DATA LITERACY WITH TABLEAU

Analysing_Housing_Prices_In_Metropolitan_Areas Of_India

A

Project report

Submitted to

Alagappa University,Karaikudi

Through

Smart Internz

Under

நான் முதல்வன்

Naan Mudhalvan Scheme

Submitted By

P.MOHAN BABU (Team Leader),

R.KAVIESWARAN

P.KAVIKUMAR

III B.Sc.Physics

PG DEPARTMENT OF PHYSICS

SETHUPATHY GOVERNMENT ARTS COLLEGE

RAMANATHAPURAM

- INTRODUTION

  1.1 Overview

To analyze captivating realm of india's agricultural cultivation,providing a comprehensive visual exploration of key aspects and trends in the agricultural sector.Through the visual representations,readers can gain valuable insights into crop production,seasonal variations,regional distribution,and overall production trends.These visualizations enable intuitive analysis,allowing stakeholders to uncover patterns, identify areas of growth or concern,and make data-driven decisions.

The agriculture sector employs nearly half of the workforce in the country. However, it contributes to 17.5% of the GDP (at current prices in 2015-16).

- Purpose

  India's production of food grains has been increasing every year, and India is among the top producers of several crops such as wheat, rice,pulses, sugarcane and cotton. It is the highest producer of milk and second highest producer of fruits and vegetables. In 2013, India contributed 25% to the world's pulses production, the highest for any one country, 22% to the rice production and 13% to the wheat production. It also accounted for about 25% of the total quantity of cotton produced,besides being the second highest exporter of cotton for the past several years.

  Agriculture analysis is a very important aspect to crop growing. To increase quality and yields, it is crucial to understand the current nutrient levels of the soil to be able to ascertain which areas require improvement

- Problem Definition & Design Thinking

  The team members ideas are grouped by Empathy Map and Ideation & Brainstorming Map using app. mural.co

Here we done the following

Defining the problem

Problem understanding

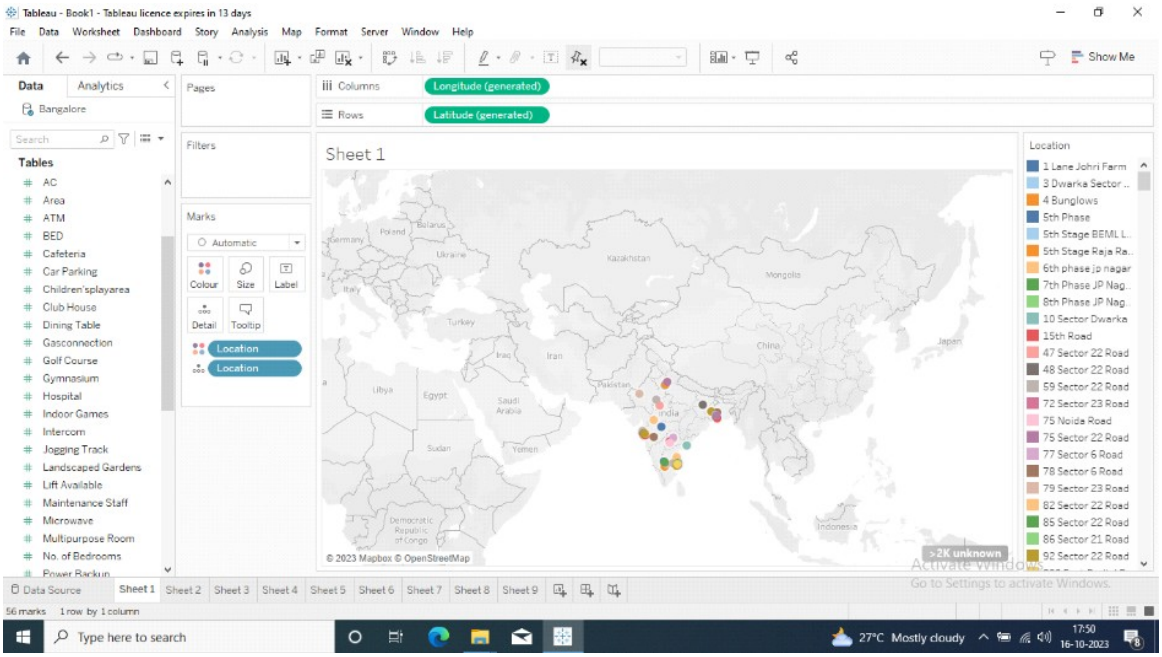
Specification of the business poblem

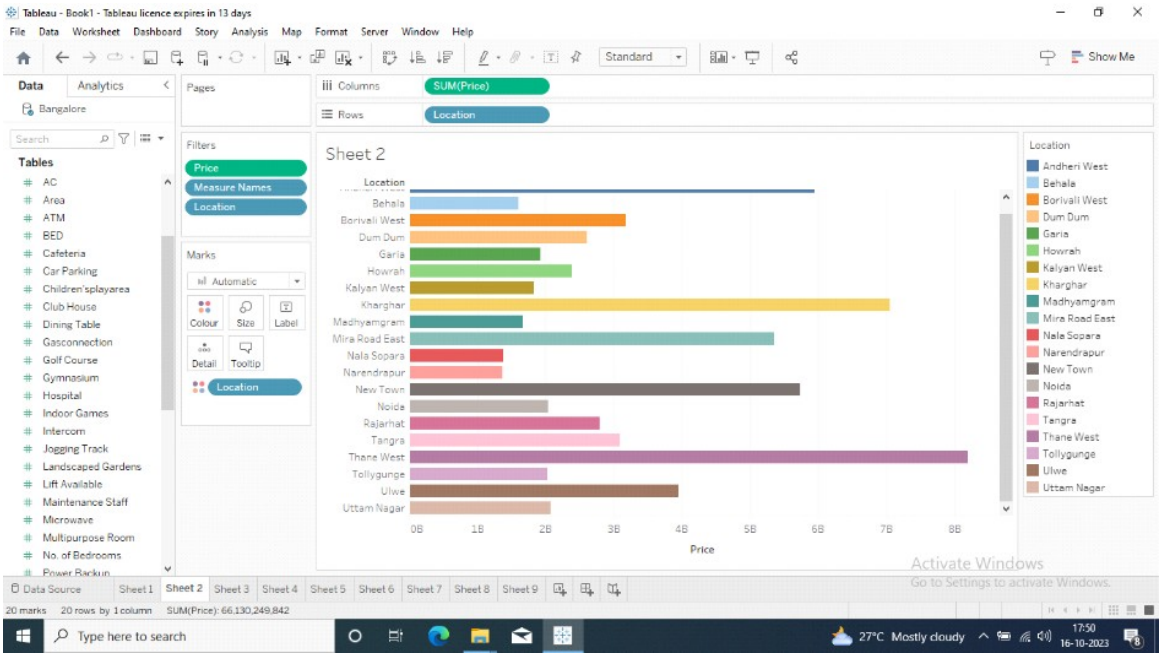
- RESULT

One of the main advantages of Tableau is its easy to use. We don't need to have any coding or programming skills to create stunning and informative dashboards, chartsmaps,and stories with Tableau. You can simply drag and drop data sources, fields,filters,and visual elements to customize your views and analysis. Once you have created views on different sheets in Tableau, you can full them into a dashboard

