide affordable housing for all by 2022.

DASHBOARD 1:

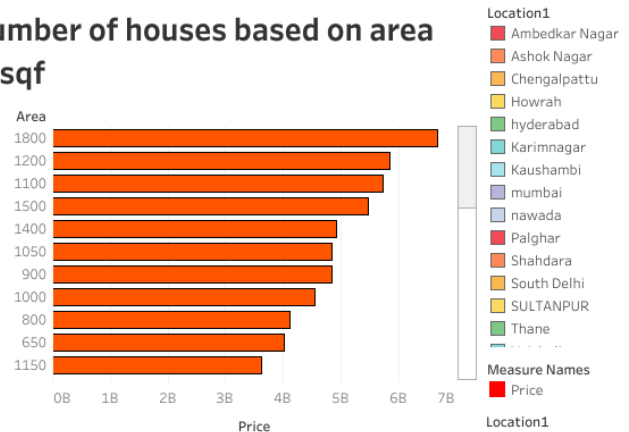
https://public.tableau.com/app/profile/sabitha.n/viz/AnalysingHousingPricesinMetropolitanAreasofIndia_16965208860930/Dashboard1?publish=yes

HOUSE PRICE PREDICTION IN INDIA

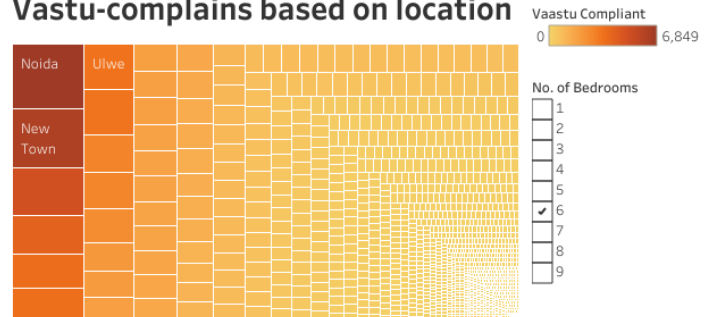
Latitude and Longitude based on Location



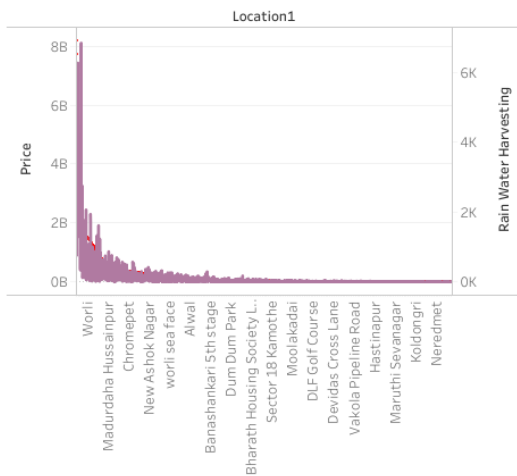
Number of houses based on area in sqf



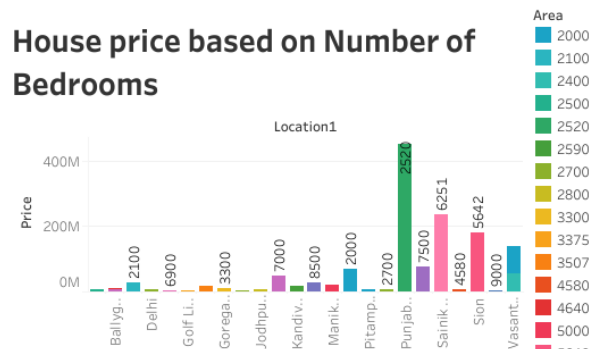
Vastu-complains based on location



Houses price based on rainwater harvest pits



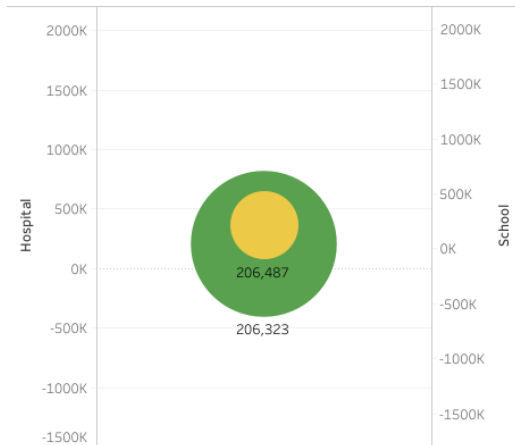
House price based on Number of Bedrooms



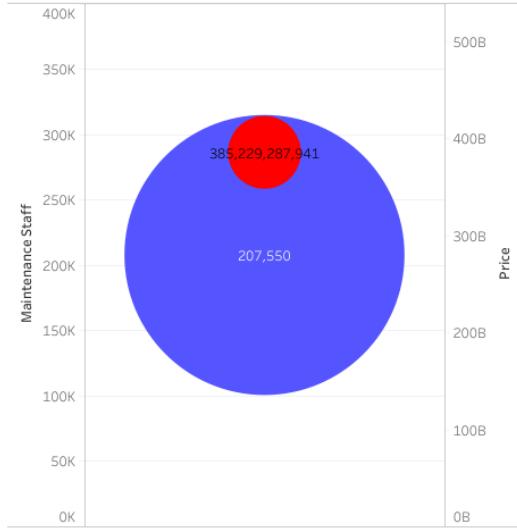
DASHBOARD 2 :

