



ARULMIGU PALANIANDAVAR COLLEGE OF ARTS AND CULTURE, PALANI.

DEPARTMENT OF MATHEMATICS

COURSE NAME : DATA LITERACY WITH TABLEAU

PROJECT NAME : ANALYSING HOUSING PRICES IN
METROPOLITAN AREAS OF INDIA

TEAM MEMBERS :

Leader : P.KARTHI KEYAN

Members : R.MOHANRAJA
M.MANIKKAM
K.MANOJKUMAR

MENTOR :

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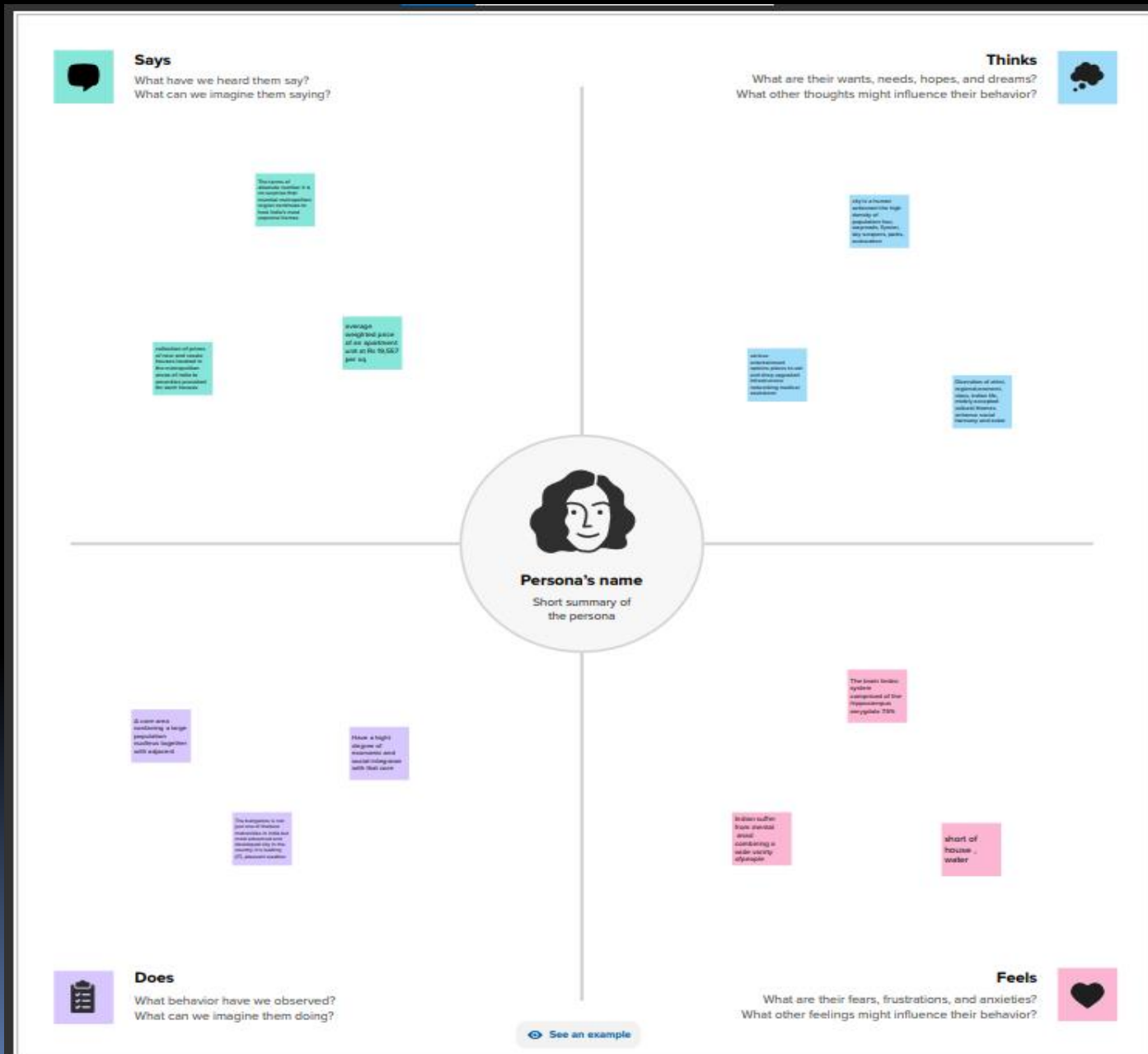
Introduction of Tableau Desktop:

- ❖ Tableau is a powerful tool used for data analysis and visualization.
- ❖ It allows the creation of amazing and
- ❖ Interactive visualization and that too without coding.
- ❖ It provides the features like cleaning,
- ❖ Organizing, and visualizing data.