These are screenshots of our project work

Screenshots of sheets





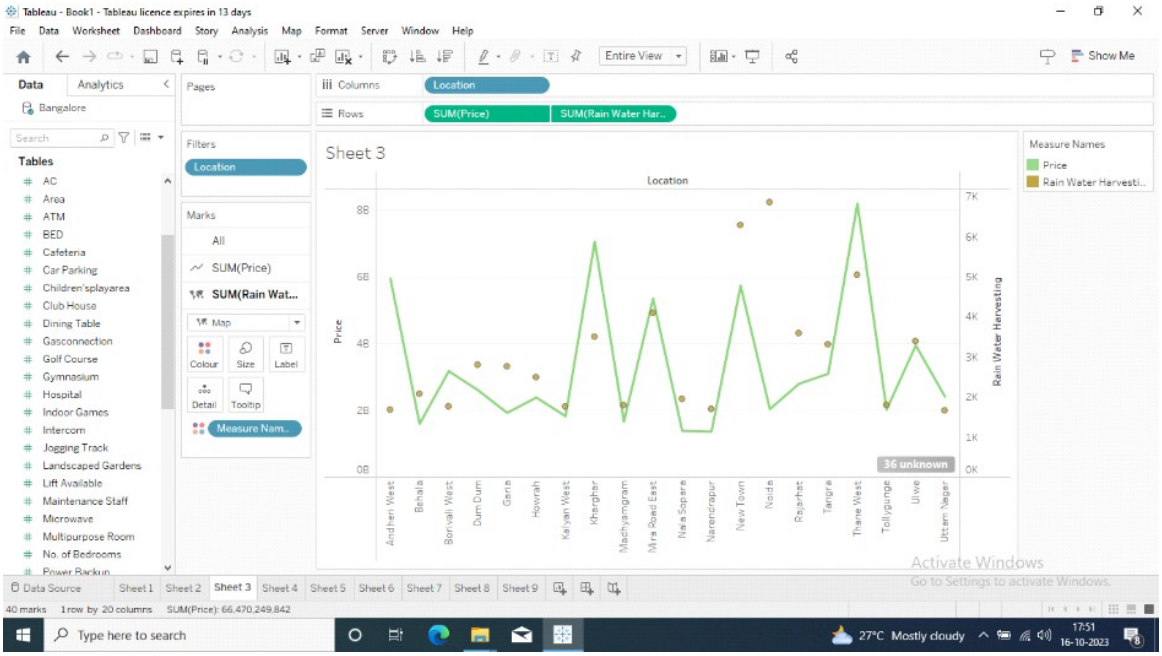


Tableau - Book1 - Tableau licence expires in 13 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Data Analytics
Bangalore
Tables
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Cafeteria
Car Parking
Children'splayarea
Club House
Dining Table
Gasconnection
Golf Course
Gymnasium
Hospital
Indoor Games
Intercom
Jogging Track
Landscaped Gardens
Lift Available
Maintenance Staff
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Multipurpose Room
No. of Bedrooms
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Measure Names
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Activate Windows
Go to Settings to activate Windows.
Data Source
Sheet 1
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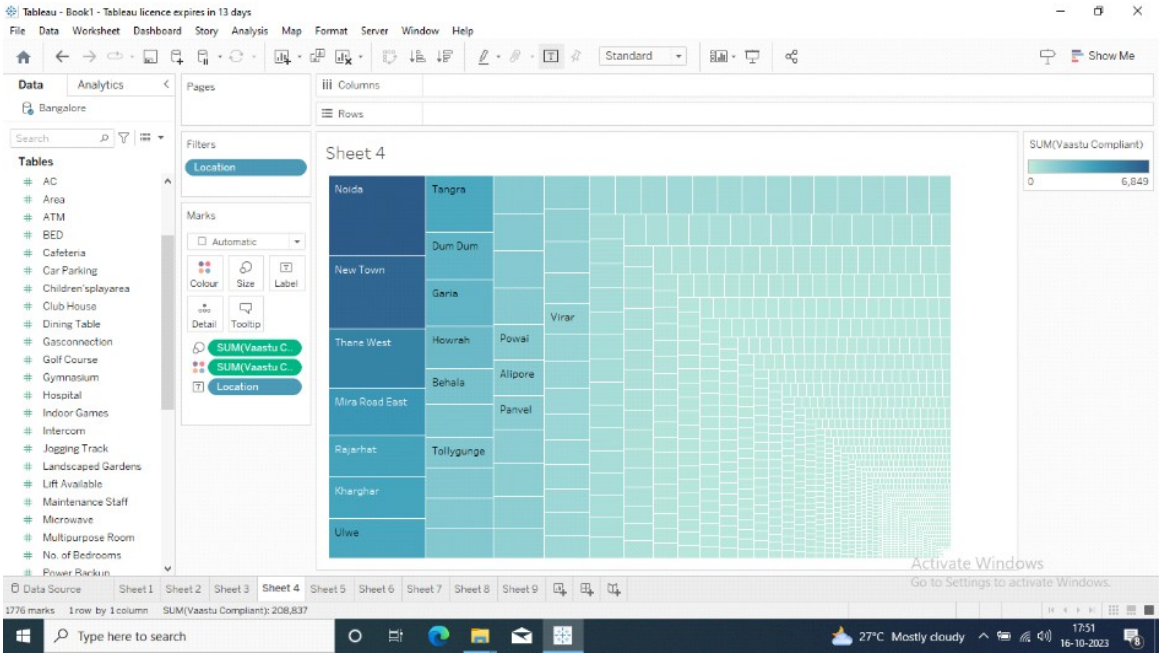
40 marks
1 row by 20 columns
SUM(Price): 66,470,249,842
Type here to search
27°C Mostly cloudy
17:51
16-10-2023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File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
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Gymnasium
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Mira Road East
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Tollygunge
Kharghar
Ulwe
Powai
Alipore
Panvel
Virar
SUM(Vaastu Compliant)
0
6,849
Activate Windows
Go to Settings to activate Windows.
Data Source
Sheet 1
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1776 marks
1 row by 1 column
SUM(Vaastu Compliant): 208,837
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27°C Mostly cloudy
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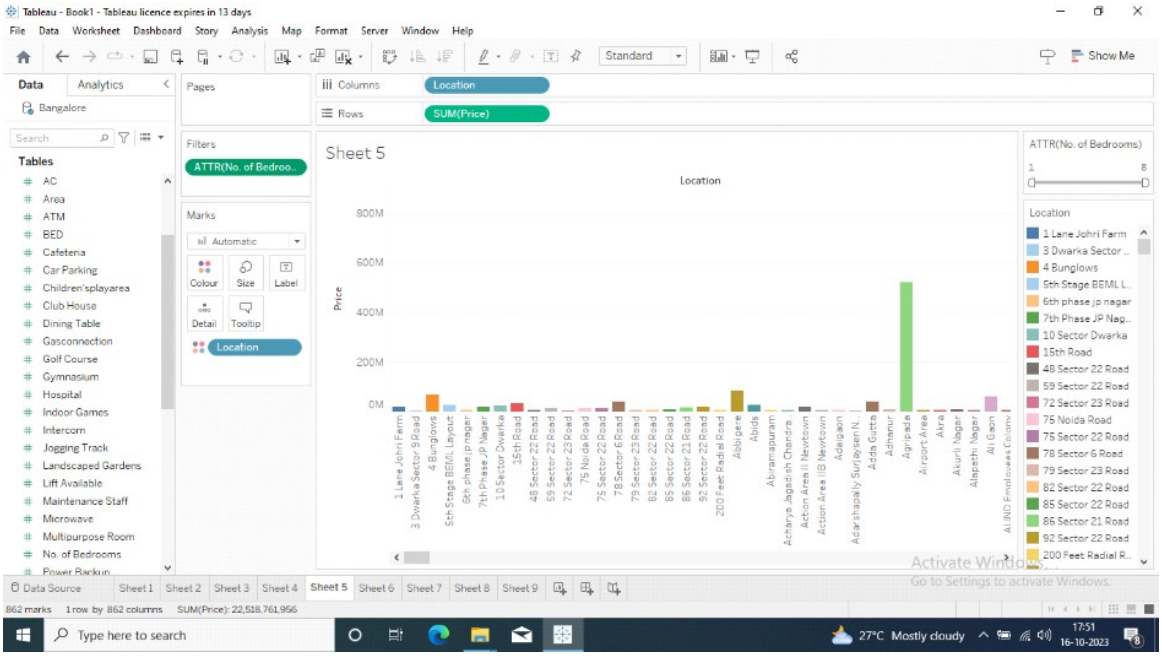
16-10-2023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7th Phase JP Nag..
10 Sector Dwarka
15th Road
48 Sector 22 Road
59 Sector 22 Road
72 Sector 23 Road
75 Noida Road
75 Sector 22 Road
78 Sector 6 Road
79 Sector 23 Road
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86 Sector 21 Road
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Data Source
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862 marks 1 row by 862 columns SUM(Price): 22,518,761,956
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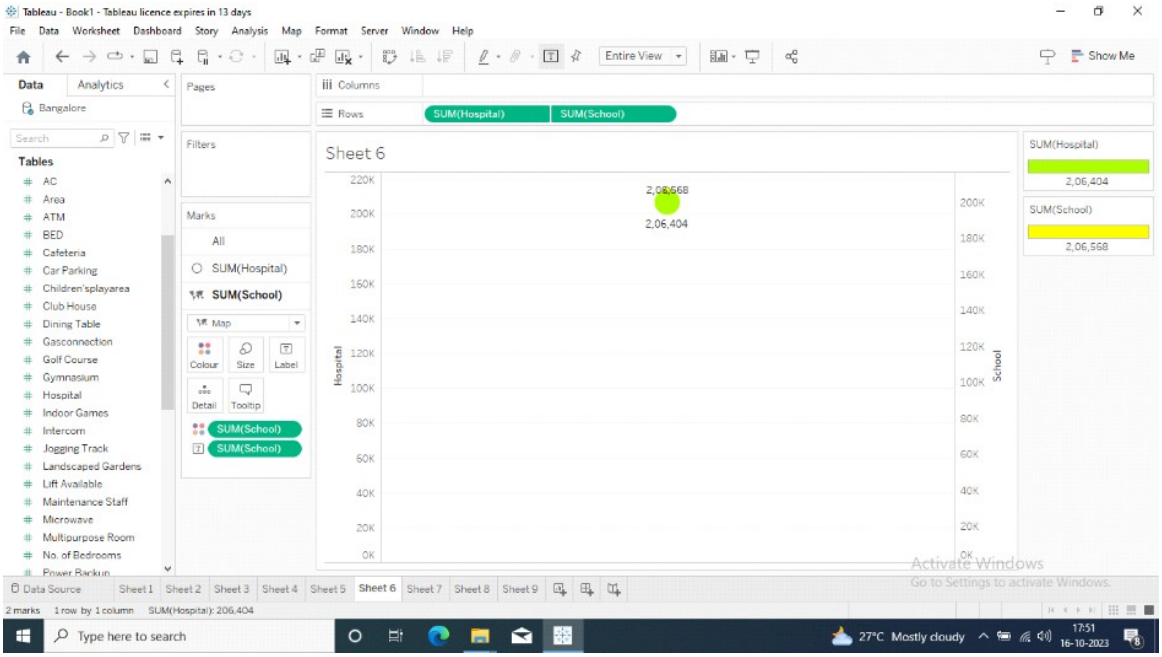
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Golf Course
Gymnasium
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Indoor Games
Intercom
Jogging Track
Landscaped Gardens
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Maintenance Staff