https://public.tableau.com/app/profile/sabitha.n/viz/AnalysingHousingPricesinMetropolitanAreasofIndia_16965211196090/Dashboard2?publish=yes

Hospitals and schools near the Houses



Maintains staff in houses prices



Measure Names

Hospital
School

Location1

Limit

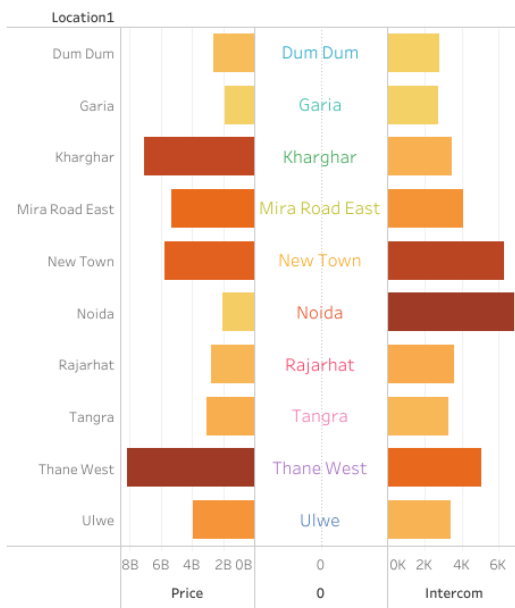
Top 10 by

SUM([24X7Security])

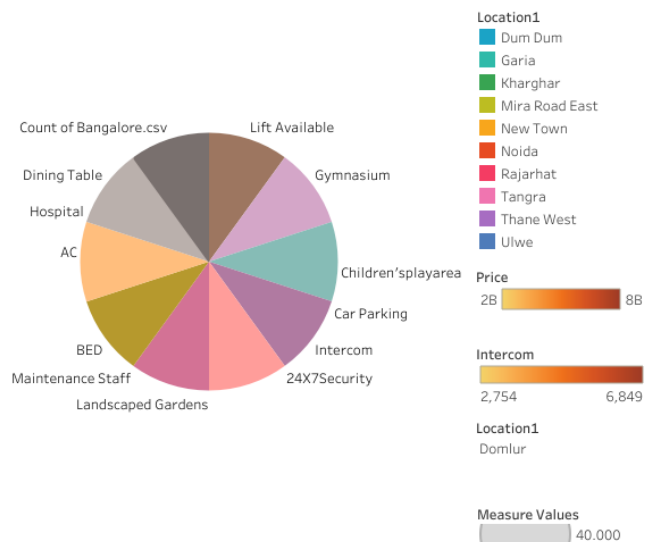
Measure Names

☒ 24X7Security
☒ AC
☒ ATM
☒ BED
☒ Cafeteria
☒ Car Parking
☒ Children'splayarea
☒ Club House
☒ Count of Bangalore.csv
☒ Dining Table
☒ Gasconnection
☒ Golf Course
☒ Gymnasium
☒ Hospital
☒ Indoor Games
☒ Intercom
☒ Jogging Track
☒ Landscaped Gardens
☒ Lift Available
☒ Maintenance Staff
☒ Microwave
☒ Multipurpose Room
☒ Power Parkin