Key Features of Tableau:

- Tableau Dashboard
- Collaboration & Sharing
- Live & In-memory Data
- Data sources
- Robust Security
- Mobile view

Empathy Map



Brainstorm Map



Brainstorm & idea prioritization

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

- 10 minutes to prepare
- 1 hour to collaborate
- 2-3 people recommended

0 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.

10 minutes

1 Team gathering

Before you start participating in the session and start ideas, share relevant information so you work about.

2 Set the goal

Keep describing problem you're focusing on solving in the brainstorming session.

3 Learn how to use the facilitator tools

Use the Facilitator Experiences to run a happy and productive session.

Open template

1 Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

10 minutes



Key rules of brainstorming

For an efficient and productive session

- Stay in topic
- Encourage wild ideas
- Avoid judgment
- Listen to others
- Go for volume
- It's possible for ideas

2 Brainstorm

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

10 minutes



Person 1	Person 2	Person 3	Person 4
1. I think we should...	2. I think we should...	3. I think we should...	4. I think we should...
5. I think we should...	6. I think we should...	7. I think we should...	8. I think we should...
9. I think we should...	10. I think we should...	11. I think we should...	12. I think we should...

Person 1	Person 2	Person 3	Person 4
1. I think we should...	2. I think we should...	3. I think we should...	4. I think we should...
5. I think we should...	6. I think we should...	7. I think we should...	8. I think we should...
9. I think we should...	10. I think we should...	11. I think we should...	12. I think we should...

3 Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence like 'What if...'. A cluster is bigger than six sticky notes, try and use it if you can break it up into smaller sub-groups.

10 minutes

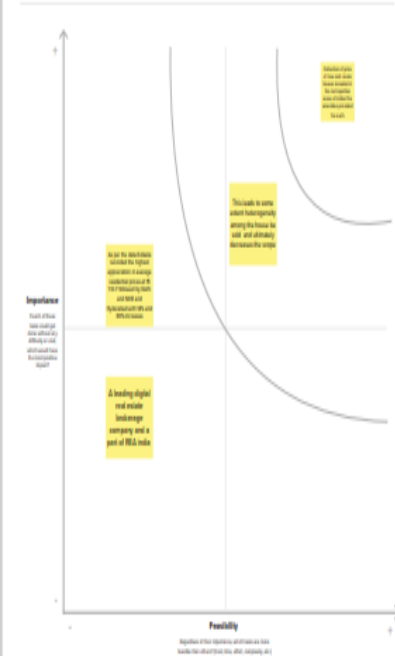


1. I think we should...	2. I think we should...	3. I think we should...	4. I think we should...	5. I think we should...	6. I think we should...	7. I think we should...	8. I think we should...	9. I think we should...	10. I think we should...	11. I think we should...	12. I think we should...	13. I think we should...	14. I think we should...	15. I think we should...	16. I think we should...	17. I think we should...	18. I think we should...	19. I think we should...	20. I think we should...	21. I think we should...	22. I think we should...	23. I think we should...	24. I think we should...	25. I think we should...	26. I think we should...	27. I think we should...	28. I think we should...	29. I think we should...	30. I think we should...
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4 Prioritize

You have shared all the ideas on the same page about which important meeting forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

10 minutes



5 After you collaborate

You can expect the result as an image or grid to share with members of your company who might find it helpful.

Quick add-ons

1 Share the mood

Share a sticky note to the mood with stakeholders to keep them in the loop about the session after session.

2 Report the mood

Report a sticky note to the mood as a PDF or PDF to report to stakeholders in order to share your ideas.

Keep moving forward

1 Share the mood

Share the components of a sticky note at meeting.

Open the template

2 Customer experience jumping map

Understand customer needs, motivations, and attitudes for an experience.

Open the template

3 Strengths, weaknesses, opportunities & threats

Identify strengths, weaknesses, opportunities, and threats (SWOT) for meeting your goals.