Microwave
Multipurpose Room
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SUM(Hospital)
SUM(School)
Sheet 6
Hospital
School
2,06,568
2,06,404
SUM(Hospital)
2,06,404
SUM(School)
2,06,568
Data Source
Sheet 1
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Sheet 3
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Sheet 6
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Sheet 9
2 marks 1 row by 1 column SUM(Hospital): 206,404
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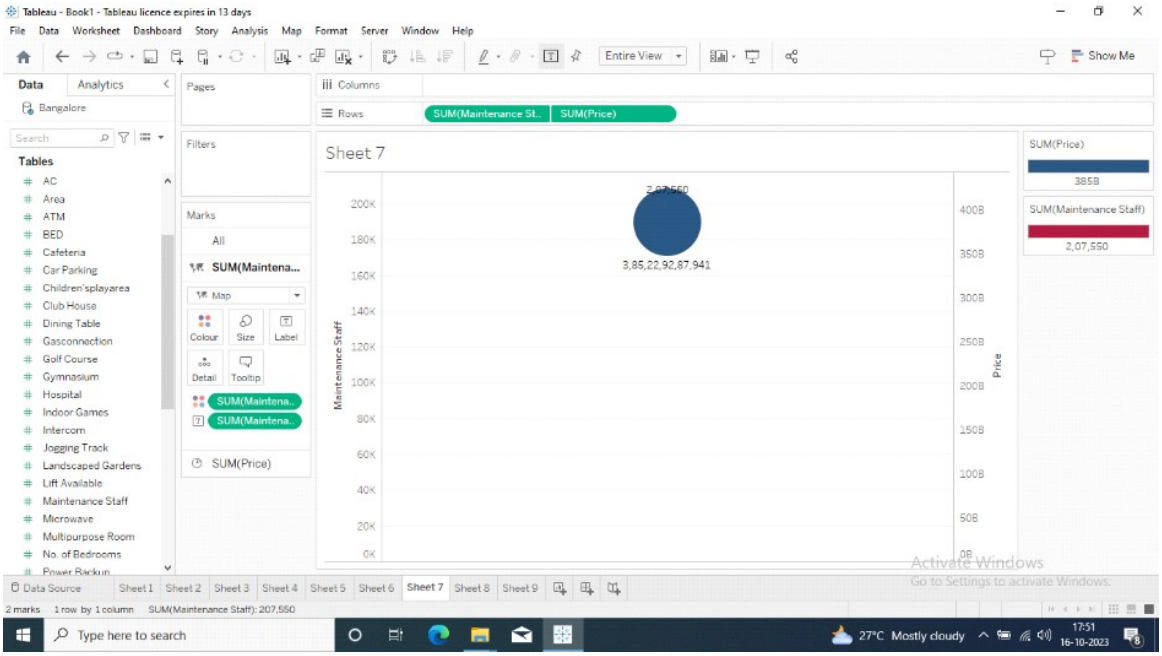
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File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
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3,85,22,92,87,941
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Data Source
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SUM(Maintenance Staff): 207,550
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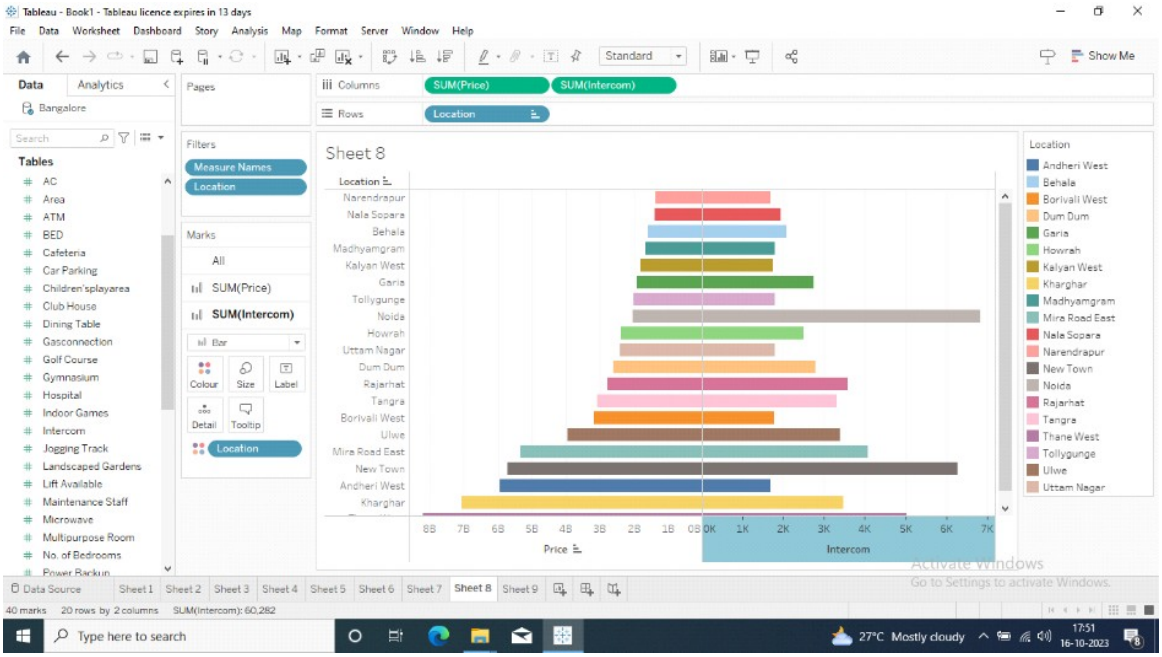
16-10-2023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Car Parking
Children'splayarea
Club House
Dining Table
Gasconnection
Golf Course
Gymnasium
Hospital
Indoor Games
Intercom
Jogging Track
Landscaped Gardens
Lift Available
Maintenance Staff
Microwave
Multipurpose Room
No. of Bedrooms
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Filters
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SUM(Intercom)
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Detail
Tooltip
Location
Columns
SUM(Price)
SUM(Intercom)
Rows
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Sheet 8
Location
Narendrapur
Nala Sopara
Behala
Madhyamgram
Kalyan West
Garia
Tollygunge
Noida
Howrah
Uttam Nagar
Dum Dum
Rajarhat
Tangra
Borivali West
Ulwe
Mira Road East
New Town
Andheri West
Kharghar
Price
Intercom
Andheri West
Behala
Borivali West
Dum Dum
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Howrah
Kalyan West
Kharghar
Madhyamgram
Mira Road East
Nala Sopara
Narendrapur
New Town
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Rajarhat
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Thane West
Tollygunge
Ulwe
Uttam Nagar
Activate Windows
Go to Settings to activate Windows.
Data Source
Sheet 1
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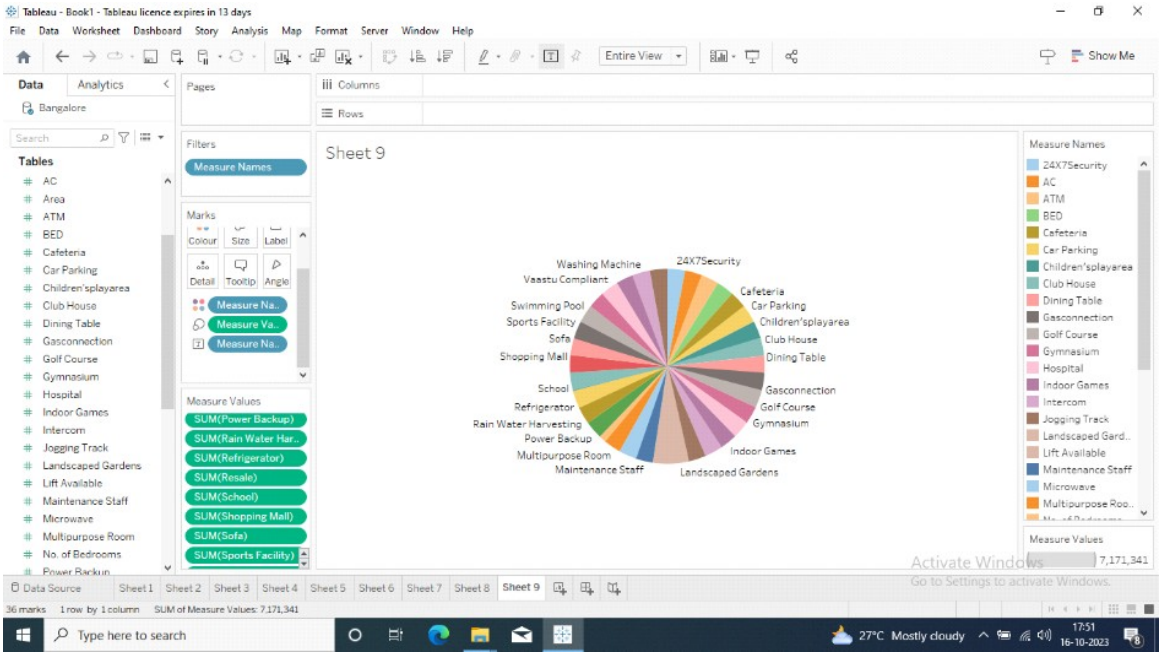
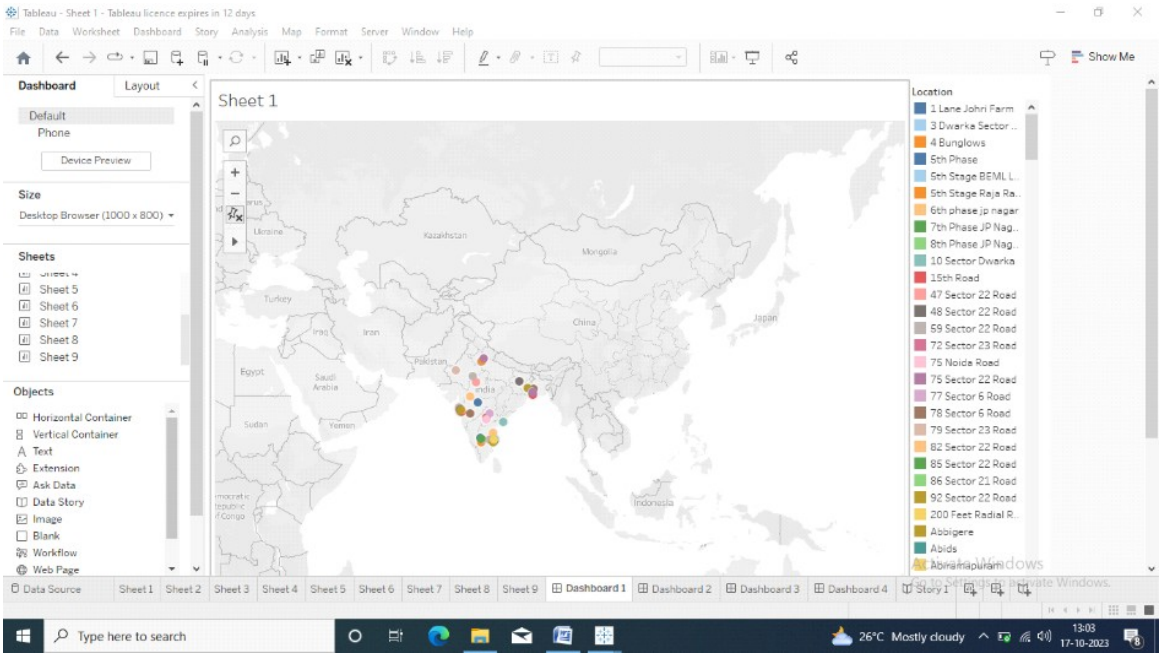
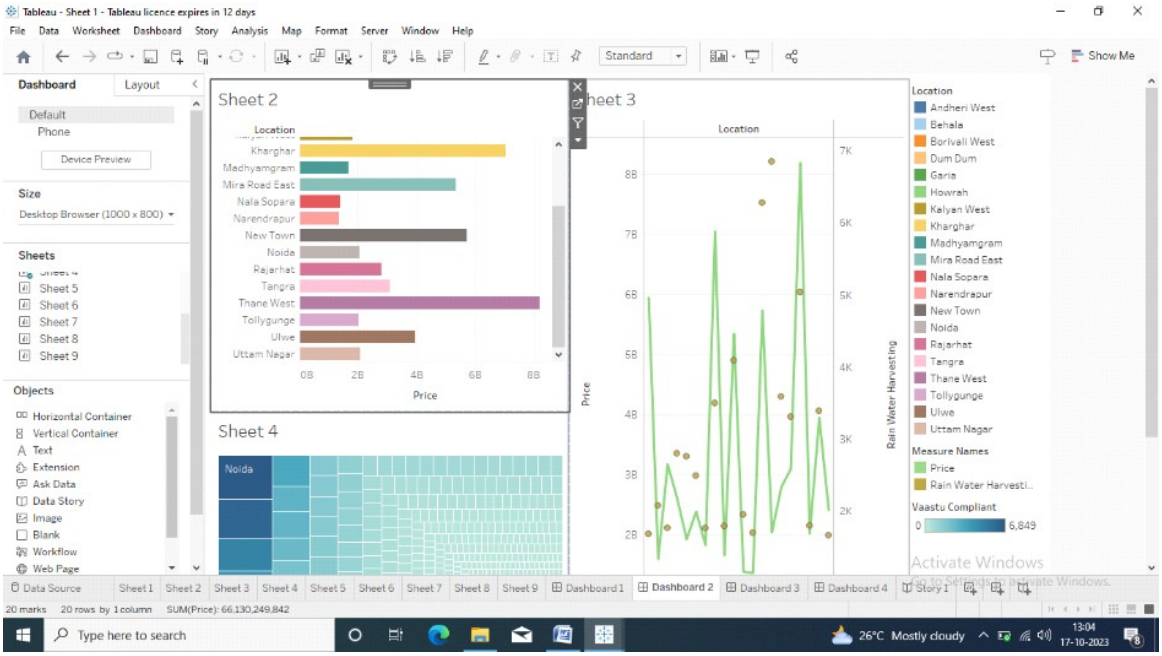
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
40 marks
20 rows by 2 columns
SUM(Intercom): 60,282
Type here to search
27°C Mostly cloudy
17:51
16-10-2023