House Price and Intercom



All Services based on locations

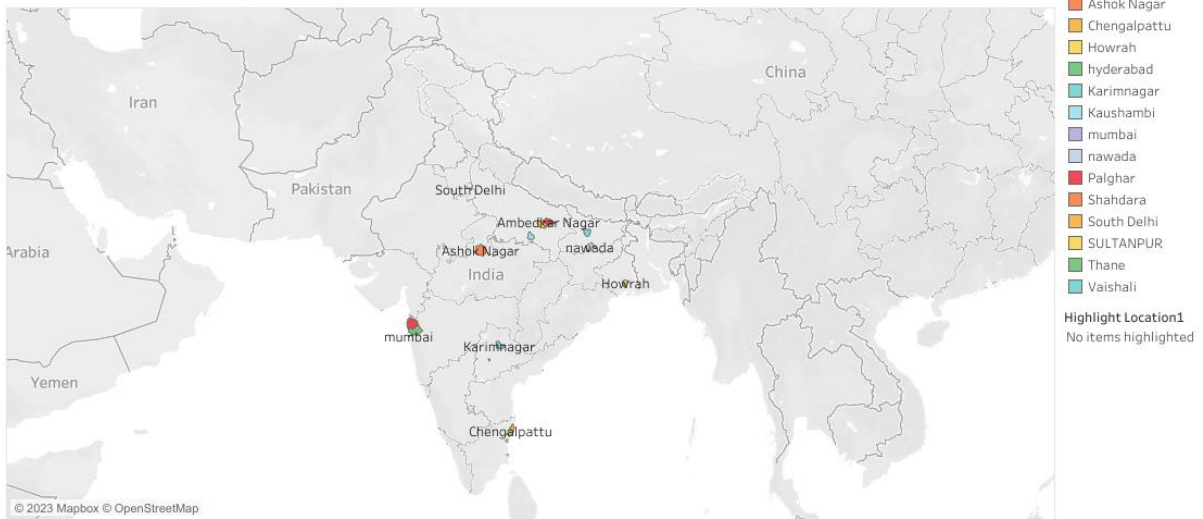


DASHBOARD : 3

<https://public.tableau.com/app/profile/sabitha.n/viz/HousingpricesinmetroplitanareasofindiaDashboard3/Dashboard3?publish=yes>

HOUSE PRICE PREDICTION IN INDIA

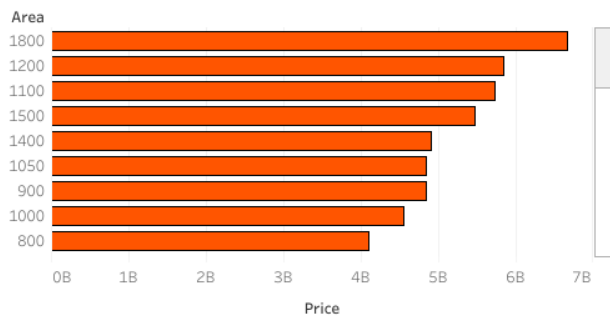
Latitude and Longitude based on Location



DASHBOARD : 4

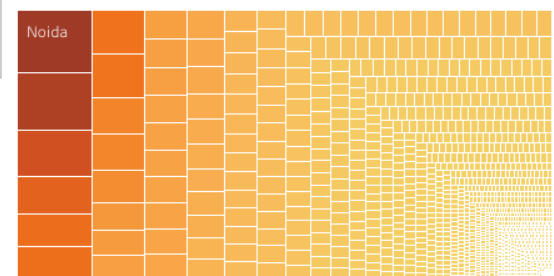
<https://public.tableau.com/app/profile/sabitha.n/viz/Housepricesinmetropolitanareainindiadashboard4/Dashboard4?publish=yes>