Open the template

Open the template



Next steps:
1. Share the mood
2. Report the mood
3. Keep moving forward

Open template



Dashboard 1

Map showing the houses in various metropolitan city



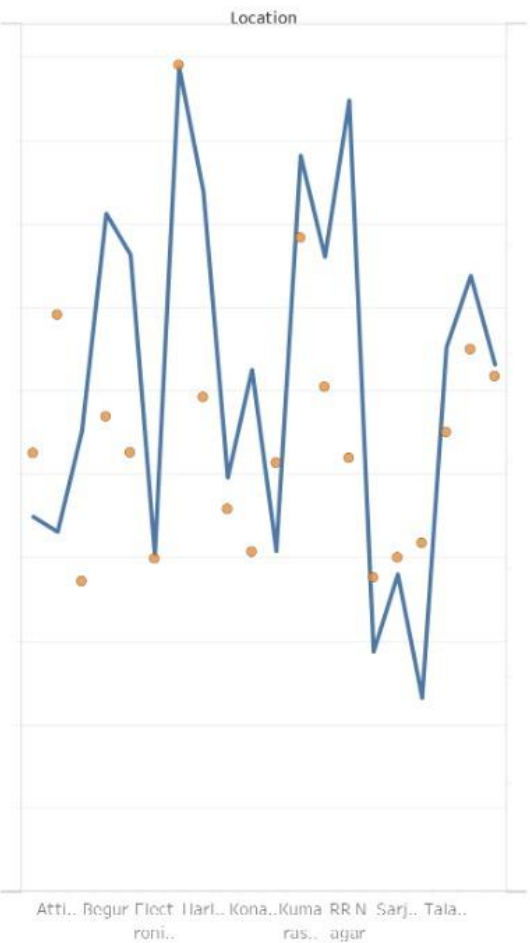
Next ..

Dashboard 2

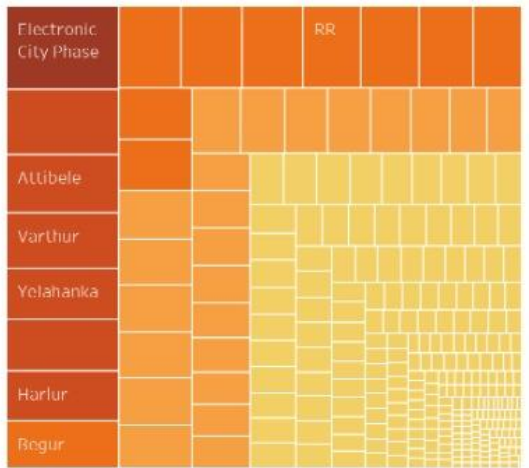
Bar Graph Showing Prices as Various Locations



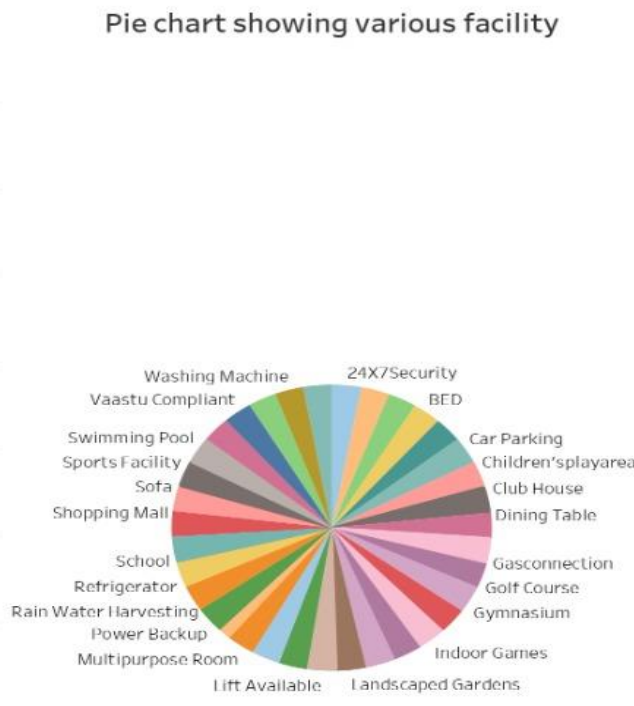
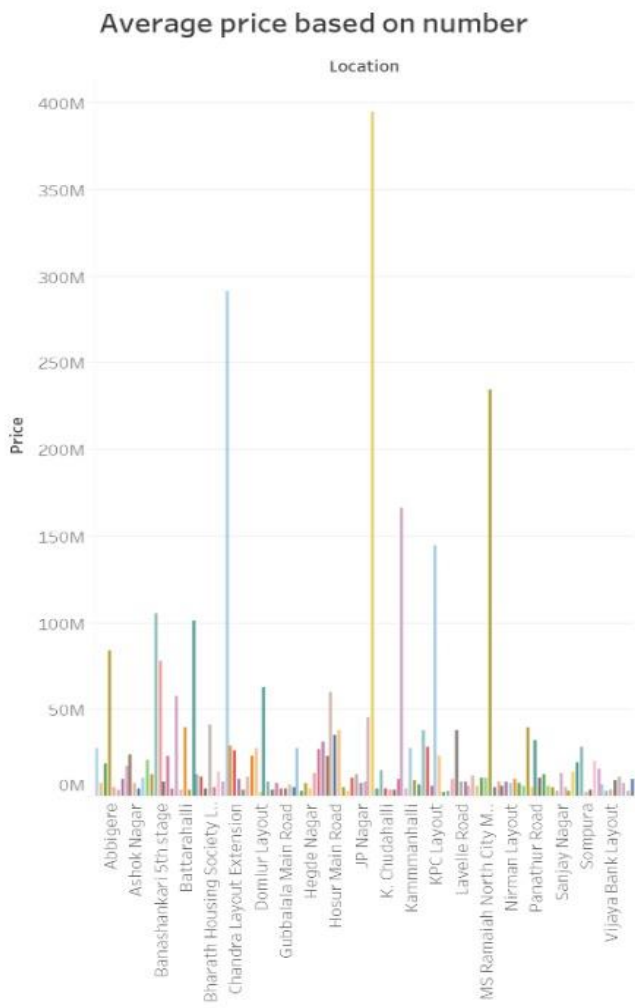
Combined line and location graph showing price and rain water harvesting