Screenshot of Dashboard:

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File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Dashboard
Layout
Default
Phone
Device Preview
Size
Desktop Browser (1000 x 800)
Sheets
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Objects
Horizontal Container
Vertical Container
Text
Extension
Ask Data
Data Story
Image
Blank
Workflow
Web Page
Sheet 2
Location
Kharghar
Madhyamgram
Mira Road East
Nala Sopara
Narendrapur
New Town
Noida
Rajarhat
Tangra
Thane West
Tollygunge
Ulwe
Uttam Nagar
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Price
Sheet 3
Location
Price
Rain Water Harvesting
Sheet 4
Noida
Location
Andheri West
Behala
Borivali West
Dum Dum
Garia
Howrah
Kalyan West
Kharghar
Madhyamgram
Mira Road East
Nala Sopara
Narendrapur
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Rajarhat
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Thane West
Tollygunge
Ulwe
Uttam Nagar
Measure Names
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Rain Water Harvesti..
Vaastu Compliant
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6,849
Activate Windows
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Story 1
20 marks
20 rows by 1 column
SUM(Price): 66,130,249,842
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26°C Mostly cloudy
13:04
17-10-2023

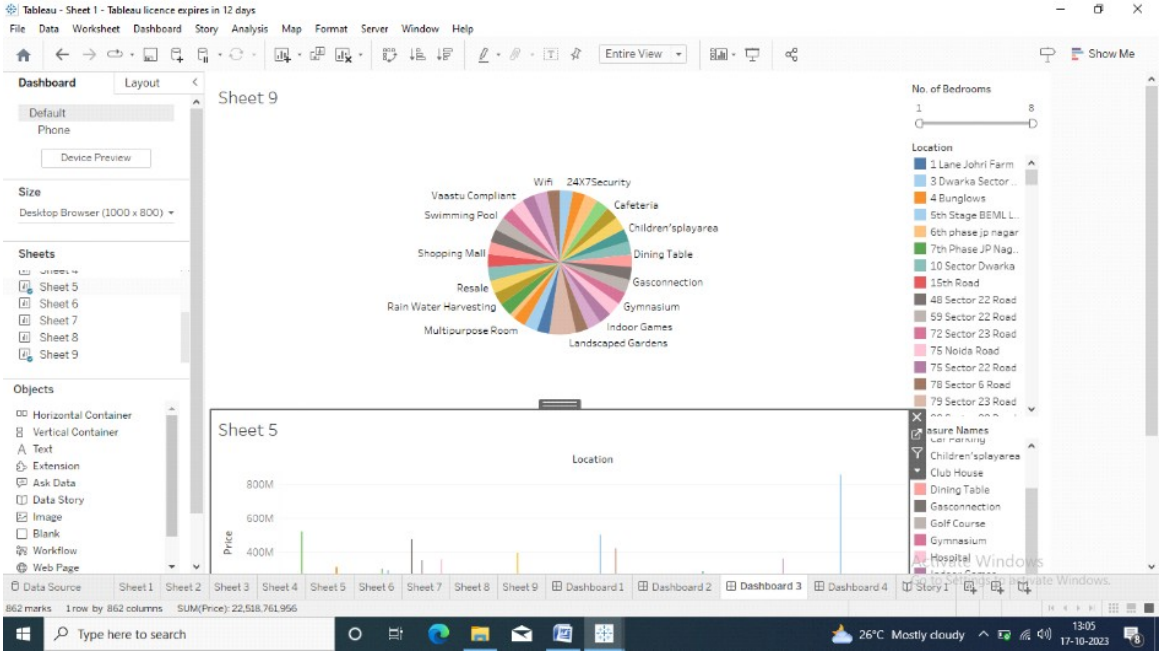
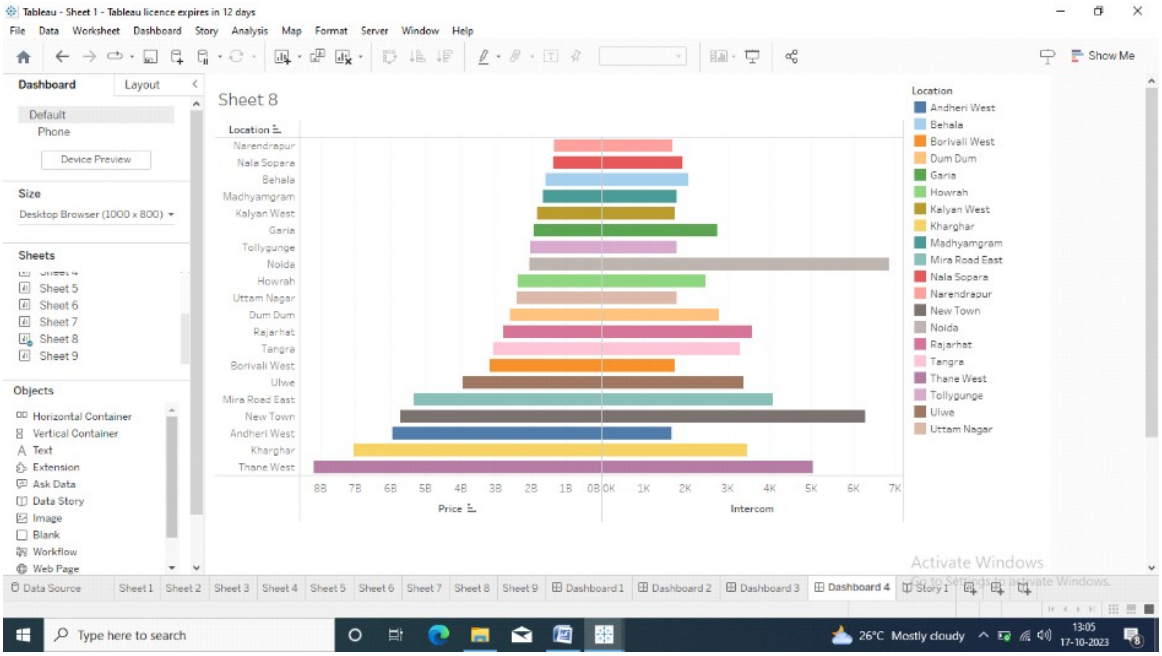


Tableau - Sheet 1 - Tableau licence expires in 12 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Entire View
Show Me
Dashboard
Layout
Default
Phone
Device Preview
Size
Desktop Browser (1000 x 800)
Sheets
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Objects
Horizontal Container
Vertical Container
Text
Extension
Ask Data
Data Story
Image
Blank
Workflow
Web Page
Sheet 9
Wifi
24X7Security
Vaastu Compliant
Cafeteria
Swimming Pool
Children'splayarea
Shopping Mall
Dining Table
Resale
Gasconnection
Rain Water Harvesting
Gymnasium
Multipurpose Room
Indoor Games
Landscaped Gardens
No. of Bedrooms
1
8
Location
1 Lane Johri Farm
3 Dwarka Sector ..
4 Bunglows
5th Stage BEML L..
6th phase jp nagar
7th Phase JP Nag..
10 Sector Dwarka
15th Road
48 Sector 22 Road
59 Sector 22 Road
72 Sector 23 Road
75 Noida Road
75 Sector 22 Road
78 Sector 6 Road
79 Sector 23 Road
Sheet 5
Location
800M
600M
400M
Price
Children'splayarea
Club House
Dining Table
Gasconnection
Golf Course
Gymnasium
Hospital
Activate Windows
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Story 1
862 marks
1 row by 862 columns
SUM(Price): 22,518,761,956
Type here to search
26°C Mostly cloudy
13:05
17-10-2023



