Vyasa Arts & Science Women's College

Subramaniapuram.

DEPARTMENT OF MATHEMATICS

2023 - 2024

Voyage visit: Illuminating insights from Uber expeditionary analysis

TEAM LEADER

1. Dharani G

TEAM MEMBERS

1. Hamsasri V
2. Sivarama Lakshmi S
3. Kayathiri M

VOYAGE VISIT: ILLUMINATING INSIGHTS FROM UBER EXPEDITIONARY ANALYSIS

1.INTRODUCTION

1.1 Overview

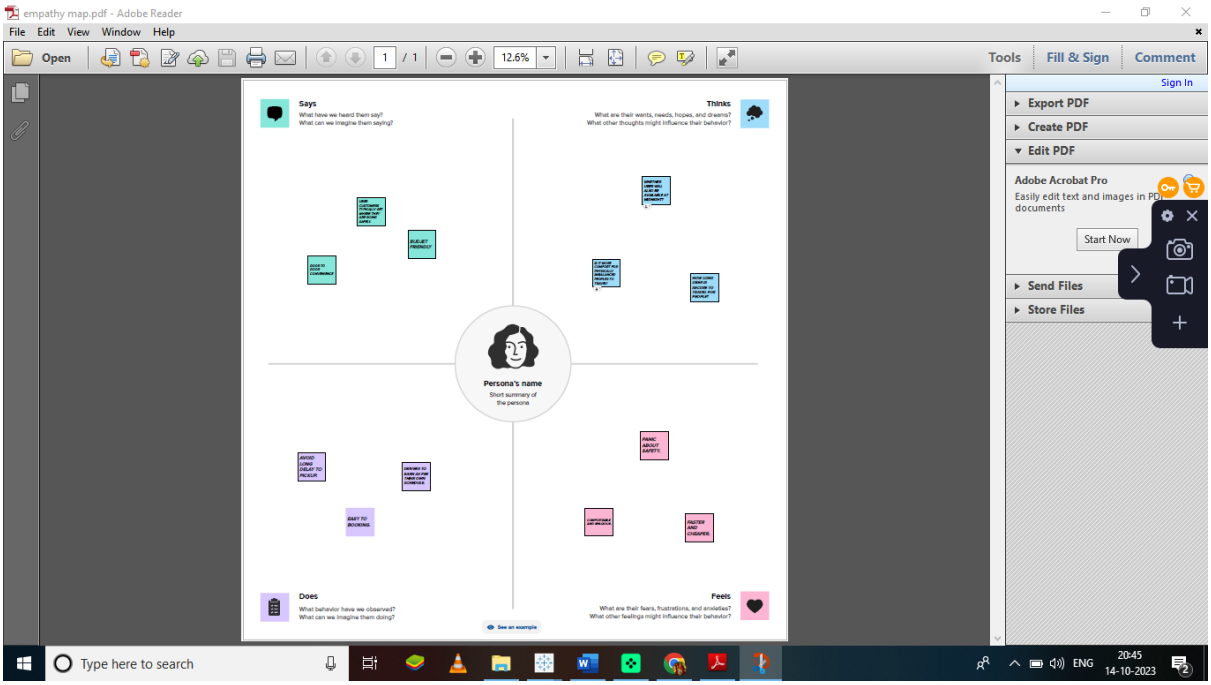
Uber provides a convenient way for individuals to request rides from drivers who use their own personal vehicles. Uber driver analysis refers to the Analysing the number of trips taken by uber drivers can provide insights into their overall activity and the demand for rides in specific areas,daily, weekly or monthly analysis: Uber's data can be analysed on a daily, weekly, monthly basis to understand the trends and patterns of trip volumes. This analysis can help identify peak hours or days of high demand and optimise driver availability during those times. Trips can be analysed based on geographic region or specific cities to identify areas with higher demand. This analysis can help uber drivers decide where to focus their driving efforts for maximum efficiency and profitability. The major of our project is to use data Analysing techniques to find unknown patterns in the uber drivers dataset. The research is carried out on uber drivers data collected from the year 2016.

