PROJECT REPORT TEMPLATE

1 INTRODUCTION

1.1 overview

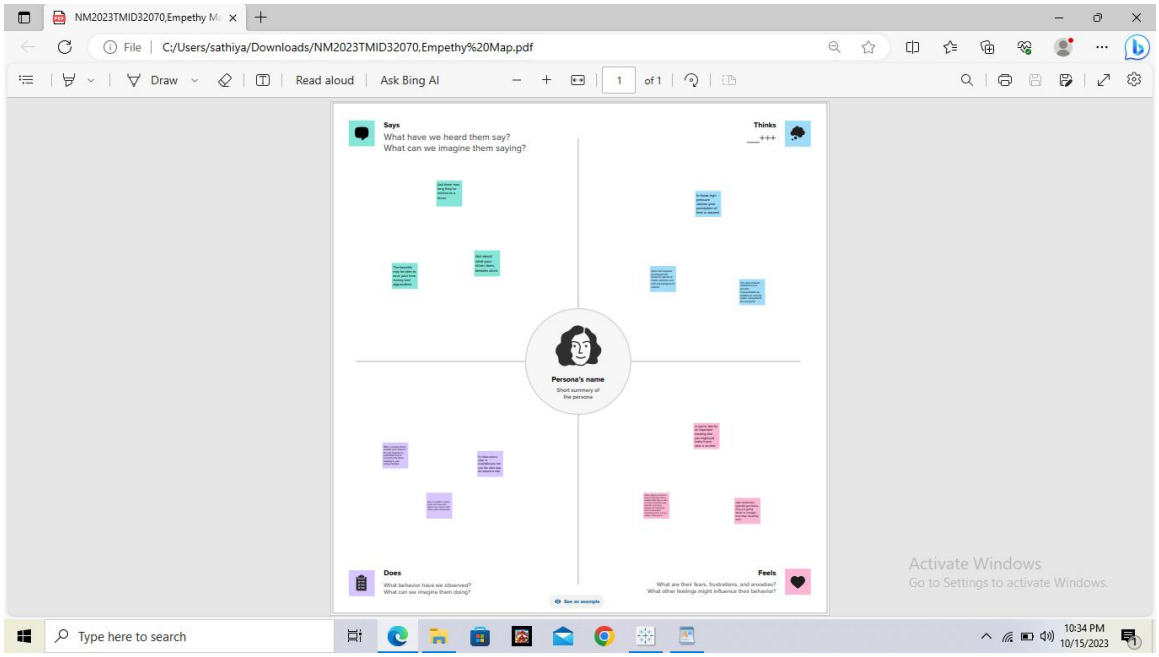
Problem Understanding, also known as problem Definition or problem Identification, is the intial and critical phase of any data analysis or problem solving process. It involves gaining a clear and comprehensive understanding of the problem at hand, its context, scope, and objectives.

1.2 purpose

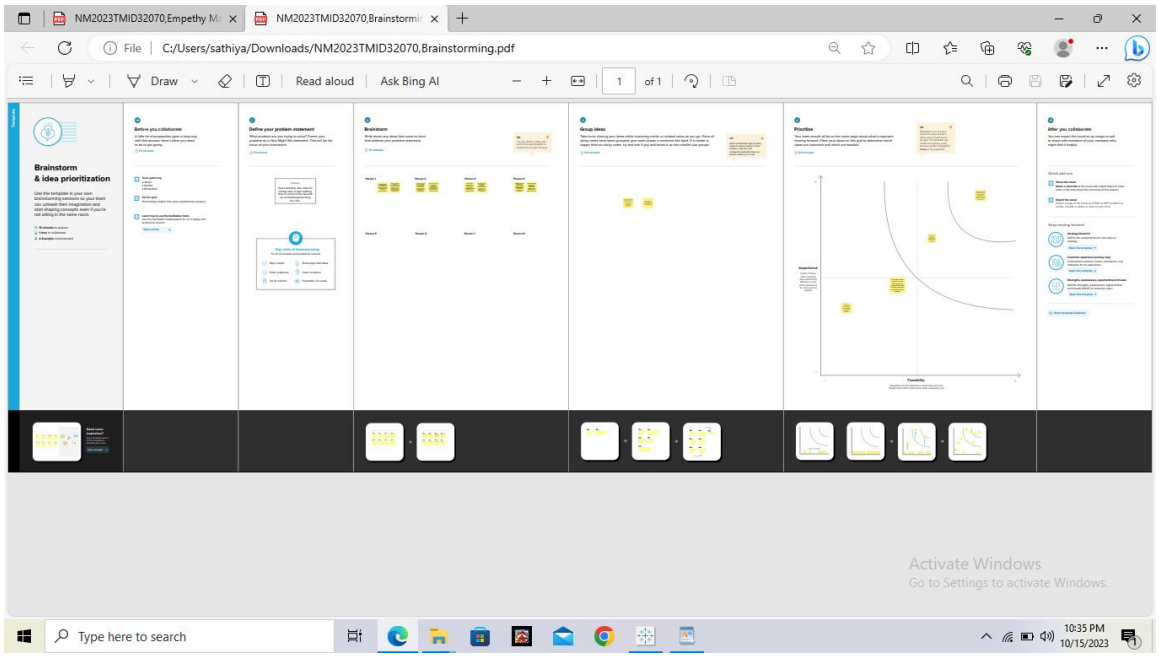
This analysis can help uber drivers decide where to focus the their driving efforts for maximum efficiency and profitability. The major of our project is to use data Analyzing techniques to find unknown patterns in the uber drives dataset.