Tree Maps showing vastu complaints



Dashboard 3



No. of Bedro..
1 to 7

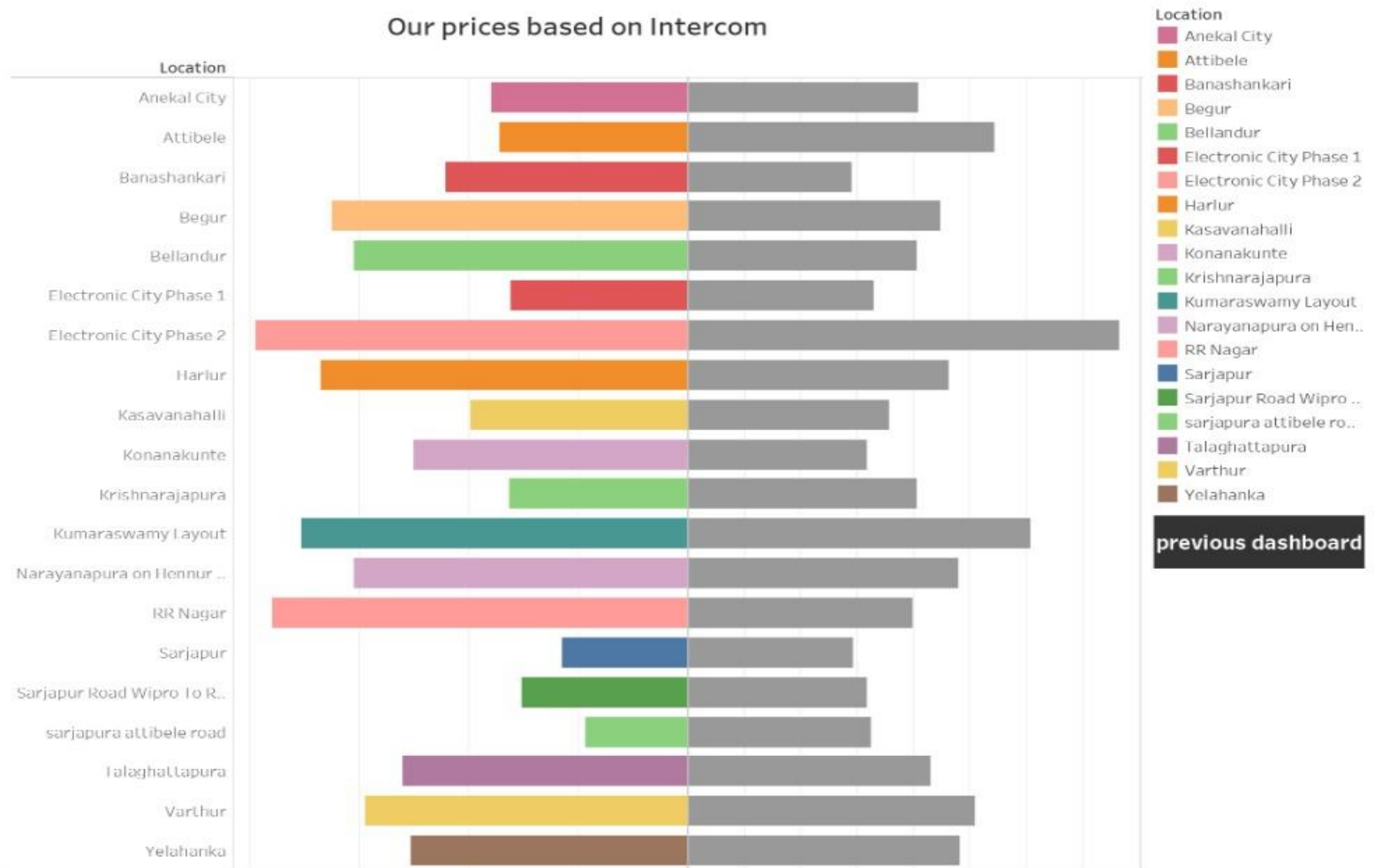
- Location
- 5th Stag..
 - 6th pha..
 - 7th Pha..
 - Abbigere
 - Amruth..
 - Ananth ..
 - Anjanap..
 - Annapur..
 - Armane ..
 - Ashok N..
 - Ashoka ..
 - Ashwat..
 - Babusa..
 - Badama..