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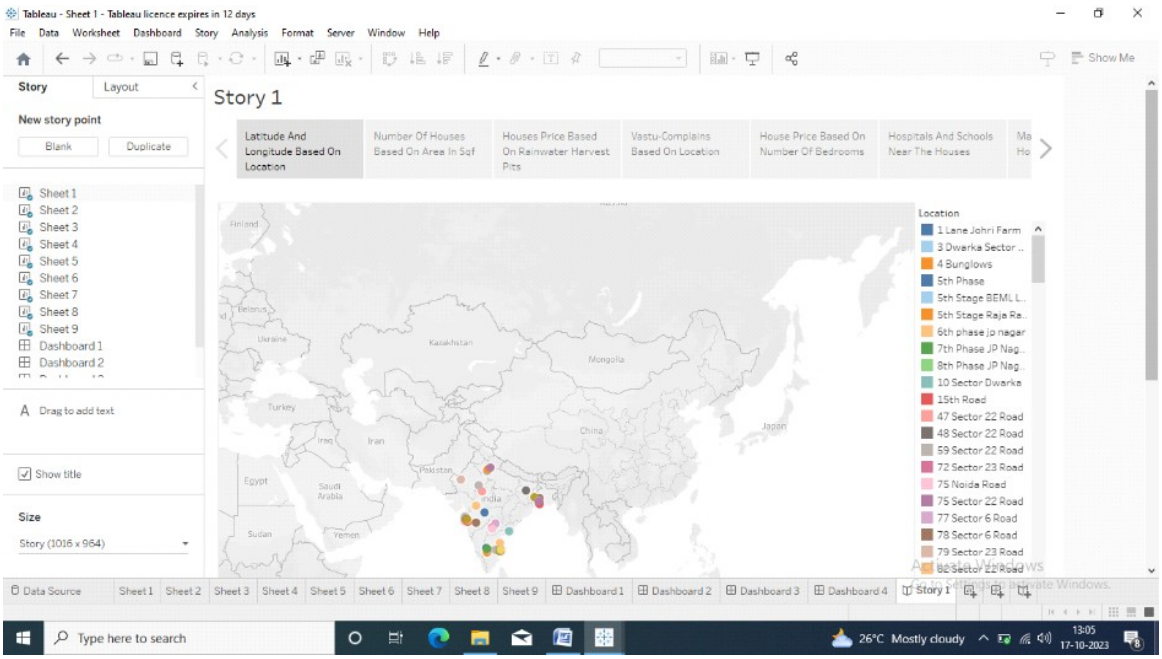

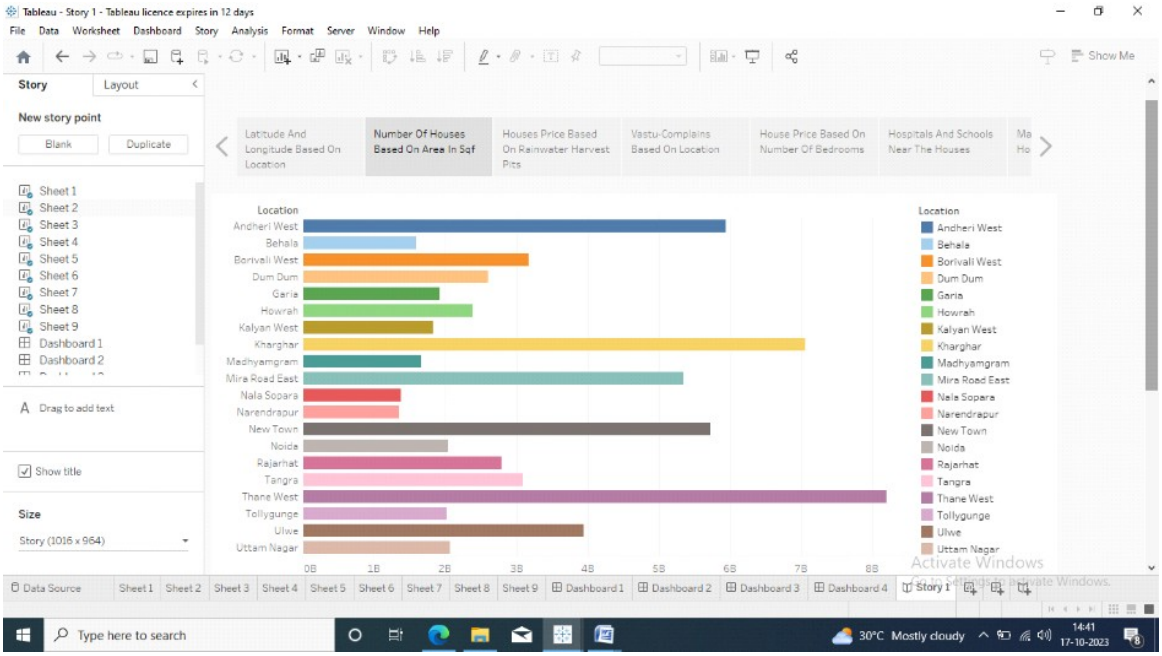
Tableau - Story 1 - Tableau licence expires in 12 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Show Me
Story
Layout
New story point
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Duplicate
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Dashboard 1
Dashboard 2
Drag to add text
Show title
Size
Story (1016 x 964)
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
House Price Based On Number Of Bedrooms
Hospitals And Schools Near The Houses
Location
Andheri West
Behala
Borivali West
Dum Dum
Garia
Howrah
Kalyan West
Kharghar
Madhyamgram
Mira Road East
Nala Sopara
Narendrapur
New Town
Noida
Rajarhat
Tangra
Thane West
Tollygunge
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Activate Windows
Go to Settings to activate Windows.
Data Source
Sheet 1
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Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Story 1
Type here to search
30°C Mostly cloudy
14:41
17-10-2023

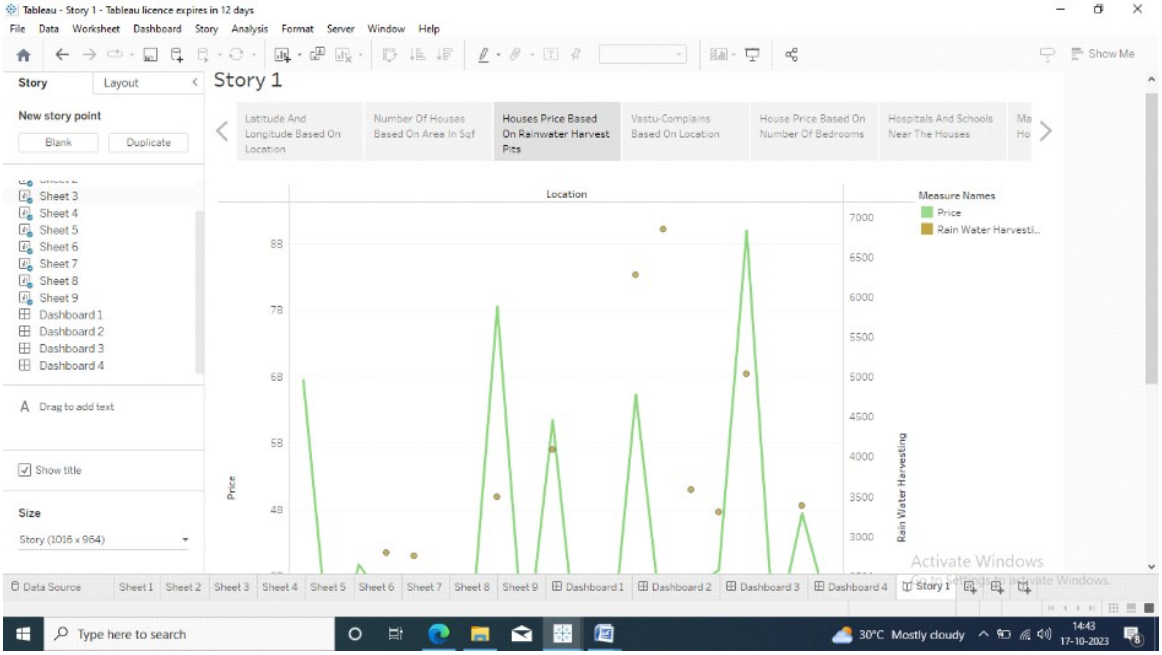
Tableau - Story 1 - Tableau licence expires in 12 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Show Me
Story 1
Story
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Dashboard 1
Dashboard 2
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Drag to add text
Show title
Size
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Latitude And Longitude Based On Location
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Vastu-Complains Based On Location
House Price Based On Number Of Bedrooms
Hospitals And Schools Near The Houses
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Measure Names
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Rain Water Harvesti..
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Activate Windows
Go to Settings to activate Windows.
Data Source
Sheet 1
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Sheet 6
Sheet 7
Sheet 8
Sheet 9
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Story 1
Type here to search
30°C Mostly cloudy
14:43
17-10-2023