Number of houses based on area in sqf

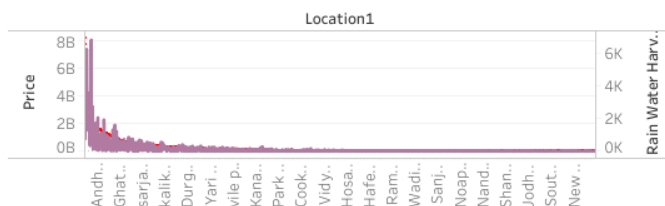


Measure Names
Price

Vastu-complains based on location



Houses price based on rainwater harvest pits

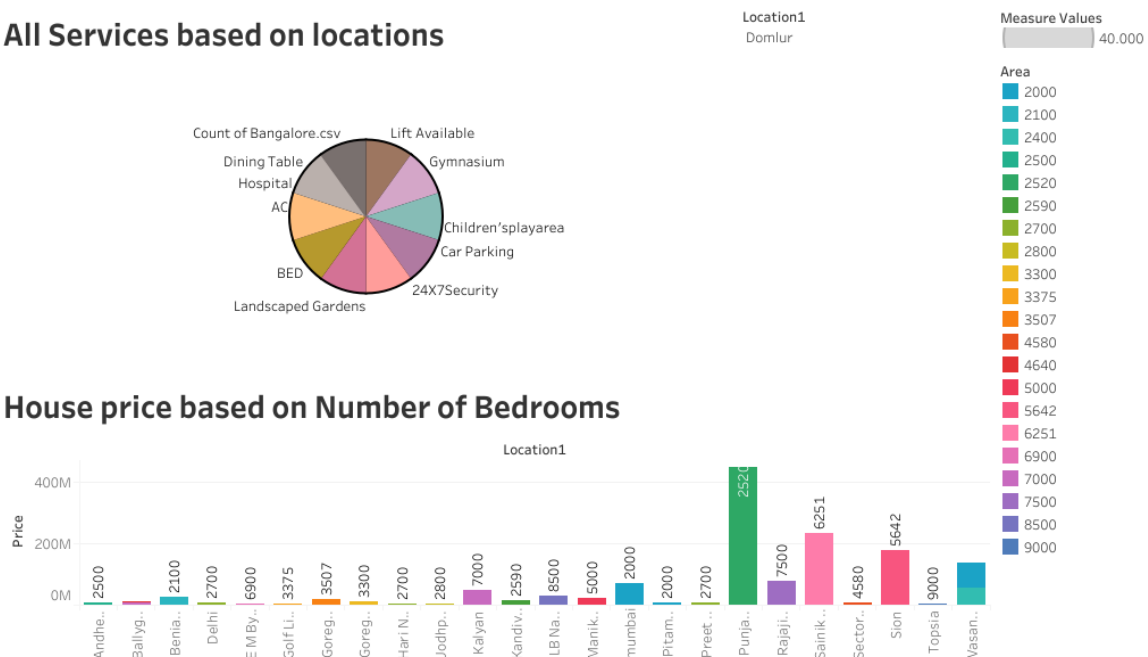


Vaustu Co.. 0 6,849
Highlight Location1
No items highlighted

DASHBOARD : 5

<https://public.tableau.com/app/profile/sabitha.n/viz/Housepricesinmetropolitanareainindiadashboard5/Dashboard5?publish=yes>

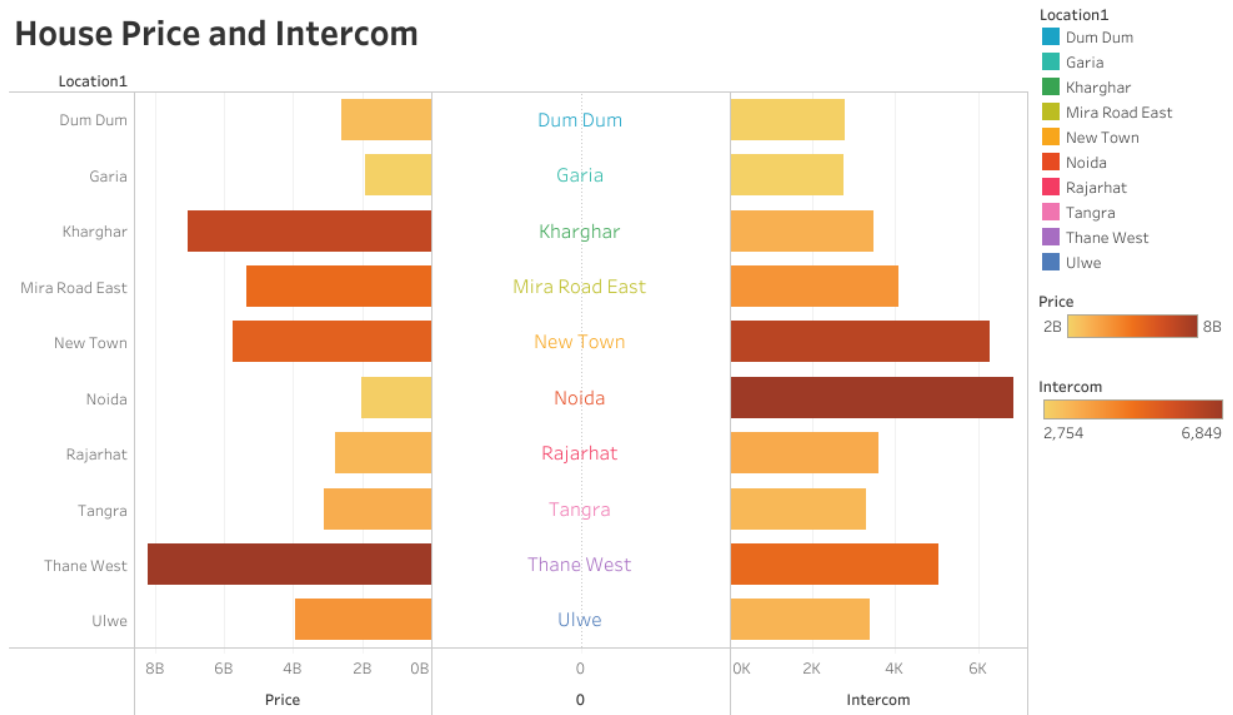
All Services based on locations



DASHBOARD : 6

<https://public.tableau.com/app/profile/sabitha.n/viz/Housepricesinmetropolitanareainindiadashboard6/Dashboard6>