1.2 Purpose

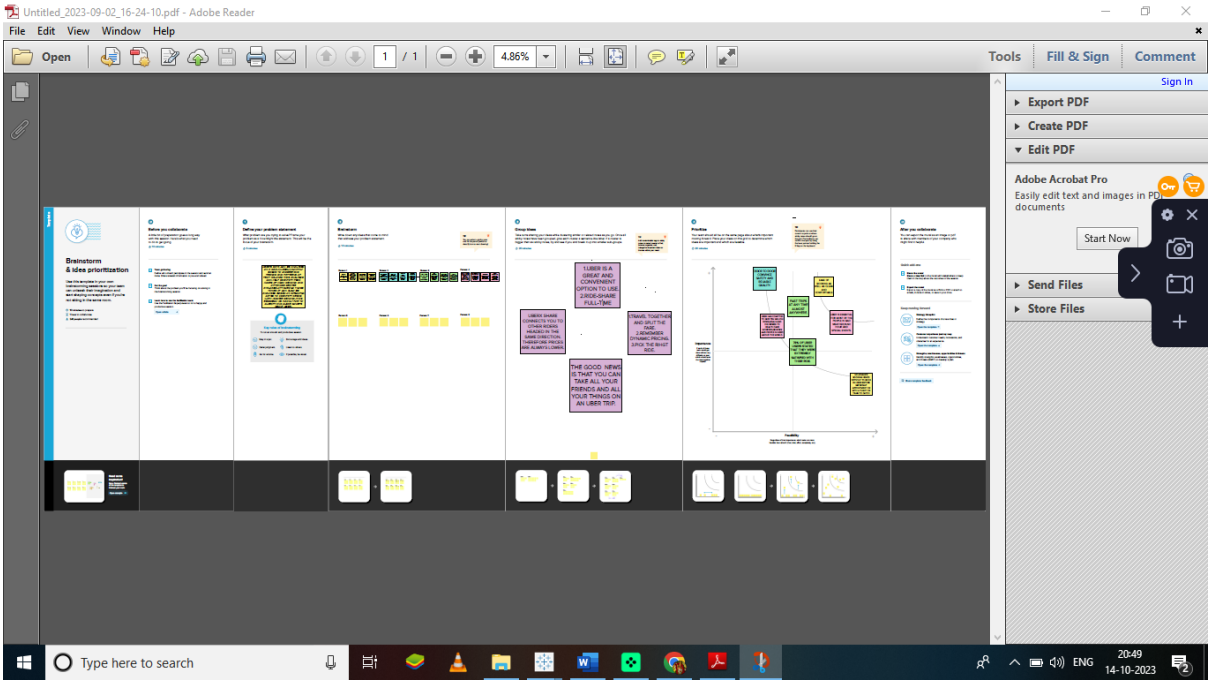
The main purpose of uber is to provide transportation as reliable as running water, everywhere, for everyone. Whenever the customers need to travel with affordable cost the uber can provide it with safety and comfort facility.