2 PROBLEM DEFINITION& DESIGN THINKING

2.1 Empathy Map



2.2 Ideation and brainstorming map


NM2023TMID32070,Empethy M...
NM2023TMID32070,Brainstormi...
File | C:/Users/sathiya/Downloads/NM2023TMID32070,Brainstorming.pdf
Draw
Read aloud
Ask Bing AI
1 of 1
Brainstorm & idea prioritization
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10/15/2023

3 RESULT

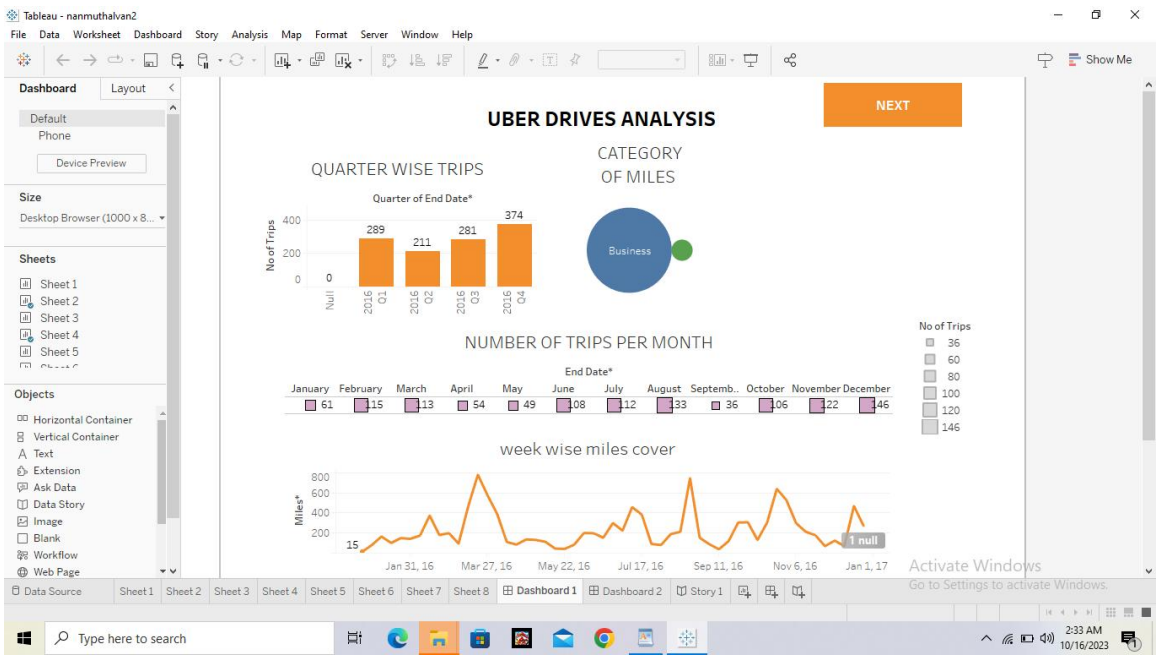
Tableau - nanmuthalvan2
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Dashboard
Layout
Default
Phone
Device Preview
Size
Desktop Browser (1000 x 8...
Sheets
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Objects
Horizontal Container
Vertical Container
Text
Extension
Ask Data
Data Story
Image
Blank
Workflow
Web Page
UBER DRIVES ANALYSIS
NEXT
QUARTER WISE TRIPS
Quarter of End Date*
No of Trips
400
200
0
0
289
211
281
374
Null
2016 Q1
2016 Q2
2016 Q3
2016 Q4
CATEGORY OF MILES
Business
NUMBER OF TRIPS PER MONTH
End Date*
January February March April May June July August Septemb.. October November December
61 15 13 54 49 108 12 33 36 106 22 46
No of Trips
36
60
80
100
120
146
week wise miles cover
Miles*
800
600
400
200
15
1 null
Jan 31, 16
Mar 27, 16
May 22, 16
Jul 17, 16
Sep 11, 16
Nov 6, 16
Jan 1, 17
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Dashboard 1