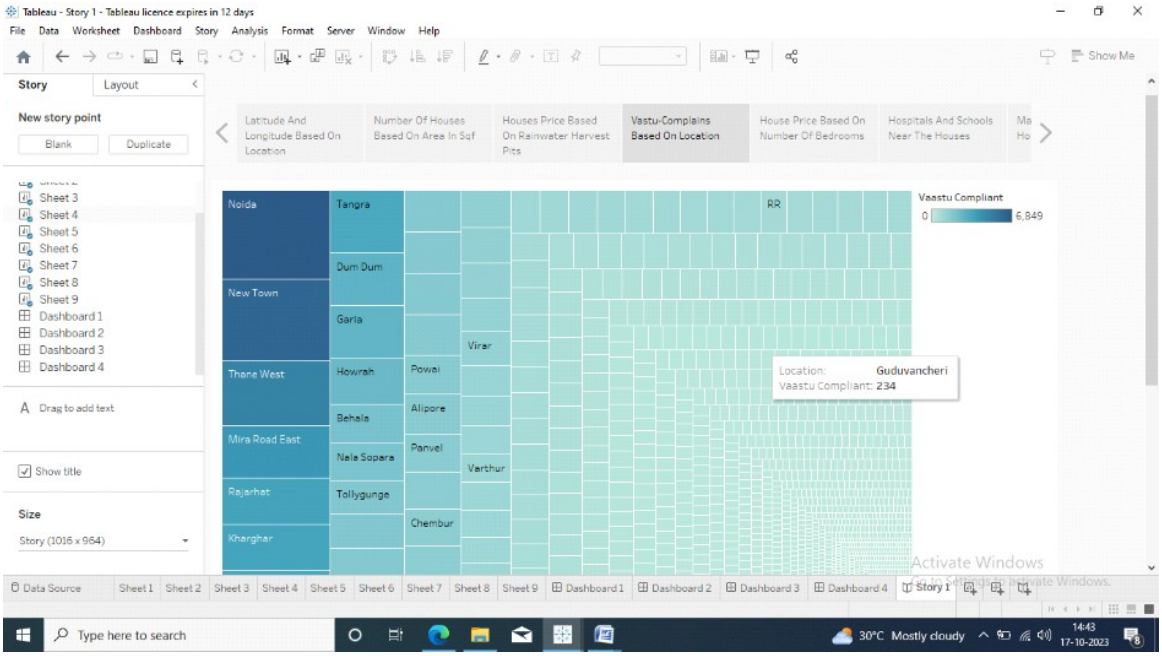
Tableau - Story 1 - Tableau licence expires in 12 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Show Me
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Latitude And Longitude Based On Location
Number Of Houses Based On Area In Sqf
Houses Price Based On Rainwater Harvest Pits
Vastu-Complains Based On Location
House Price Based On Number Of Bedrooms
Hospitals And Schools Near The Houses
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Drag to add text
Show title
Size
Story (1016 x 964)
Noida
New Town
Thane West
Mira Road East
Rajarhat
Kharghar
Tangra
Dum Dum
Garia
Howrah
Behala
Nala Sopara
Tollygunge
Powai
Alipore
Panvel
Chembur
Virar
Varthur
RR
Vaastu Compliant
0
6,849
Location: Guduvancheri
Vaastu Compliant: 234
Data Source
Sheet 1
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Sheet 5
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Sheet 9
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Story 1
Activate Windows
Type here to search
30°C Mostly cloudy
14:43
17-10-2023

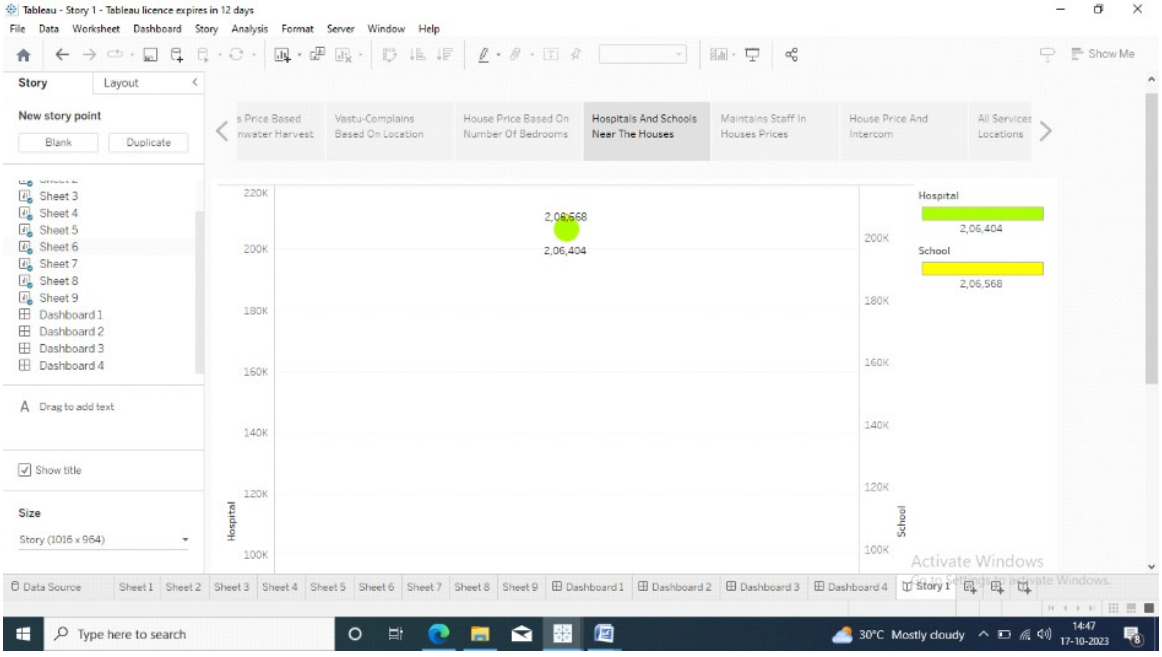


Tableau - Story 1 - Tableau licence expires in 12 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Show Me
Story
Layout
New story point
Blank
Duplicate
s Price Based nwater Harvest
Vastu-Complains Based On Location
House Price Based On Number Of Bedrooms
Hospitals And Schools Near The Houses
Maintains Staff In Houses Prices
House Price And Intercom
All Services Locations
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Drag to add text
Show title
Size
Story (1016 x 964)
220K
200K
180K
160K
140K
120K
100K
2,06,568
2,06,404
Hospital
School
Hospital
2,06,404
School
2,06,568
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Story 1
Activate Windows
Type here to search
30°C Mostly cloudy
14:47
17-10-2023

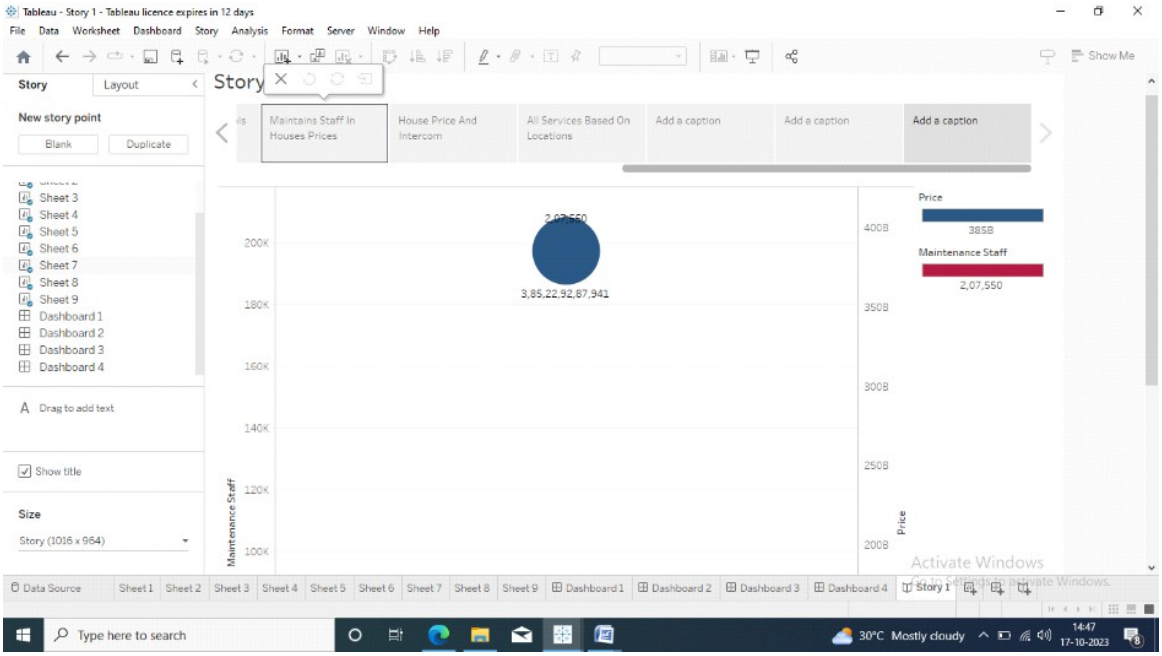


Tableau - Story 1 - Tableau licence expires in 12 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Story
Layout
New story point
Blank
Duplicate
Maintains Staff In Houses Prices
House Price And Intercom
All Services Based On Locations
Add a caption
Add a caption
Add a caption
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Drag to add text
Show title
Size
Story (1016 x 964)
2,07,550
3,85,22,92,87,941
Price
385B
Maintenance Staff
2,07,550
Maintenance Staff
Price
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Dashboard 1
Dashboard 2
Dashboard 3
Dashboard 4
Story 1
Activate Windows
Type here to search
30°C Mostly cloudy
14:47
17-10-2023