House Price and Intercom

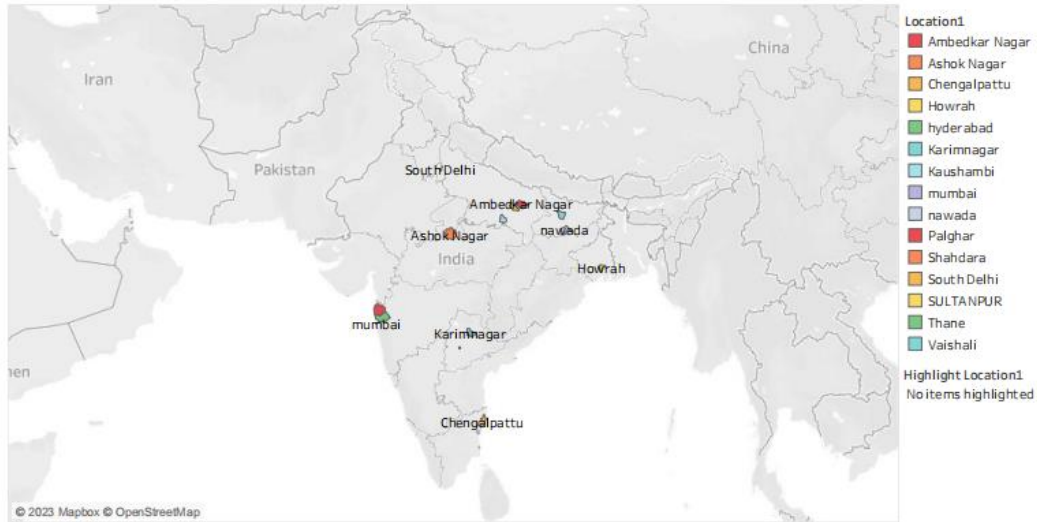


STORY:

https://public.tableau.com/app/profile/sabitha.n/viz/AnalysingHousePricesinMetropolitanAreasofIndia_16965214919860/Story1?publish=yes

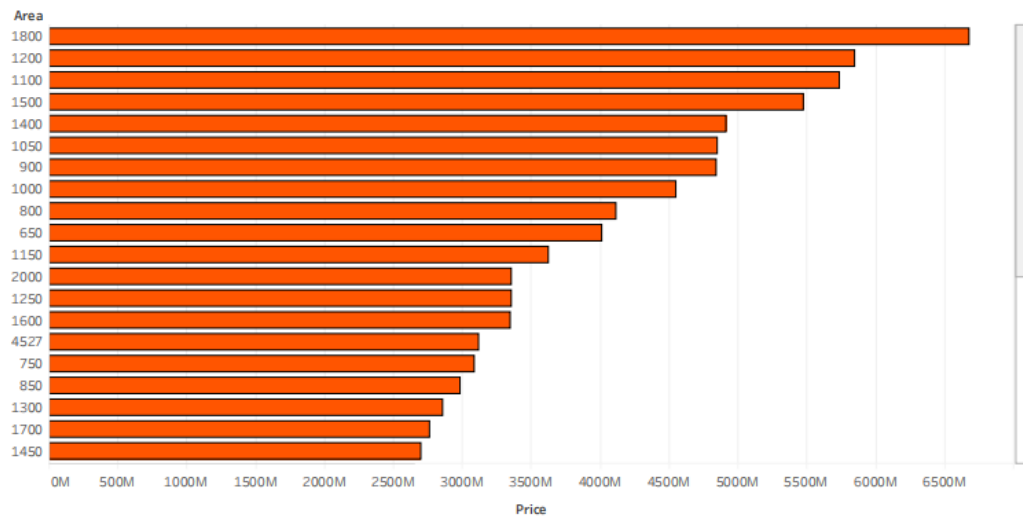
House price prediction in india

Our houses in this 5 metropoliton	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 facilities	Our Facilities in the best p..
-----------------------------------	--------------------------------	-------------------------------------	-----------------------------	-------------------------------	---	--------------------------------



