



PROJECT REPORT

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ANALYSING AND HOUSING PRICES

1)INTRODUCTION:

1.1.OVER VIEW

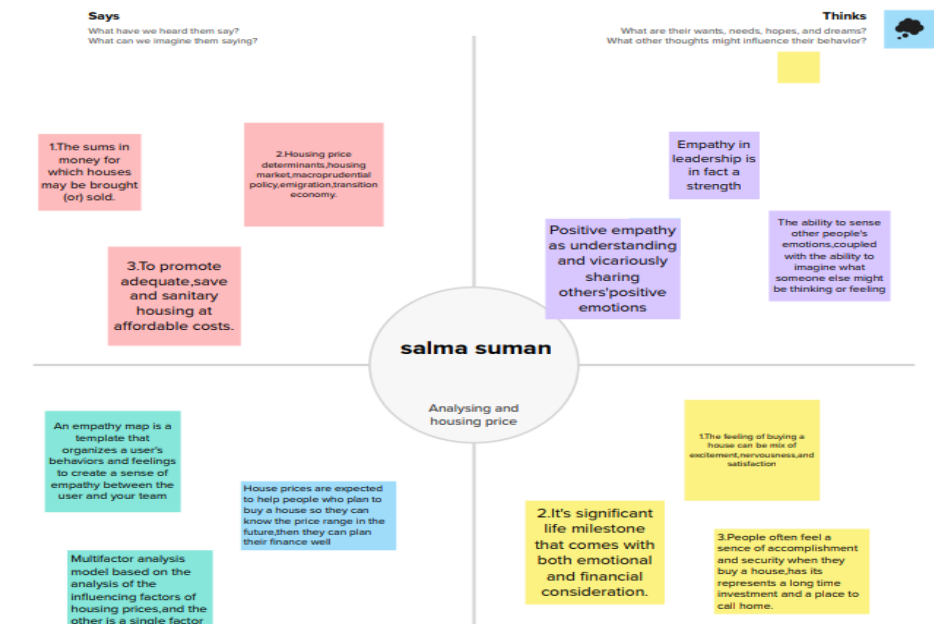
House price prediction in a metropolitan city in India is a valuable solution for potential home buyers, real estate agents, an investors.The prediction model provides reliable insights, empowering stakeholders to make informed decisions in the fast-paced real estate market.

1.2.PURPOSE

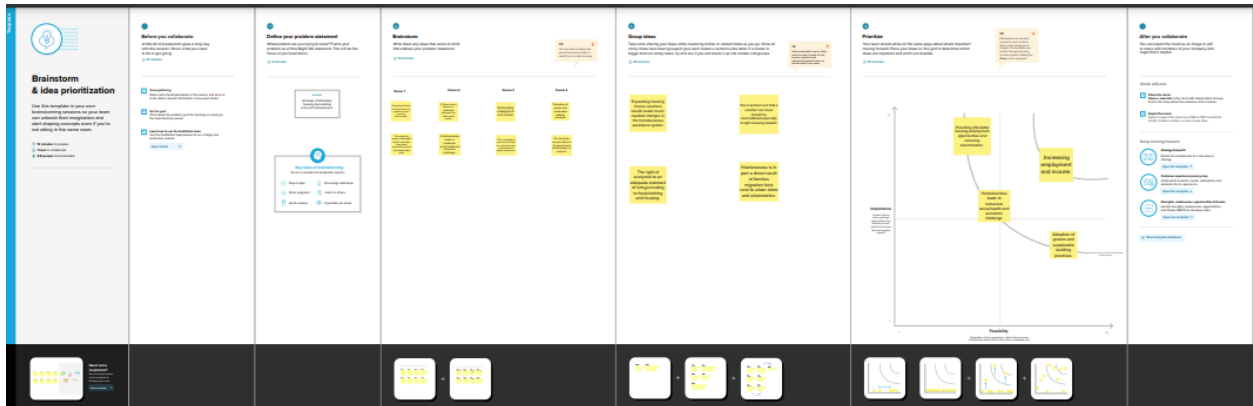
Housing price aims to increase transparency in the Indian real estate market and build trust among stakrholders.

2)PROBLEM DEFINITION AND DESIGN THINKING:

2.1.Empathy Map:



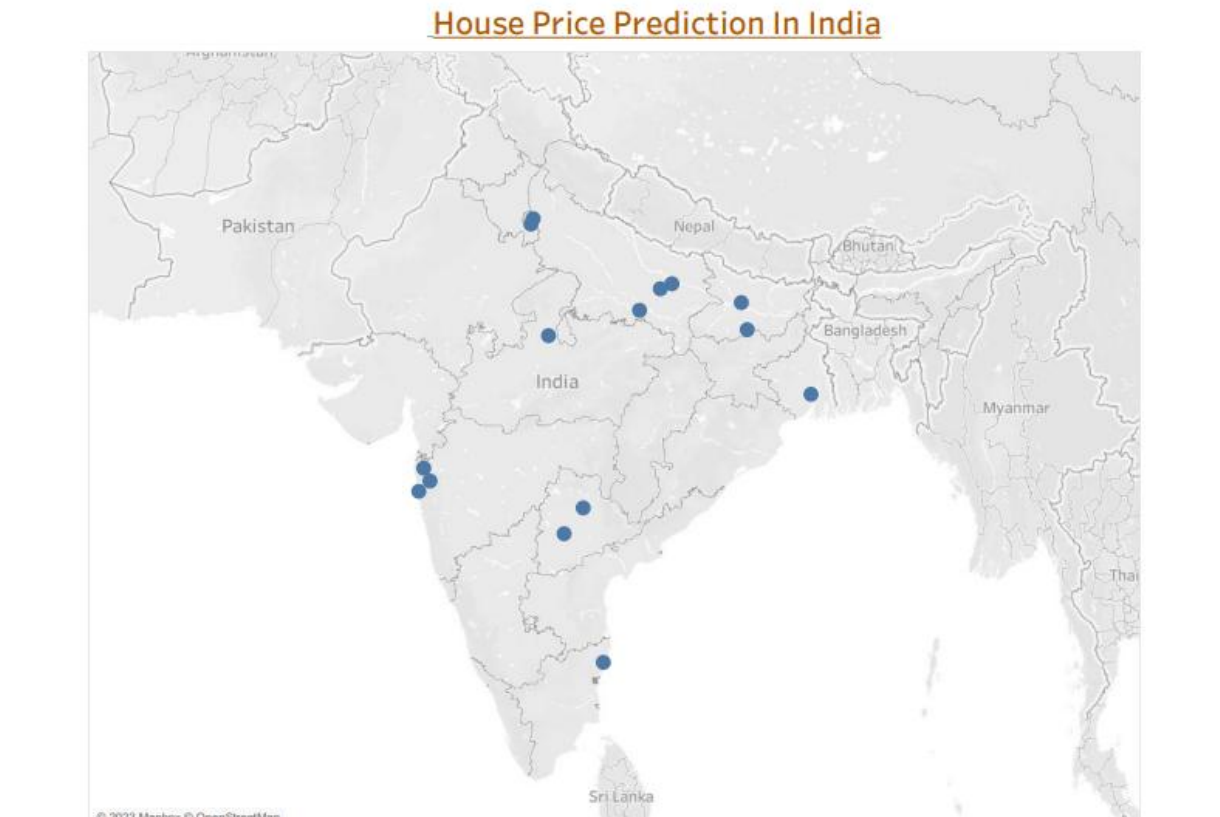
2.2)Brainstorming Map:



3) RESULT:

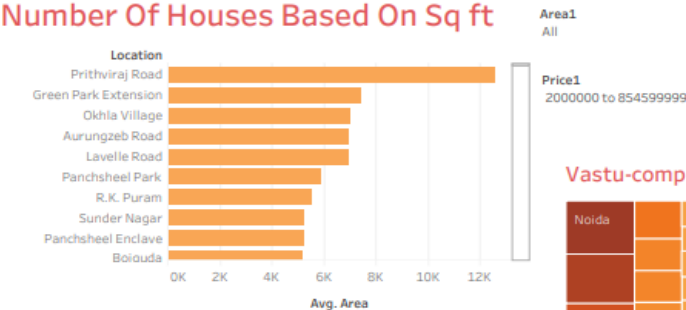
3.1) DASHBOARD :

DASHBOARD 1:

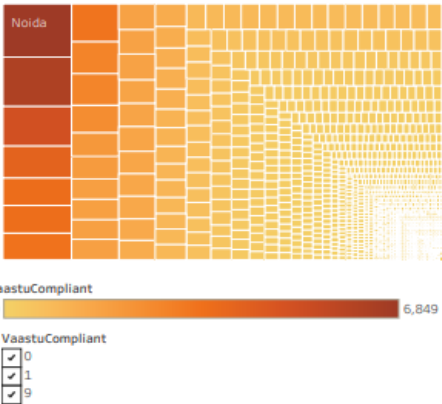


DASHBOARD 2:

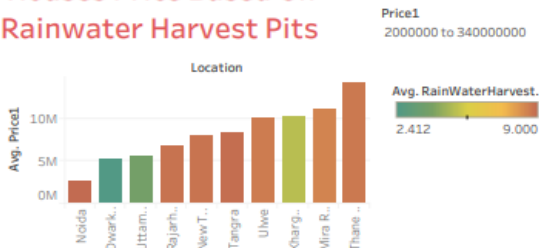
Number Of Houses Based On Sq ft



Vastu-complains Based On Location

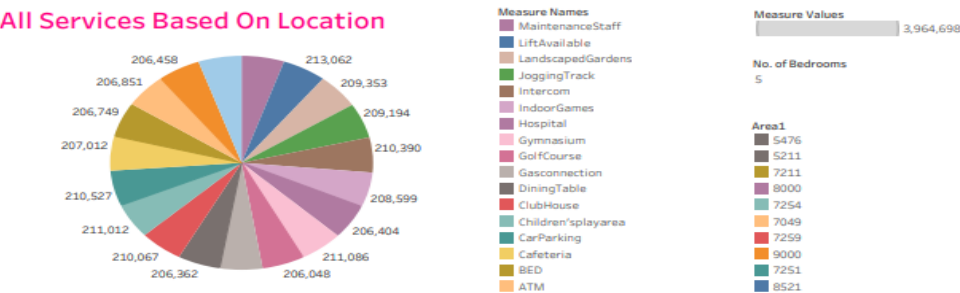


Houses Price Based On Rainwater Harvest Pits

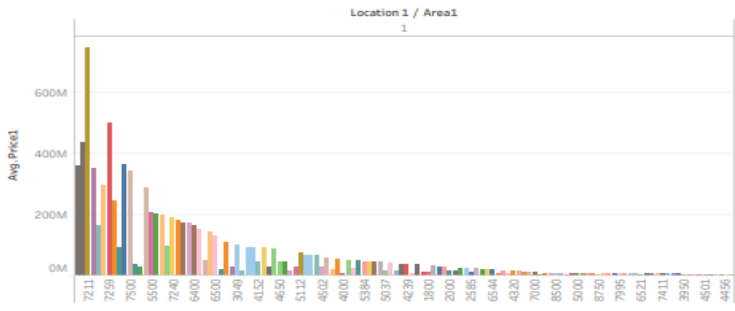


DASHBOARD 3:

All Services Based On Location

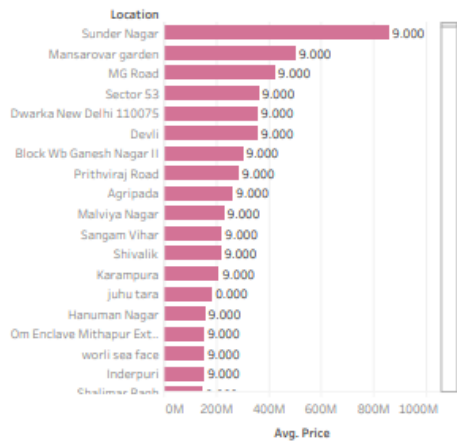


House Price Based On Number Of Bed rooms



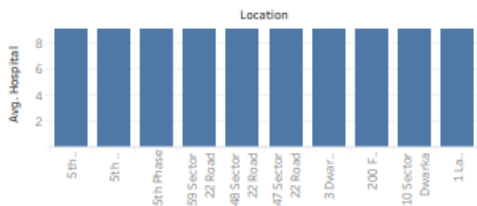
DASHBOARD 4:

House Price And Intercom

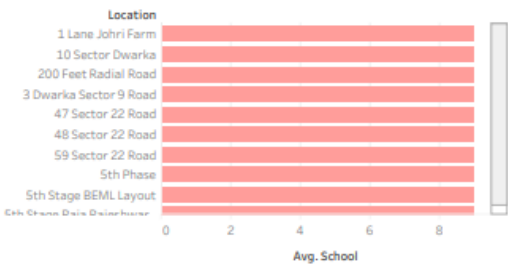


Intercom
0 to 9

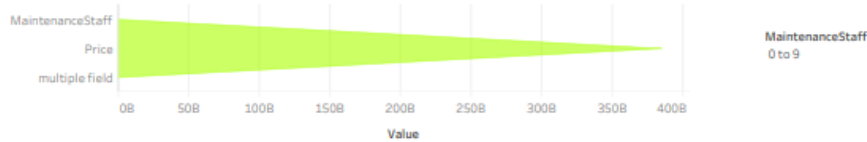
Hospital Near The Houses



Schools Near The Houses

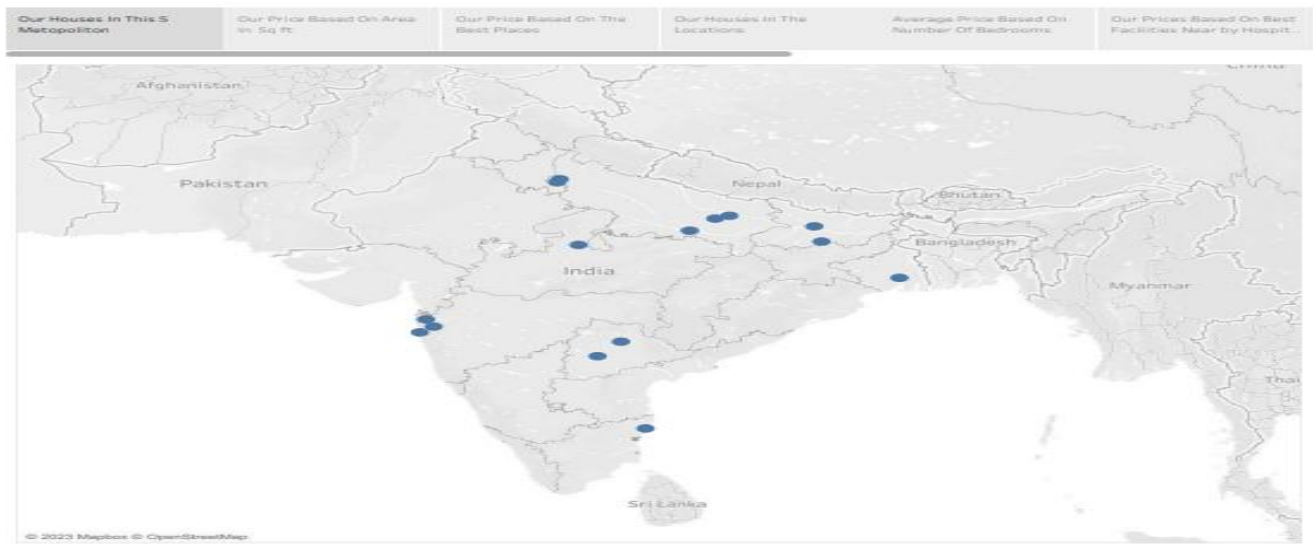


Maintains Staff In Houses Prices

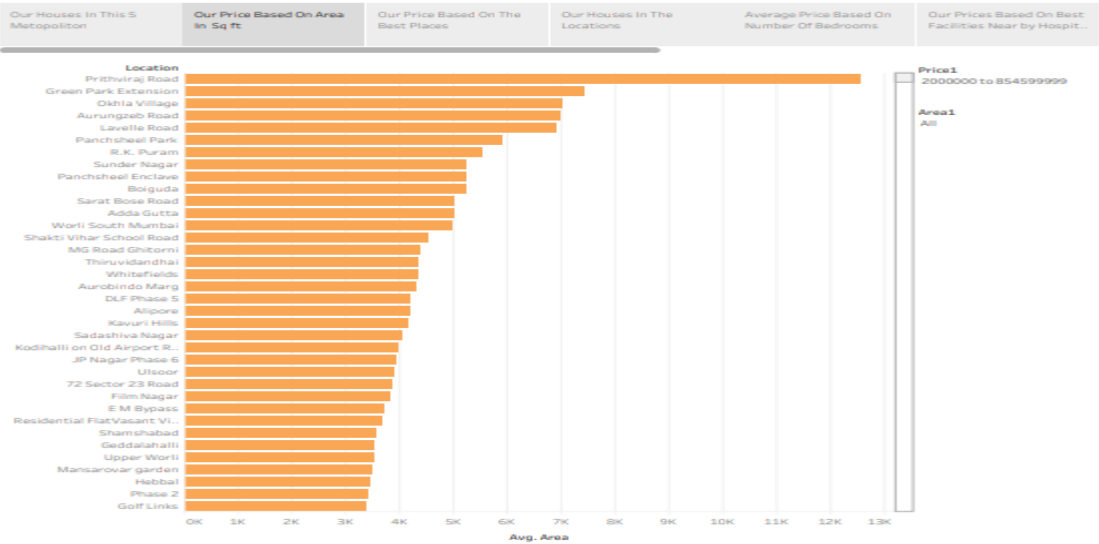


3.2) STORY:

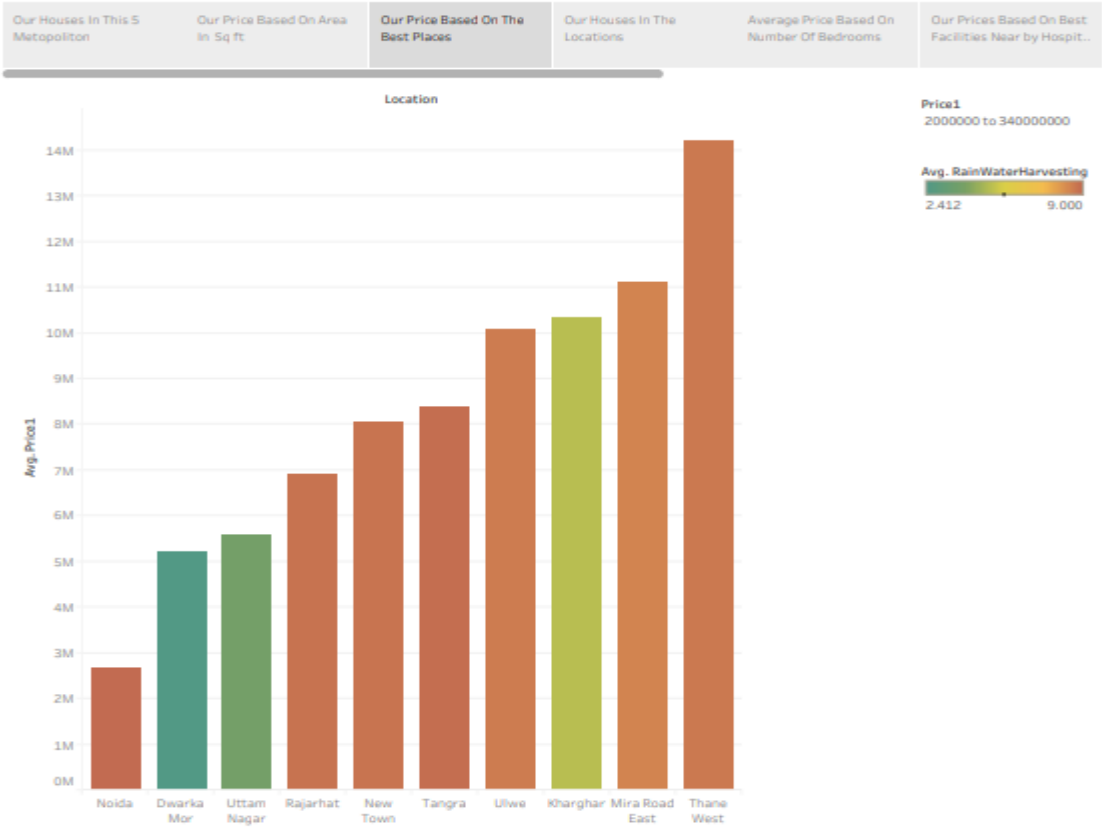
STORY 1:



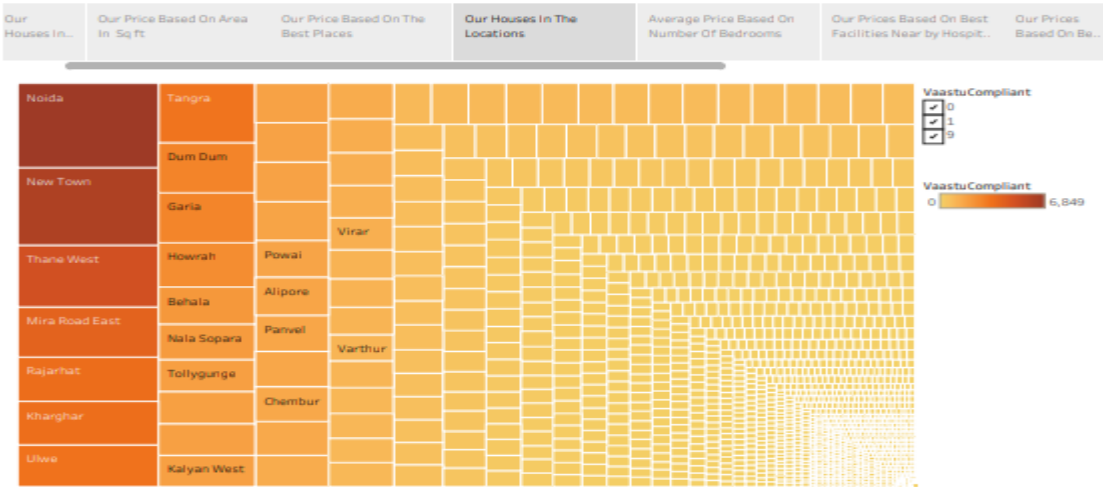
STORY 2:



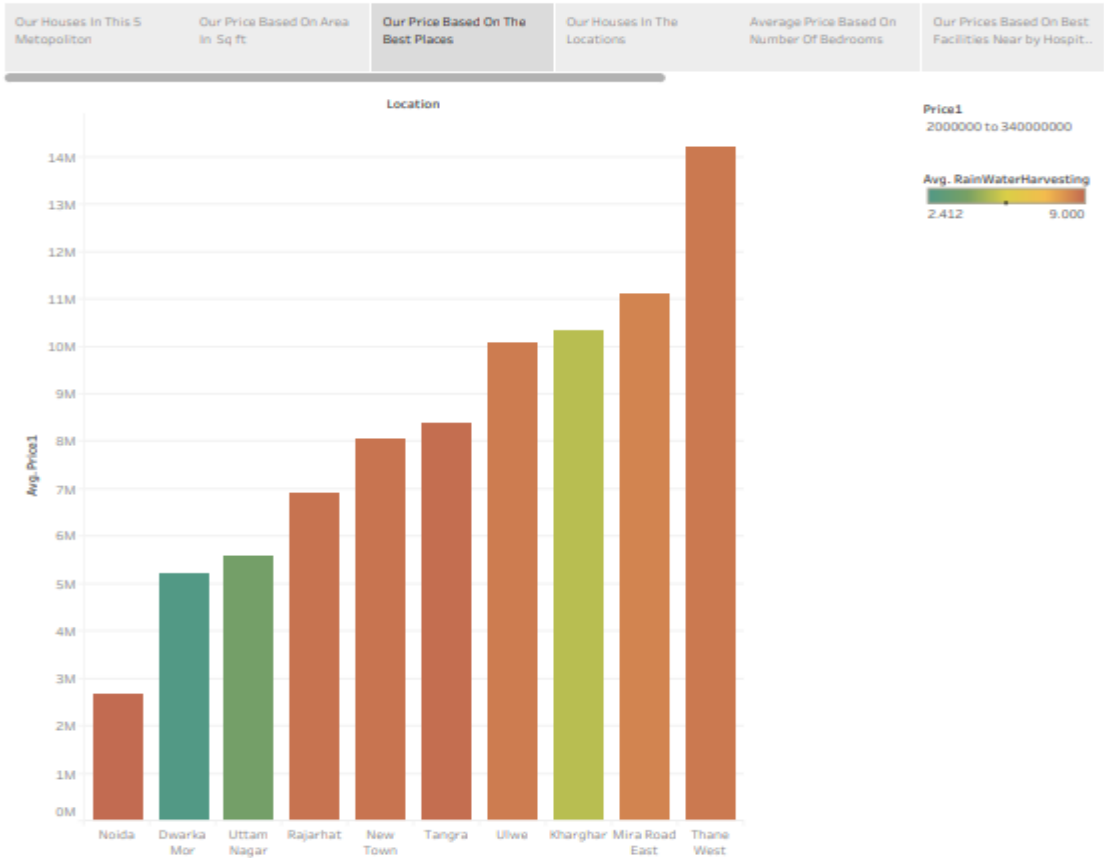
STORY 3:



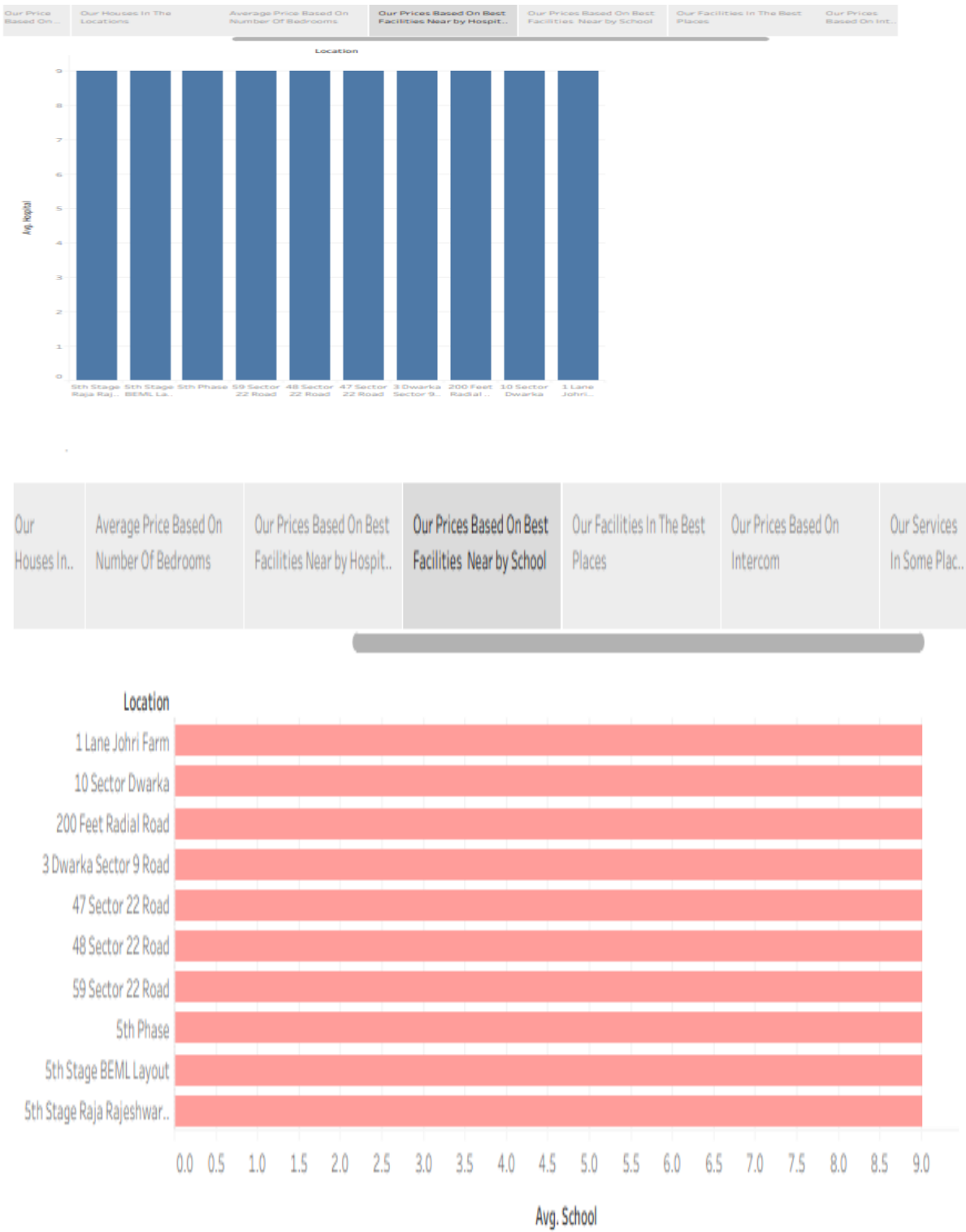
STORY 4:



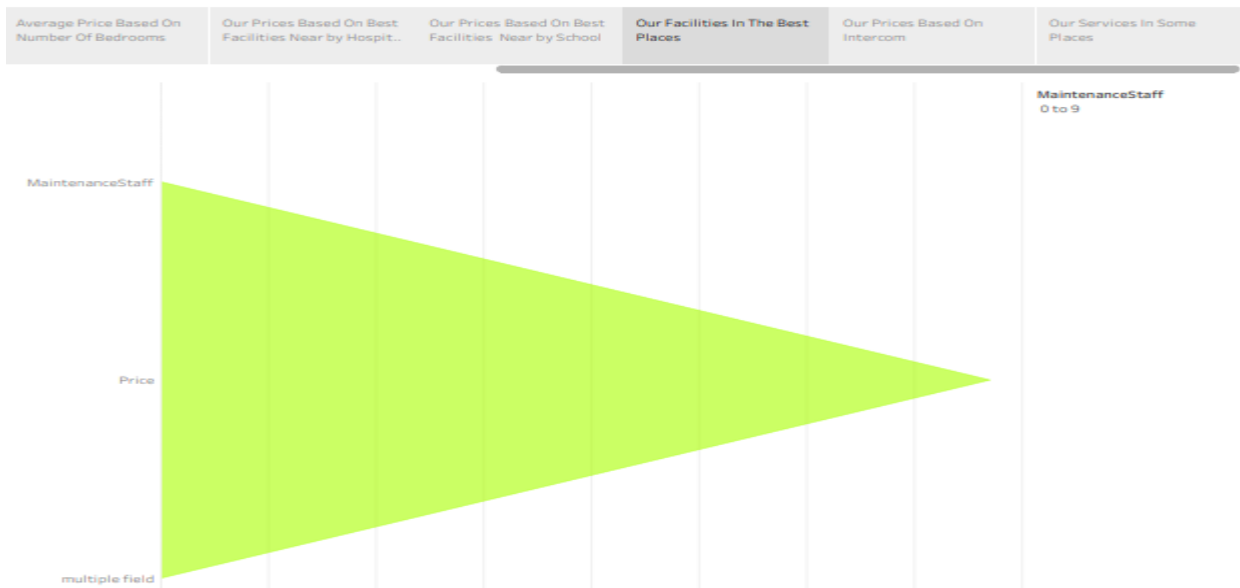
STORY 5:



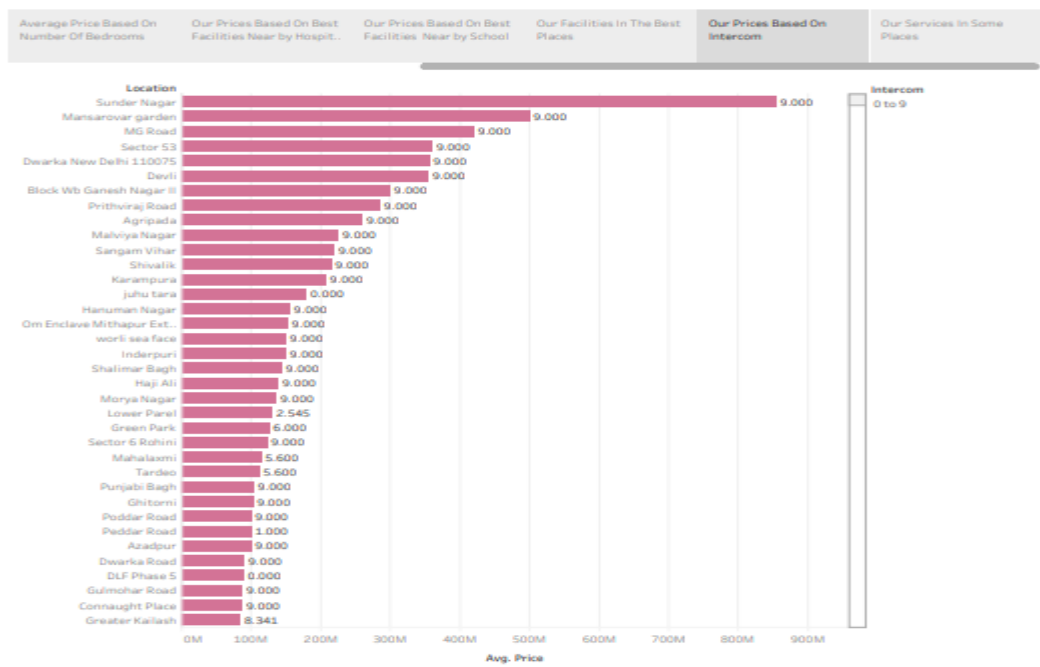
STORY 6:



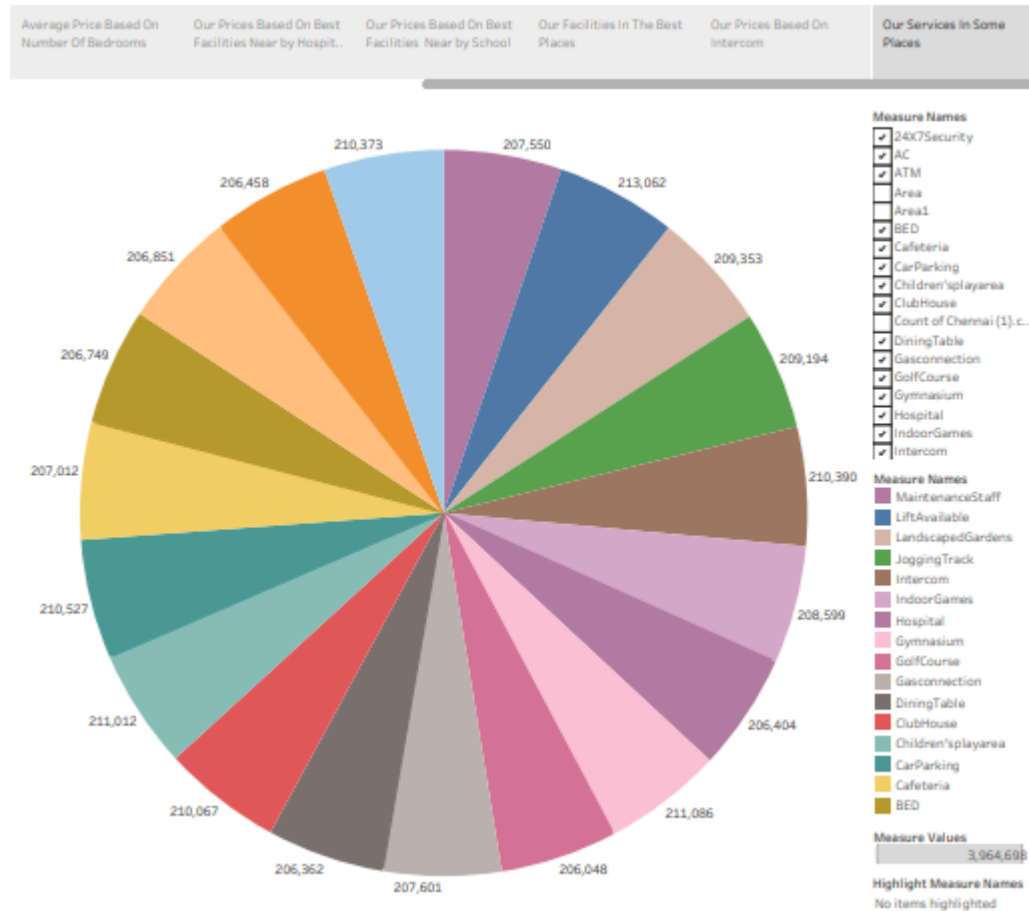
STORY 7:



STORY 8:



STORY 9:



4) ADVANTAGES AND DISADVANTAGES :

ADVANTAGES:

- **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.
- An increase in prices may lead to an improvement in the consumer confidence of home- owners which might then cause a rise in consumer spending.

- Householders can take equity withdrawal from the increased value of their house e.g. by re-mortgaging their property and releasing some of the housing equity.
- Increased prices and housing transactions generate tax revenues e.g. from stamp duty. This helps to reduce the size of the government's budget deficit. Stamp duty revenue was almost £13 billion in 2017-18.
- Higher prices may lead to an expansion of new house-building as construction companies have the incentive of making more profit. This adds directly to GDP and may stimulate a multiplier effect in local areas/ regions.

DISADVANTAGES:

- It doesn't predict future prices of the houses mentioned by the customer.
- Expensive property leads to an increase in rents because rented housing is a substitute for owner-occupation. This reduces geographical mobility.
- Rapid house price inflation leads to an unsustainable asset boom and bust which ultimately leads to macroeconomic instability.

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.

6) CONCLUSION:

From the training and testing of the dataset on the model, a strong deduction can be made that the model ANN works most effectively on the data producing lower levels of errors, and hence

we can conclude that deep learning techniques prove useful in the implementation and estimation of HOUSE PRICE PREDICTION.

7) FUTURE SCOPE:

- India's real estate sector is expected to expand to USD 5.8 trillion or USD 5,833 billion by 2047.
- This estimated real estate output value will contribute 15.5 percent to the total economic output in 2047 from an existing share of 7.3 percent, Naredco -Knight Frank said in a statement .