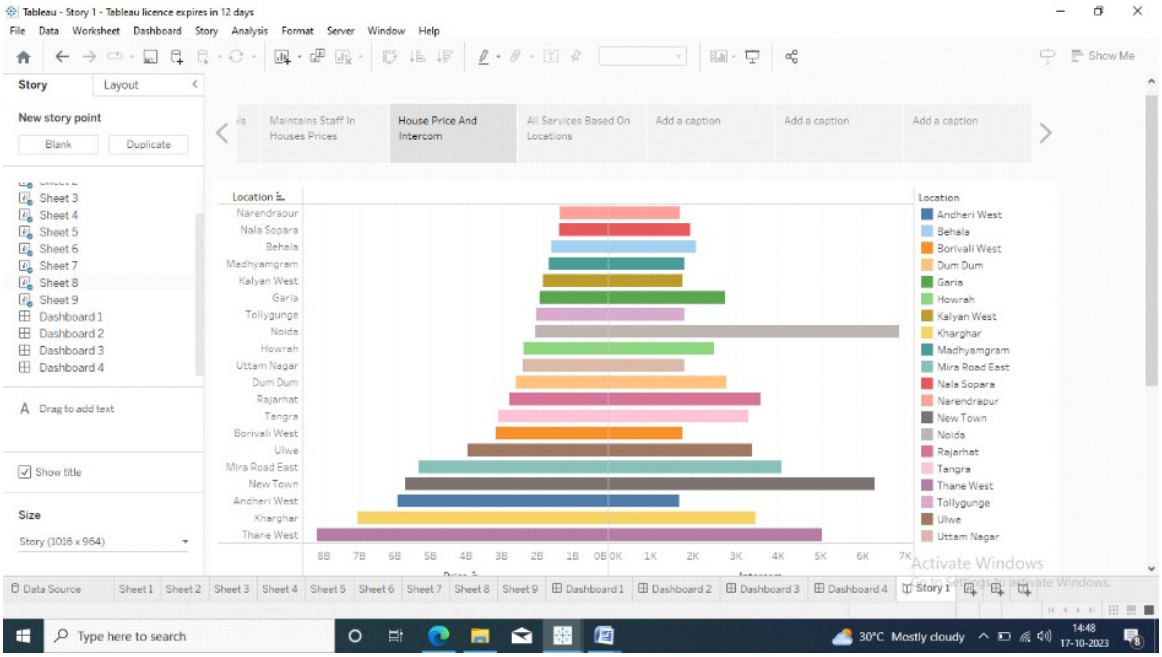
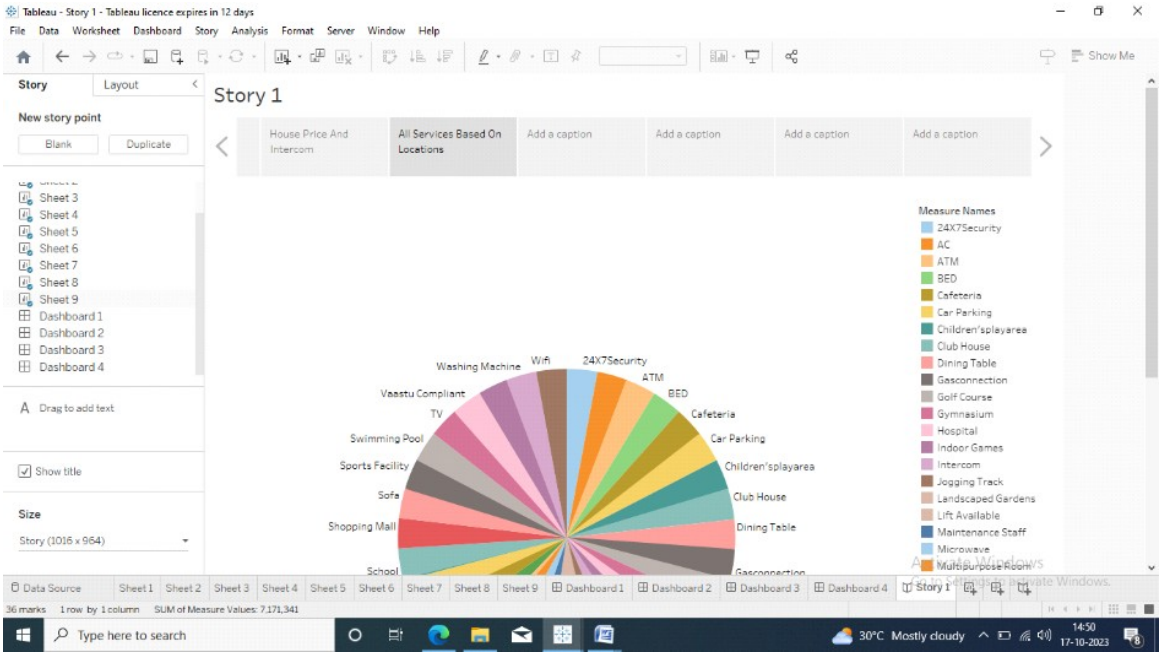
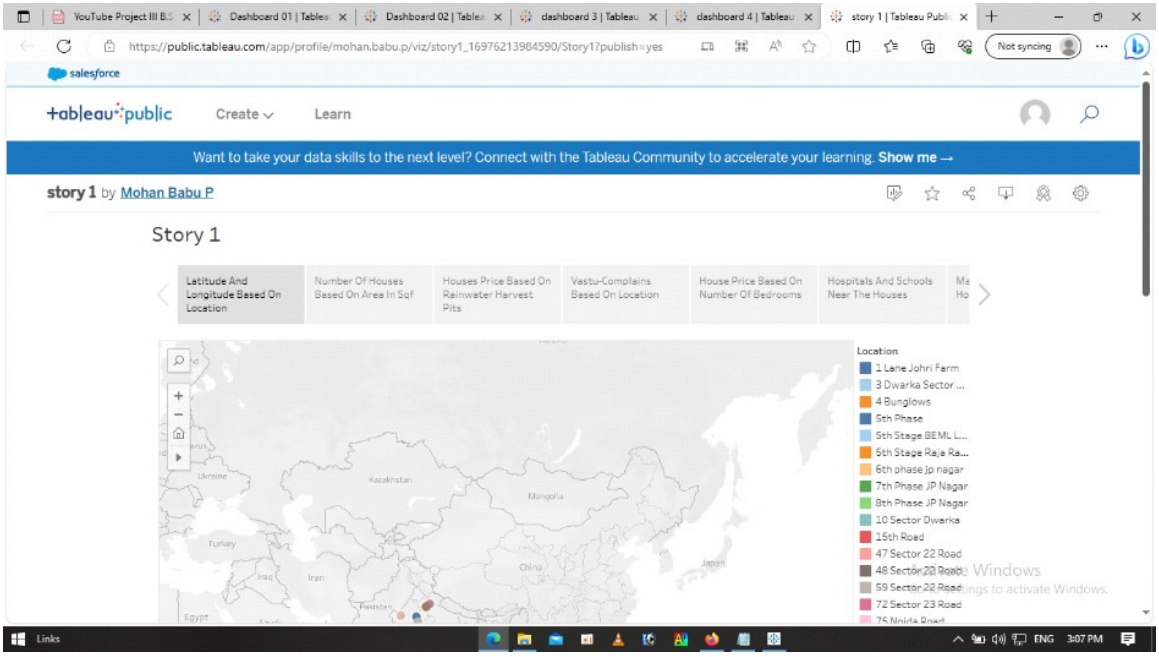
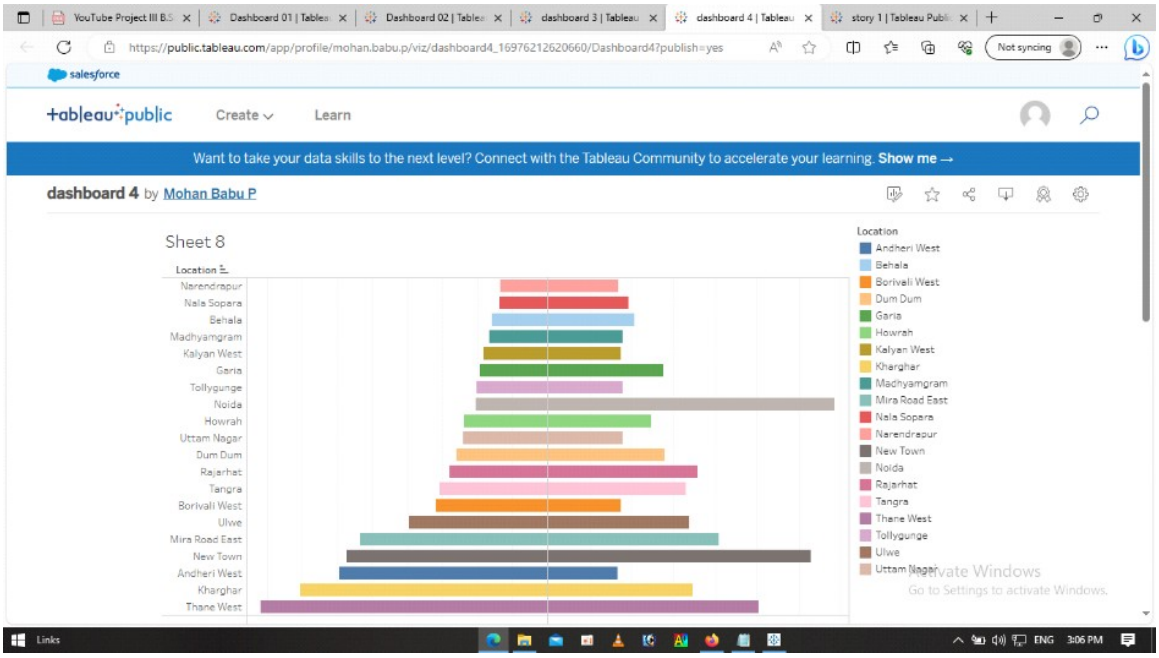


Tableau - Story 1 - Tableau licence expires in 12 days
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Story
Layout
New story point
Blank
Duplicate
Maintains Staff In Houses Prices
House Price And Intercom
All Services Based On Locations
Add a caption
Add a caption
Add a caption
Location
Narendrapur
Nala Sopara
Behala
Madhyamgram
Kalyan West
Garia
Tollygunge
Noida
Howrah
Uttam Nagar
Dum Dum
Rajarhat
Tangra
Borivali West
Ulwe
Mira Road East
New Town
Andheri West
Kharghar
Thane West
Location
Andheri West
Behala
Borivali West
Dum Dum
Garia
Howrah
Kalyan West
Kharghar
Madhyamgram
Mira Road East
Nala Sopara
Narendrapur
New Town
Noida
Rajarhat
Tangra
Thane West
Tollygunge
Ulwe
Uttam Nagar
8B 7B 6B 5B 4B 3B 2B 1B 0B 0K 1K 2K 3K 4K 5K 6K 7K
Activate Windows
Type here to search
30°C Mostly cloudy
14:48
17-10-2023



Screenshots of Published Work:

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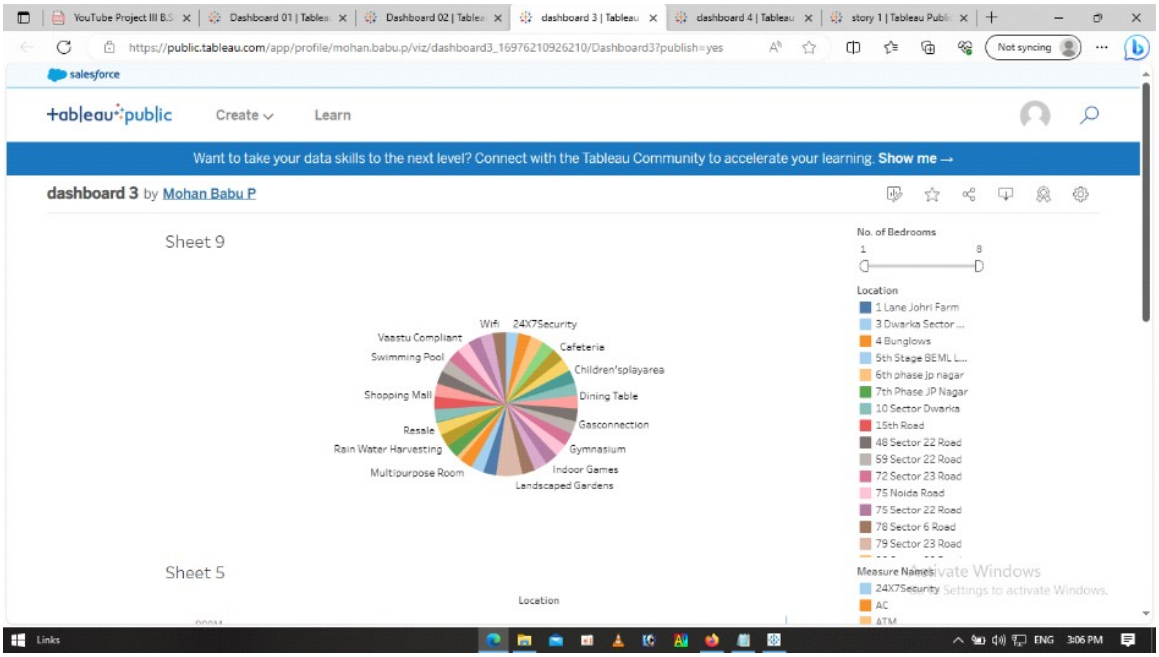
Not syncing
salesforce
+ableau public
Create
Learn
Want to take your data skills to the next level? Connect with the Tableau Community to accelerate your learning. Show me →
dashboard 4 by Mohan Babu P
Sheet 8
Location
Narendrapur
Nala Sopara
Behala
Madhyamgram
Kalyan West
Garia
Tollygunge
Noida
Howrah
Uttam Nagar
Dum Dum
Rajarhat
Tangra
Borivali West
Ulwe
Mira Road East
New Town
Andheri West
Kharghar
Thane West
Location
Andheri West
Behala
Borivali West
Dum Dum
Garia
Howrah
Kalyan West
Kharghar
Madhyamgram
Mira Road East
Nala Sopara
Narendrapur
New Town
Noida
Rajarhat
Tangra
Thane West
Tollygunge
Ulwe
Uttam Nagar
Activate Windows
Go to Settings to activate Windows.
Links
ENG
3:06 PM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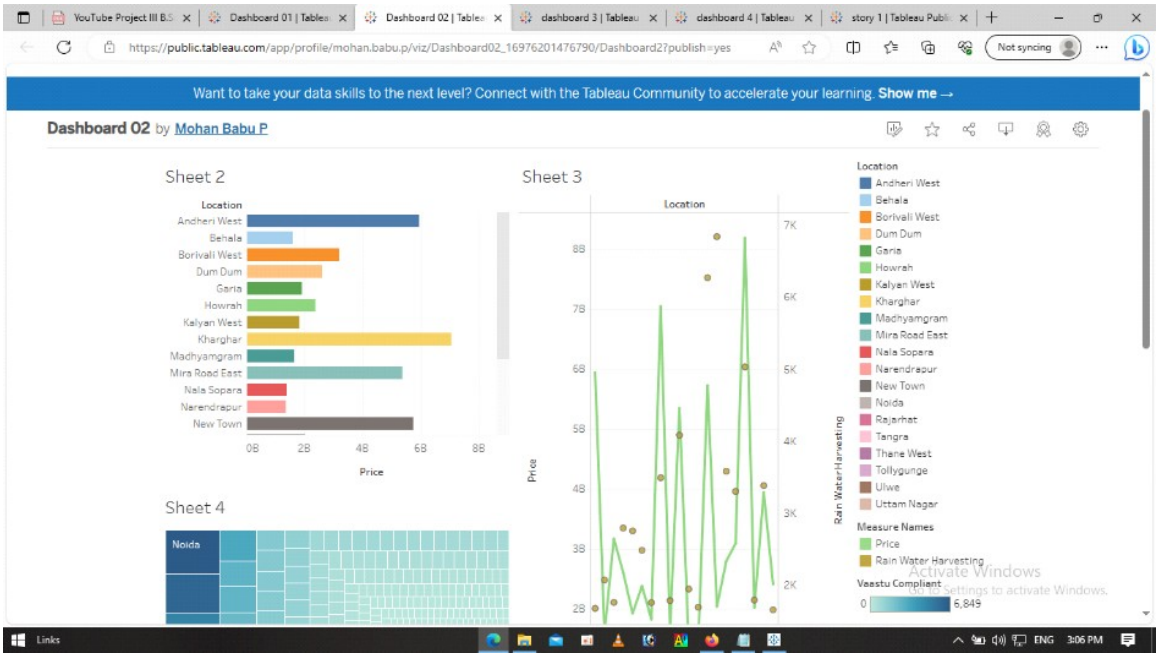
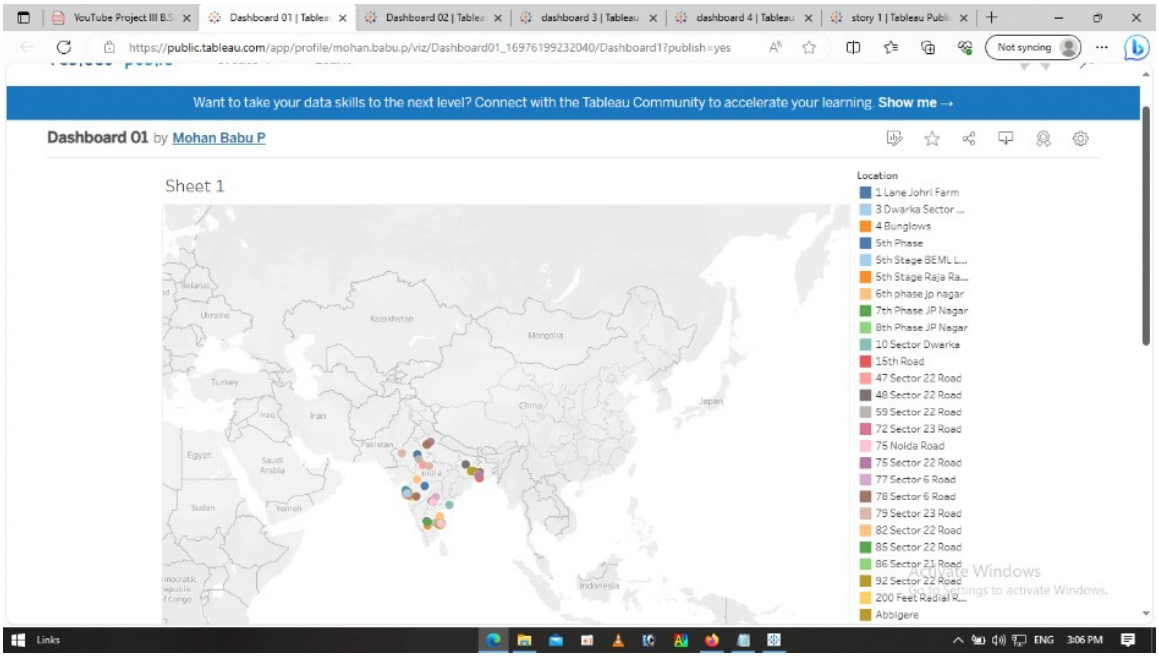
Not syncing
salesforce
+ableau public
Create
Learn
Want to take your data skills to the next level? Connect with the Tableau Community to accelerate your learning. Show me →
dashboard 3 by Mohan Babu P
Sheet 9
Wifi
24X7Security
Vaastu Compliant
Cafeterie
Swimming Pool
Children'splayarea
Shopping Mall
Dining Table
Resale
Gasconnection
Rain Water Harvesting
Gymnasium
Multipurpose Room
Indoor Games
Landscaped Gardens
No. of Bedrooms
1
8
Location
1 Lane Johri Farm
3 Dwarka Sector ...
4 Bunglows
5th Stage BEML L...
6th phase jp nagar
7th Phase JP Nagar
10 Sector Dwarka
15th Road
48 Sector 22 Road
59 Sector 22 Road
72 Sector 23 Road
75 Noida Road
75 Sector 22 Road
78 Sector 6 Road
79 Sector 23 Road
Sheet 5
Location
Measure Names
24X7Security
AC
ATM
Activate Windows
Go to Settings to activate Windows.
Links
ENG
3:06 PM





- ADVANTAGES & DISADVANTAGES
  - This visualization is very easier to analyse the data of Indian Agricultural Crop Production Analysis (1997-2021).
  - To increase crop production, to estimate planting insurance, and improving trade benefits.
  - This web-based agri solution will help farmers to take smart farming decision by resourse optimization and smart planning.
  - To identify the Crop Diseases and to make necessary actions.

- APPLICATIONS

1 Mobile-Friendly

2. Informative Dashboards

3. Advanced Visualization Capabilities

4. Availability of Maps. Atnd so on .

Conclusion

The housing credit is one area of finance that has been adversely affected by the downward spiralling of the housing prices. As the number of people who are able to purchase homes reduces, so has the demand for homes hence leading to a fall in house in prices.