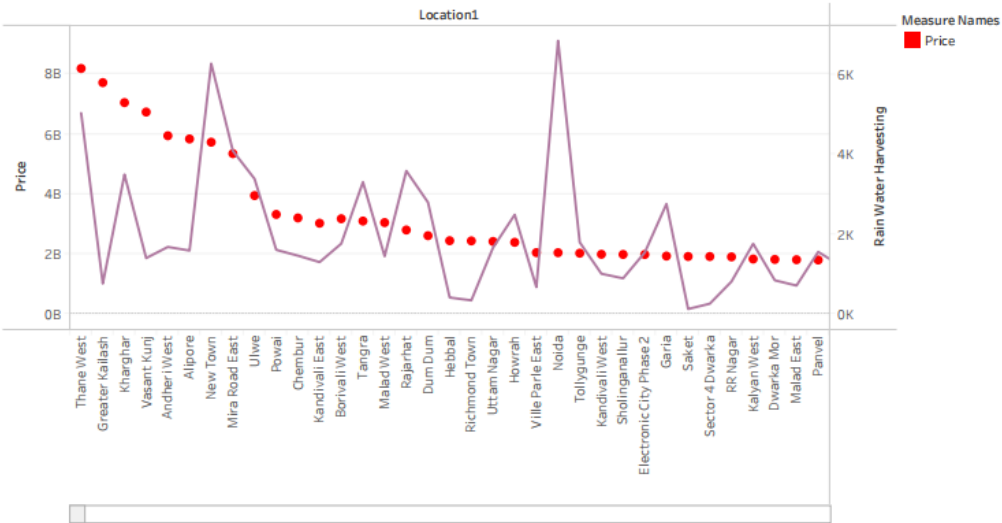
House price prediction in india

Our houses in this 5 metropoliton	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 facilities	Our Facilities in the best p..
-----------------------------------	--------------------------------	-------------------------------------	-----------------------------	-------------------------------	---	--------------------------------



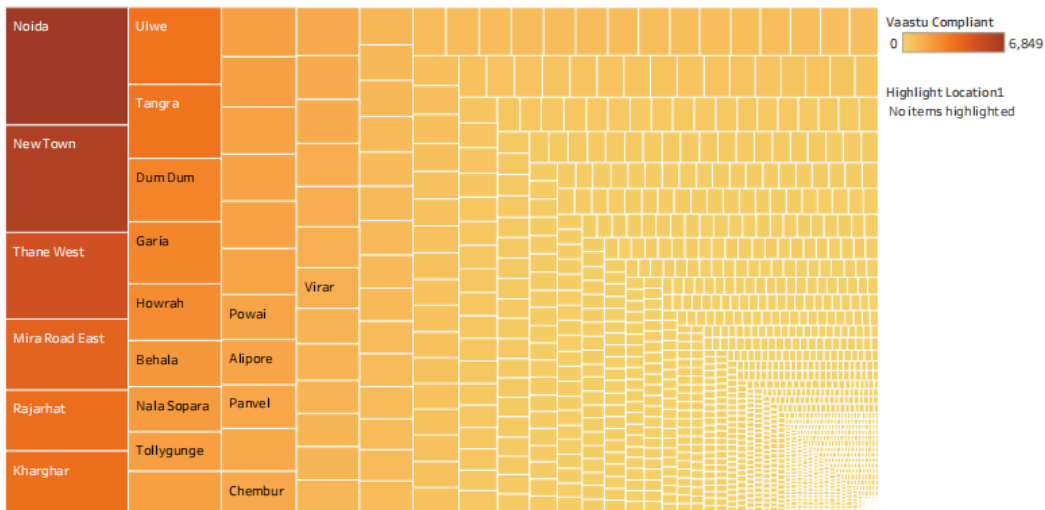
House price prediction in india

Our houses in this 5 metropoliton	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 facilites	Our Facilites in the best p...
-----------------------------------	--------------------------------	-------------------------------------	-----------------------------	-------------------------------	--	--------------------------------



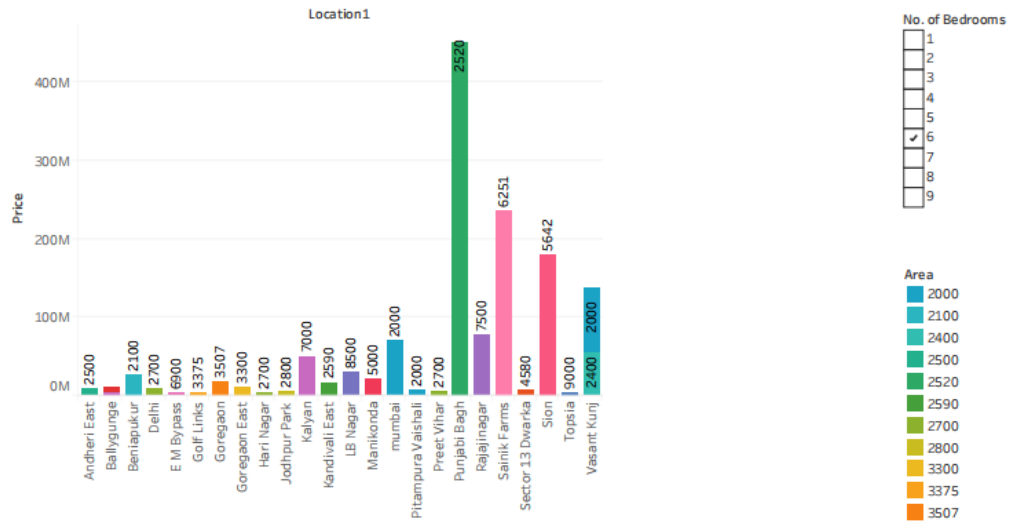
House price prediction in india

Our houses in this 5 metropoliton	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 facilites	Our Facilites in the best places.
-----------------------------------	--------------------------------	-------------------------------------	-----------------------------	-------------------------------	--	-----------------------------------