previous ..

- Measure Na..
- 24X/Sec..
 - AC
 - ATM
 - BED
 - Cafeteria
 - Car Park..
 - Children..
 - Club Ho..
 - Dining I..
 - Gasconn..
 - Golf Cou..
 - Gymnas..
 - Hospital
 - Indoor G..

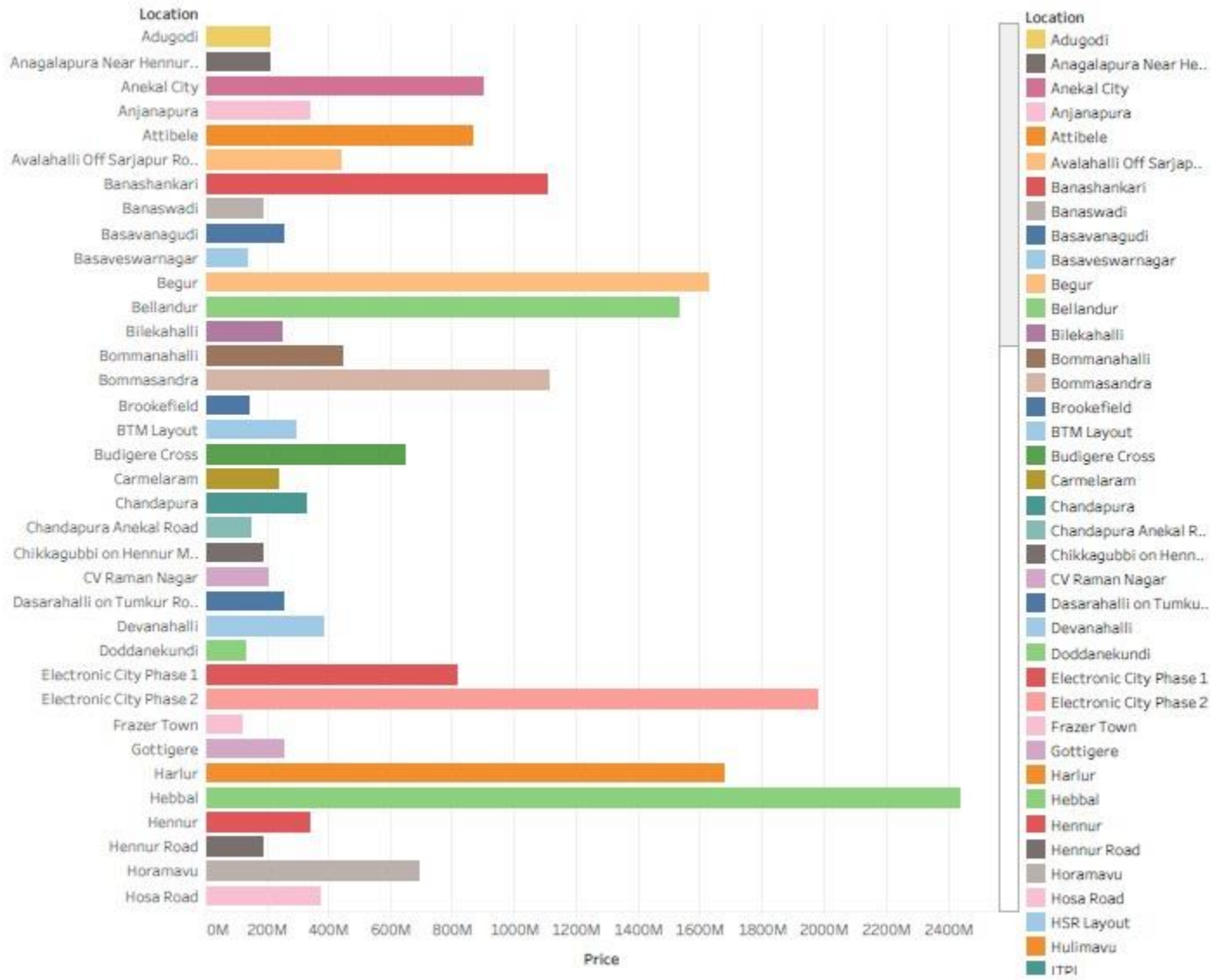
Measure Val..
1,344,6..