Dashboard 2
Story 1
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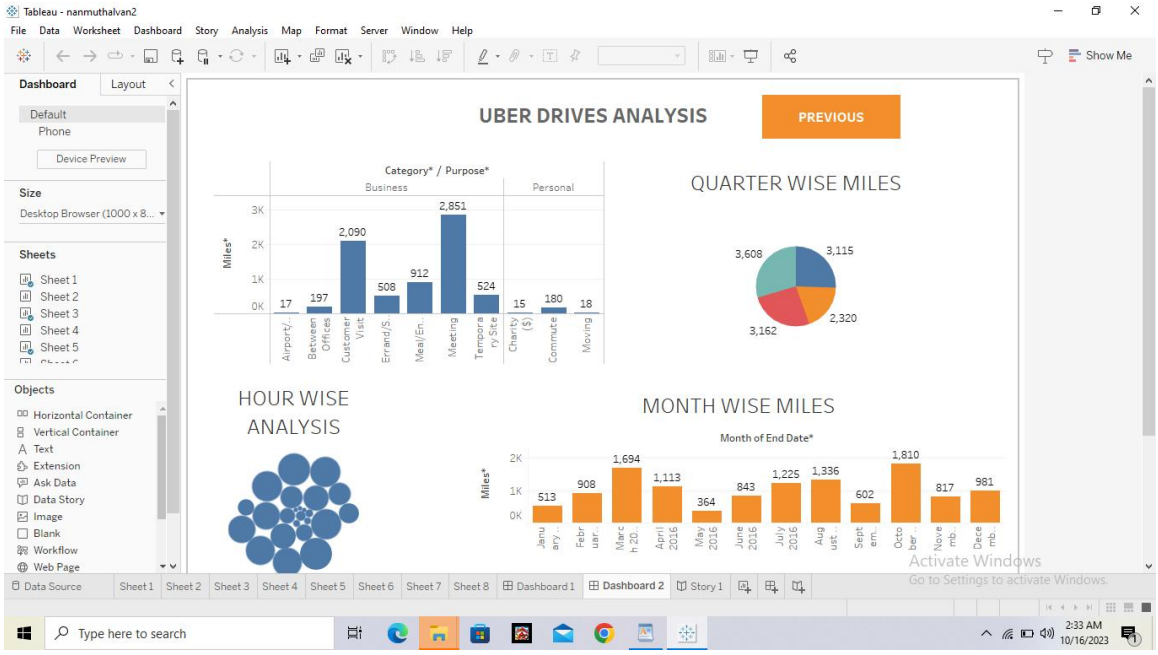
10/16/2023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Device Preview
Size
Desktop Browser (1000 x 8...
Sheets
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Sheet 4
Sheet 5
Objects
Horizontal Container
Vertical Container
Text
Extension
Ask Data
Data Story
Image
Blank
Workflow
Web Page
UBER DRIVES ANALYSIS
PREVIOUS
Category* / Purpose*
Business
Personal
Miles*
3K
2K
1K
0K
17
197
2,090
508
912
2,851
524
15
180
18
Airport/...
Between Offices
Customer Visit
Errand/S...
Meal/En...
Meeting
Tempora ry Site
Charity ($)
Commute
Moving
QUARTER WISE MILES
3,608
3,115
3,162
2,320
HOUR WISE ANALYSIS
MONTH WISE MILES
Month of End Date*
Miles*
2K
1K
0K
513
908
1,694
1,113
364
843
1,225
1,336
602
1,810
817
981
Janu ary...
Febr uar...
Marc h 20...
April 2016
May 2016
June 2016
July 2016
Aug ust...
Sept em...
Octo ber...
Nove mb...
Dece mb...
Activate Windows
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Data Source
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Sheet 3
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Sheet 7
Sheet 8
Dashboard 1
Dashboard 2
Story 1
Type here to search
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10/16/2023