House price prediction in india

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 facilities	Our Facilities in the best places.	Our prices based on intercom
--------------------------------	-------------------------------------	-----------------------------	-------------------------------	---	------------------------------------	------------------------------

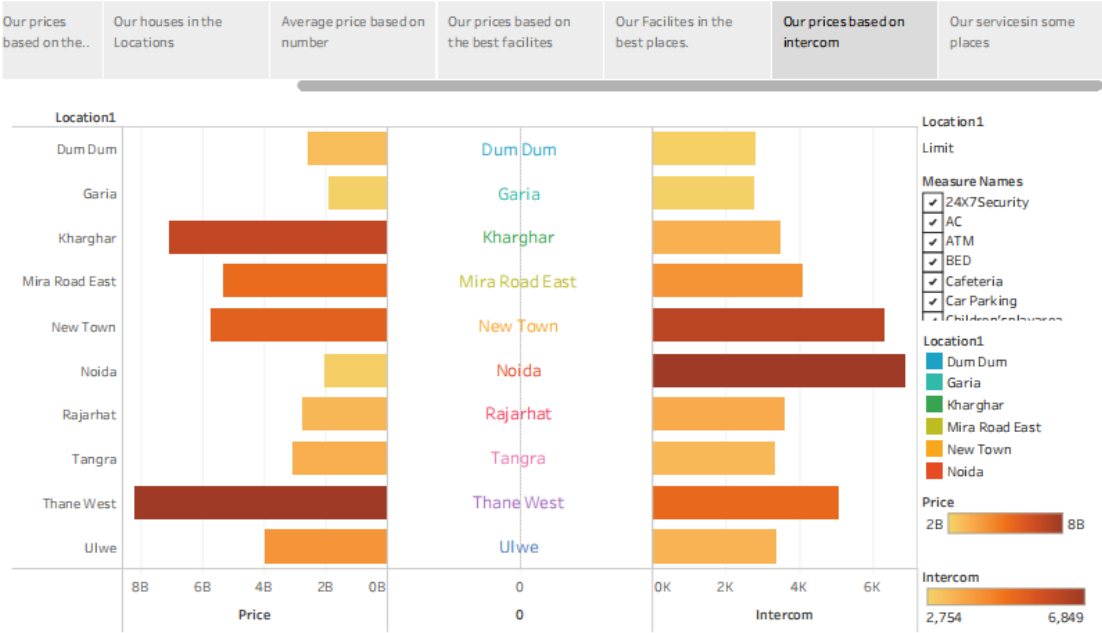


House price prediction in india

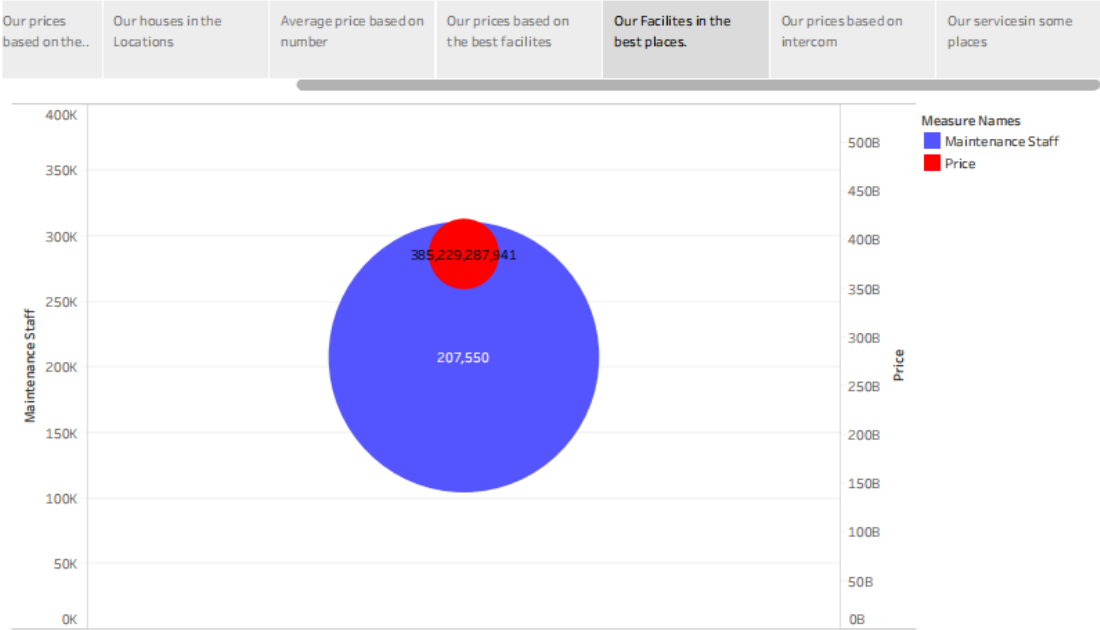
Our prices based on the best places	Our houses in the Locations	Average price based on number	Our prices based on the best facilities	Our Facilities in the best places.	Our prices based on intercom	Our services in some places
-------------------------------------	-----------------------------	-------------------------------	---	------------------------------------	------------------------------	-----------------------------