Dashboard 4



Story

Bar Graph showing prices as various locations	Tree Maps showing vastu complaints	Average price based on Number	Our price based on facilities	Our price based on Intercom	Pie chart showing various facility	
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Story

Story 1

Bar Graph showing prices as various locations	Tree Maps showing vastu complaints	Average price based on Number	Our price based on facilities	Our price based on Intercom	Pie chart showing various facility	
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Story

Bar Graph showing prices as various locations

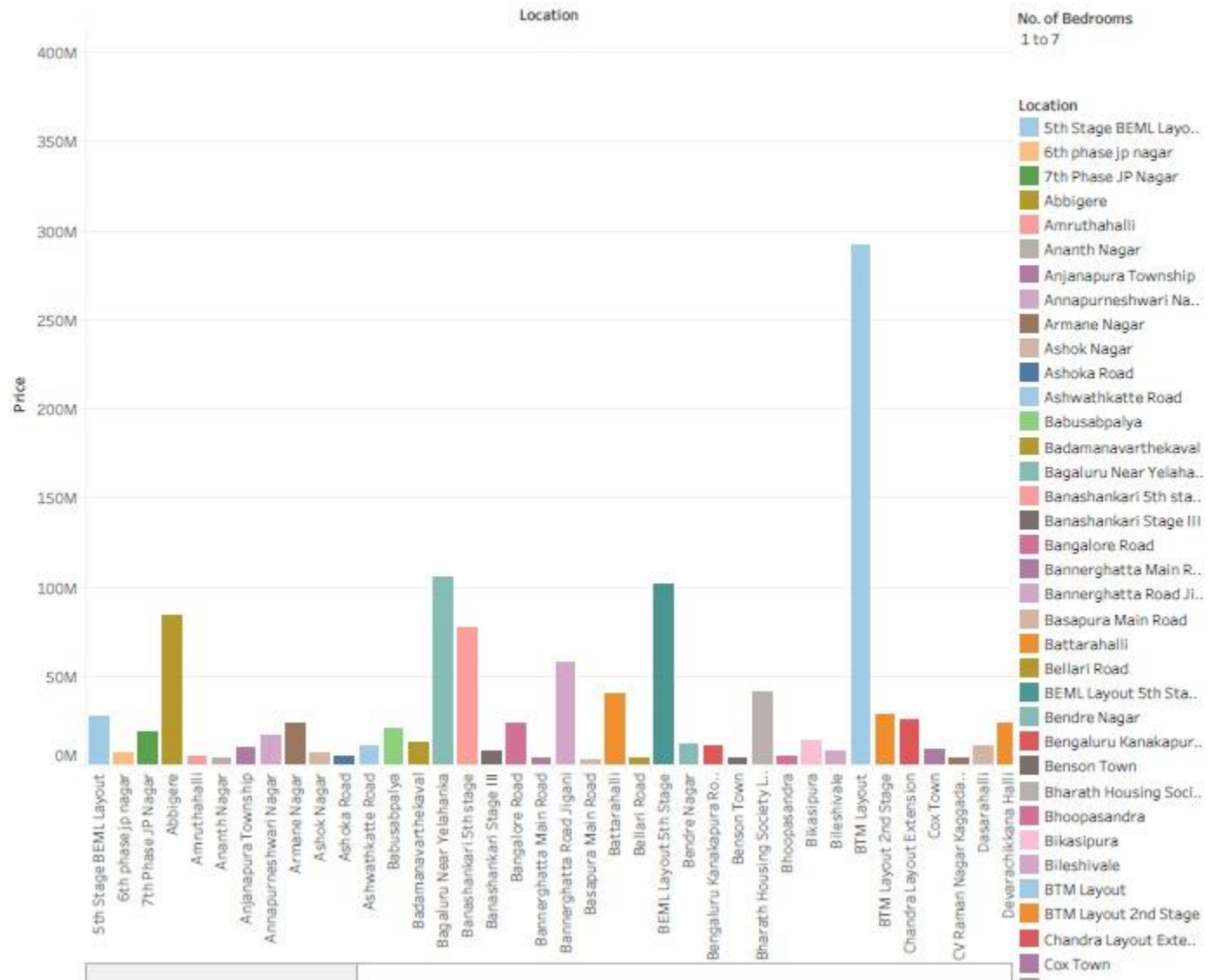
Tree Maps showing vastu complaints

Average price based on Number

Our price based on facilities

Our price based on Intercom

Pie chart showing various facility



Story

Story 1

Bar Graph
showing prices as
various locations

Tree Maps showing
vastu complaints

Average price based on
Number

Our price based on
facilities

Our price based on
Intercom

Pie chart showing
various facility



Measure Names

Hospital

Hospital

38,415

Story 1



Story

Story 1

Bar Graph showing prices as var...