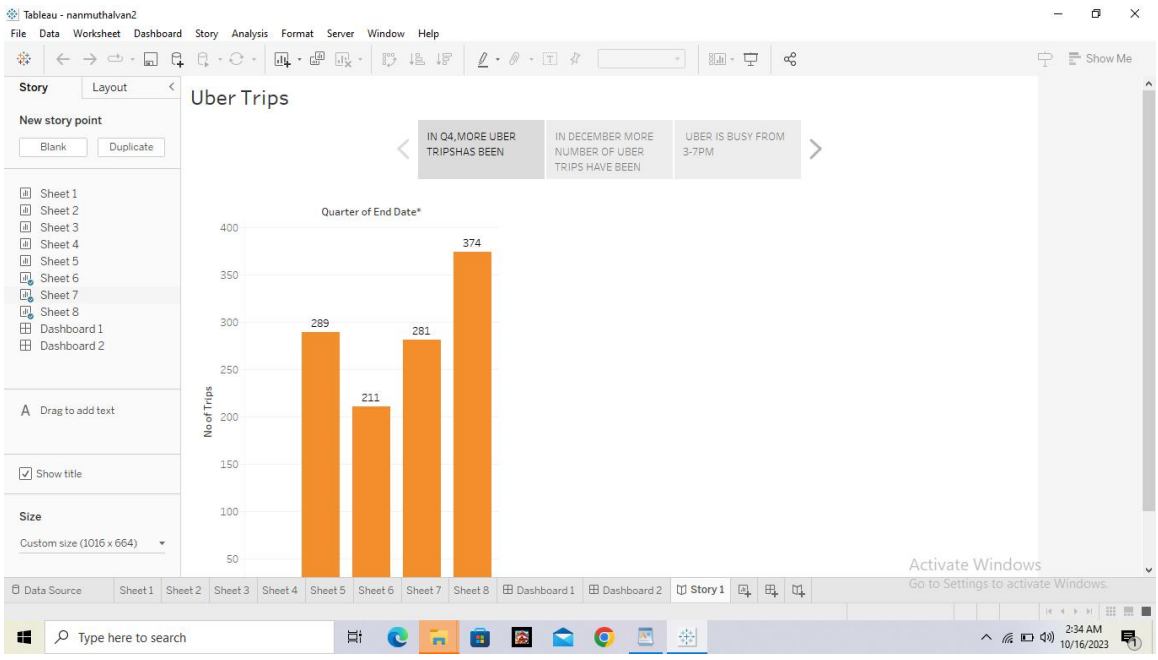
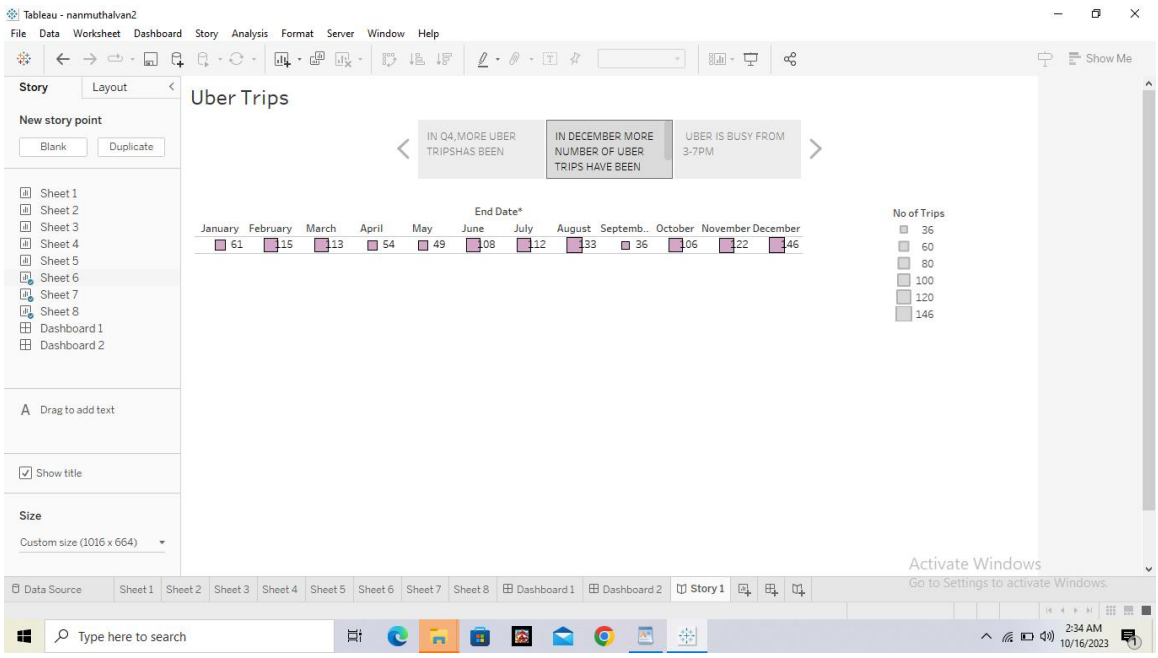
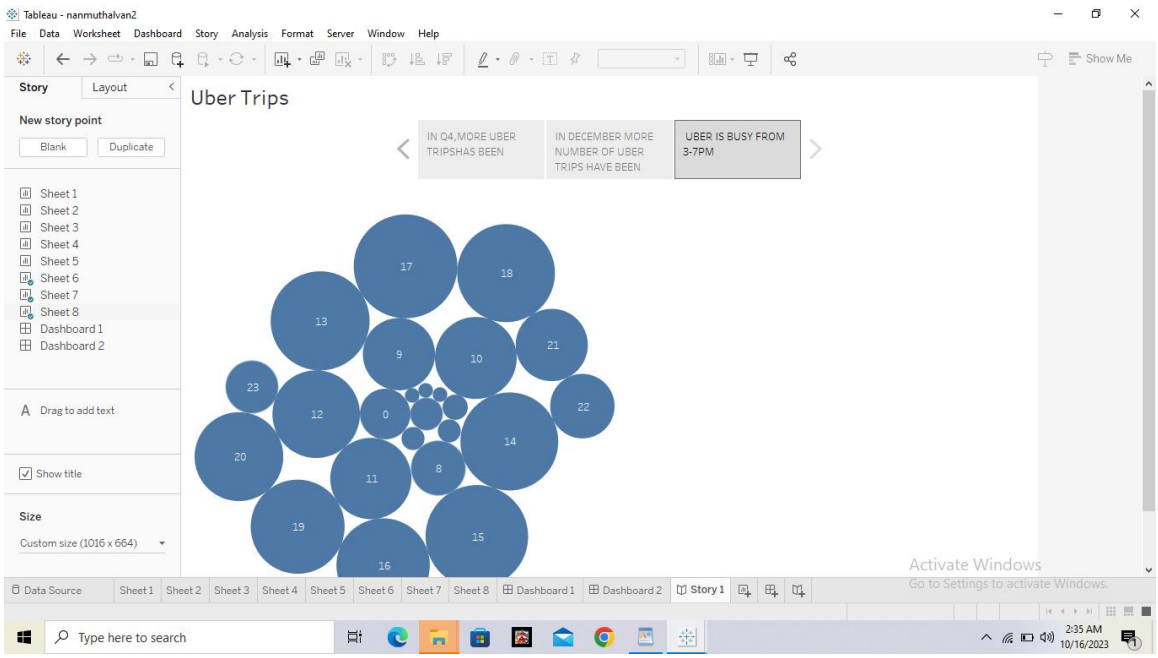