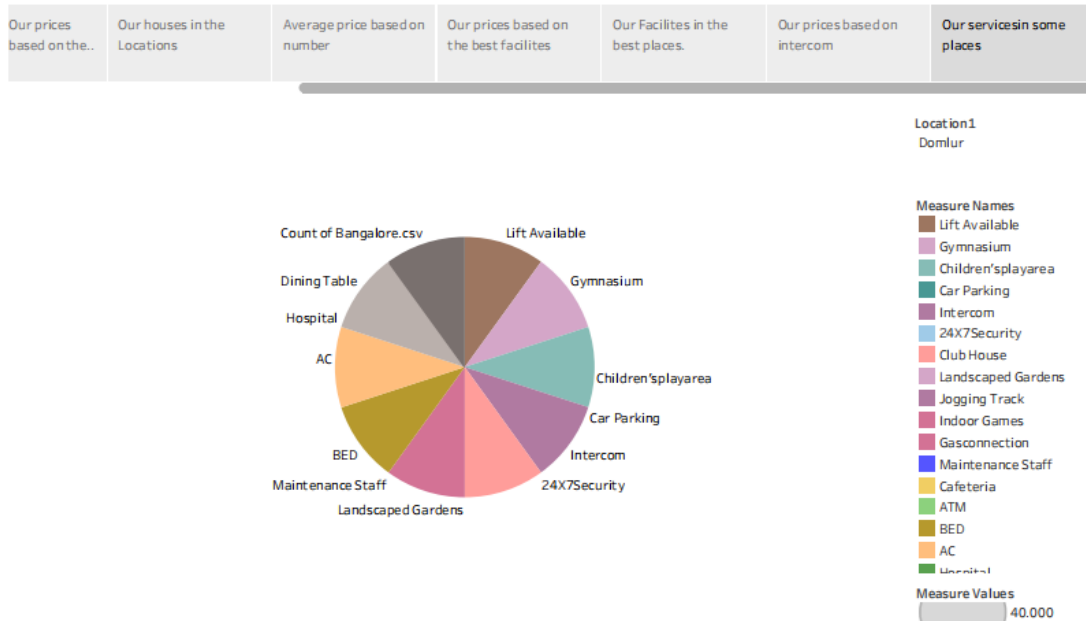
House price prediction in india



House price prediction in india



House price prediction in india



4. ADVANTAGES & DISADVANTAGES:

Advantages:

- ❖ you get everything at your footstep, starting from high speed internet latest fashion garments.
- ❖ Good transport facilities.
- ❖ Good academics.
- ❖ Help the developer determine the selling price of a house and can help the customer to arrange the right time to purchase a houses.

Disadvantages:

- ❖ With more people residing in these areas, the demand for housing and commercial properties tends to be considerably higher.
- ❖ You miss your tradition and culture.
- ❖ Safety for women, and children, is an issue.

- ❖ High level of pollution.

5. APPLICATIONS:

- ❖ Sustainable building practices and design can also help in achieving affordable housing in India. By using sustainable building practices and design, developers can reduce the cost of construction and also make the housing more energy efficient which can result in lower energy bills for the resident.
- ❖ Housing price prediction in a metropolitan city in India is a valuable solution for potential home buyers, and real estate agents, and investors. By leveraging historical sales data, property details and location-specific information, a predictive model can accurately estimate house prices.

6. CONCLUSION:

The housing crisis in cities poses significant challenges to individuals, communities, and the overall well-being of urban areas. By understanding the causes, consequences, and potential solutions to the housing crisis, policymakers, urban planners, and communities can work together to address this pressing issue. Implementing strategies such as affordable housing initiatives, zoning and land use policies, rent control, and collaborative partnerships can help create more equitable and sustainable housing options for all residents. It is through these collective efforts that cities can alleviate the housing crisis, ensuring that housing becomes a fundamental right and fostering inclusive and thriving urban environments.

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. According to industry veterans, 2023 will be a momentous year for the industry.
- ❖ While interest rates may come down in the future, property price will still rise, the increased value of the acquired property will compensate for a marginal percentage like, also most india don't want to buy first any house, in most cases they have already shortlisted most desirable option.