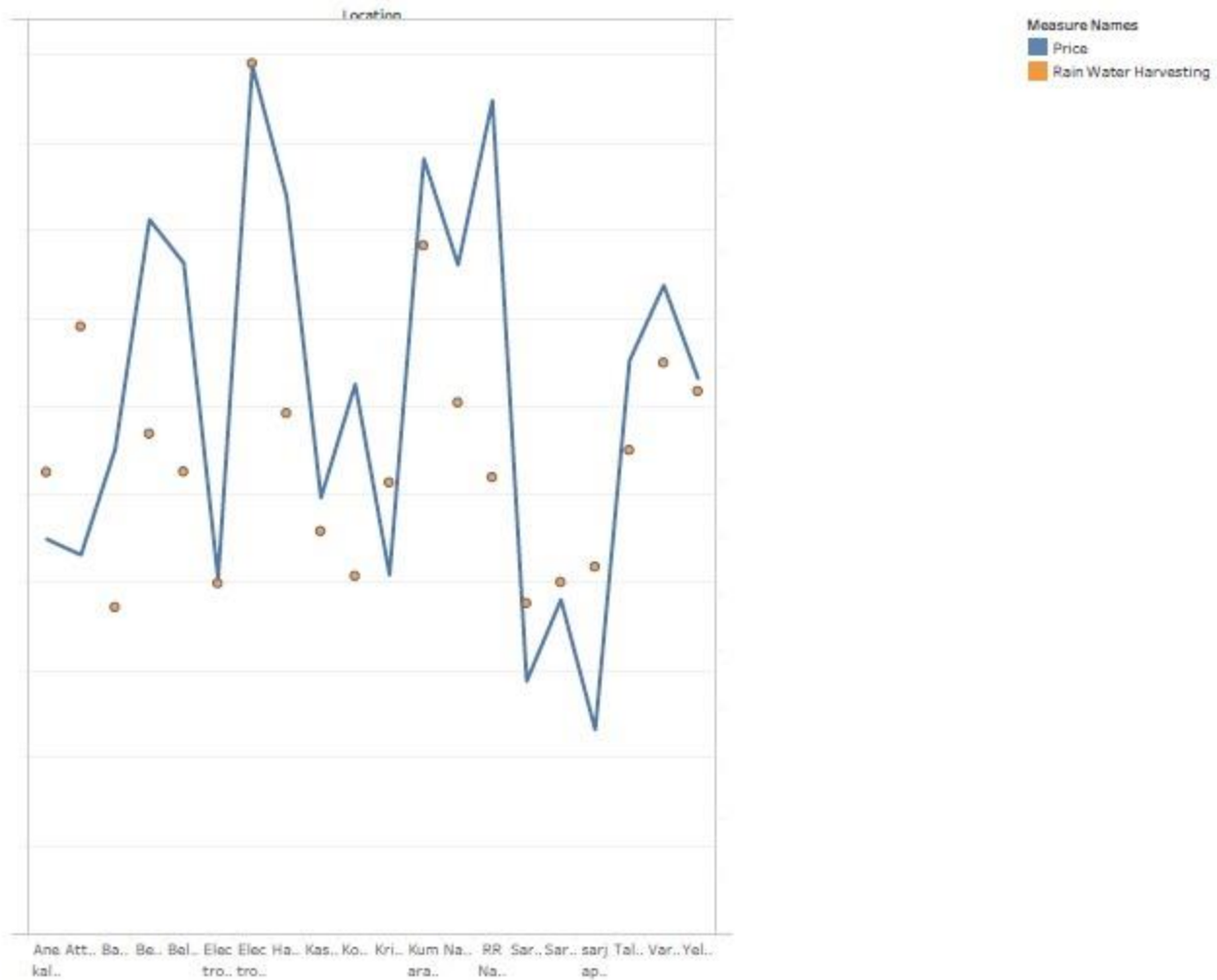
Tree Maps showing vastu complaints

Average price based on Number

Our price based on facilities

Our price based on Intercom

Pie chart showing various facility



Story

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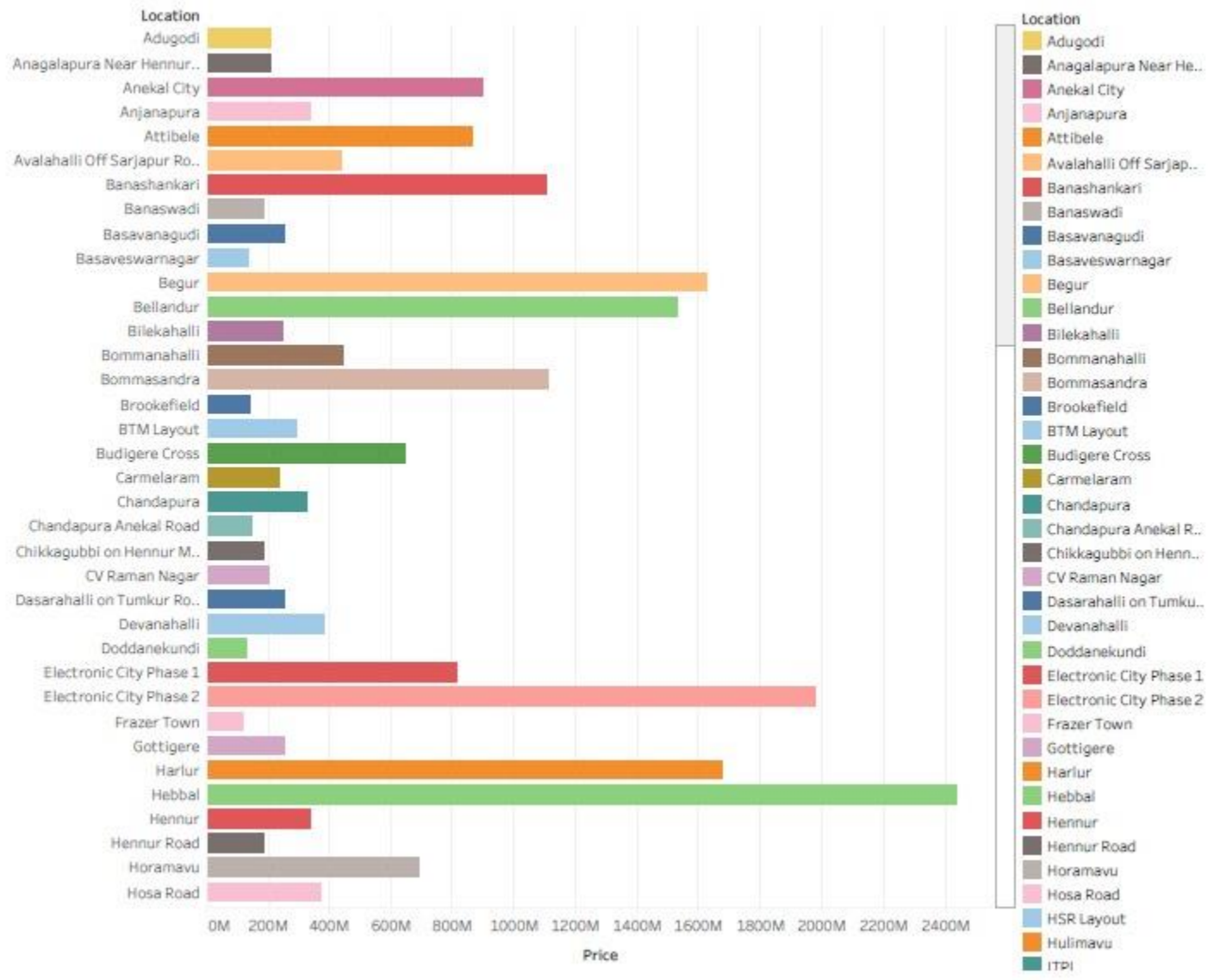




TABLEAU PUBLIC LINK:

<https://public.tableau.com/app/profile/karthi.keyan.p/vizzes>



CONCLUSION:

- Tableau is an excellent program to simplify all your data visualization activities and provide better and more accurate analysis if you've ever tried data visualization and found it tough to grasp or too complex.

*Thank
you!*