Tableau - nanmuthalvan2
File Data Worksheet Dashboard Story Analysis Format Server Window Help
Show Me
Story
Layout
New story point
Blank
Duplicate
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Dashboard 1
Dashboard 2
Drag to add text
Show title
Size
Custom size (1016 x 664)
Uber Trips
IN Q4,MORE UBER TRIPSHAS BEEN
IN DECEMBER MORE NUMBER OF UBER TRIPS HAVE BEEN
UBER IS BUSY FROM 3-7PM
Quarter of End Date*
No of Trips
400
350
300
250
200
150
100
50
289
211
281
374
Activate Windows
Go to Settings to activate Windows.
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Dashboard 1
Dashboard 2
Story 1
Type here to search
2:34 AM
10/16/2023





4 ADVANTAGES& DISADVANTAGES

*Uber's advantages include door-to -door convenience,safety,and reliable quality.

*Uber's disadvantages include its surge pricing and the negative effects of replacing steady jobs with gig work.

5 APPLICATIONS

We use machine learning algorithms to predict the price of Uber, so that it is eassy for the company to do analysis on price based on certain features.

6 CONCLUSION

At the end of this uber data analysis R project, we studied how to create data visualizations. We used backage that helped us to plot various types of visualizations that pertained to several time -frames of the year.

with this, we conclude how time and place affected customer trips.

Finally, we made visualization a geo plot of new york that provided us with the detials of how various users made trips from different bases.

7 FUTURE SCOPE

We can use this data for training a model using ML and bulding a smart AI based predictive system.

Model can automatically send the inshights to the authorities or drives related to areas having most trips and passenger count in certain areas.

This big data can be used to study passenger's behavior.