2. PROBLEM DEFINITION AND DESIGN THINKING

2.1 EMPATHY MAP



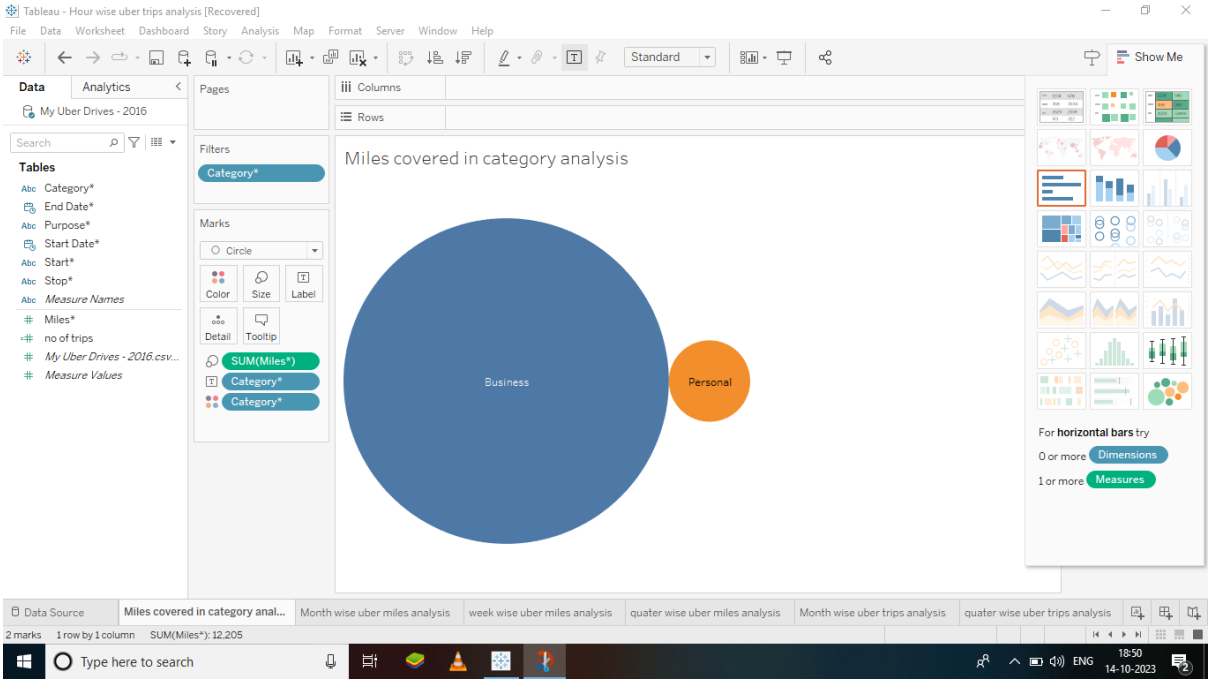
2.2 IDEATION AND BRAINSTORMING



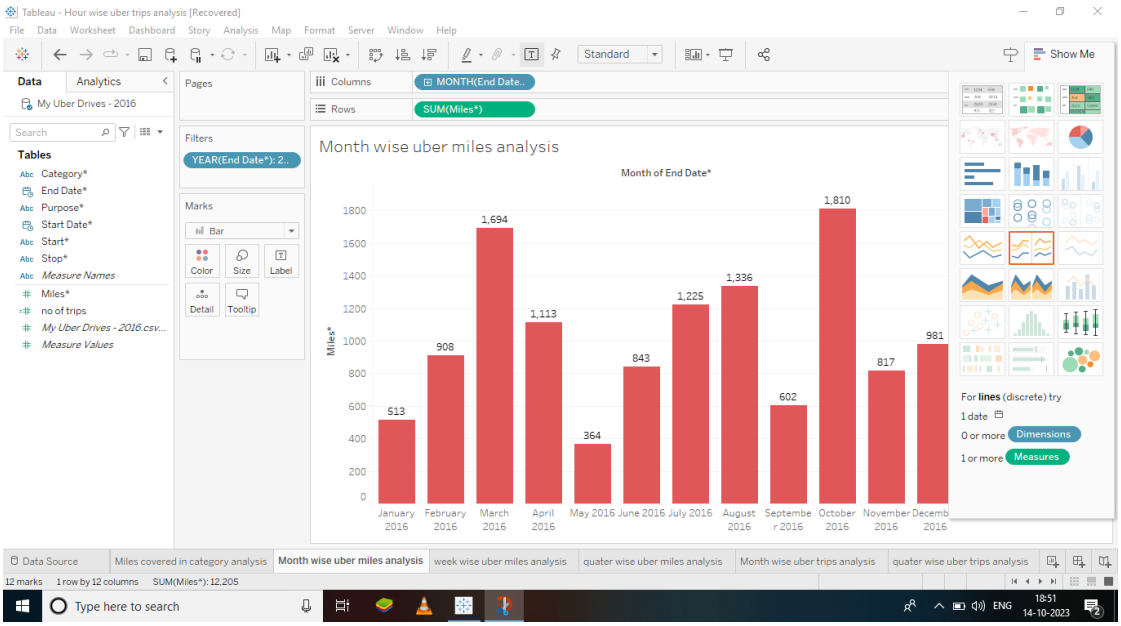
3. RESULT

3.1 CHARTS

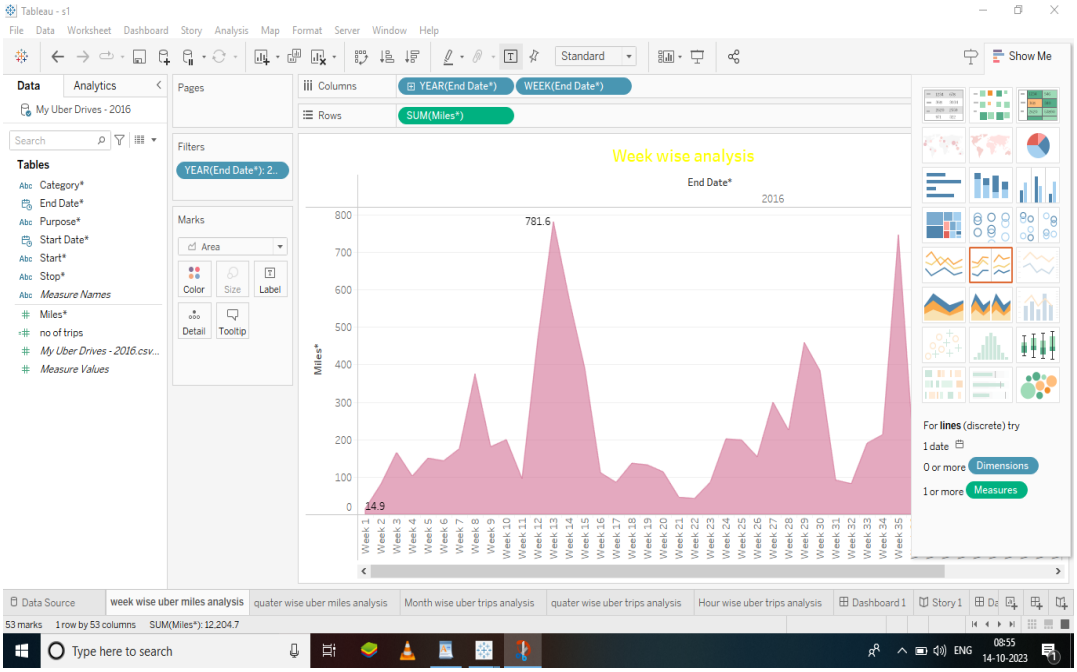
a. Miles Covered per Category and Purpose Analysis



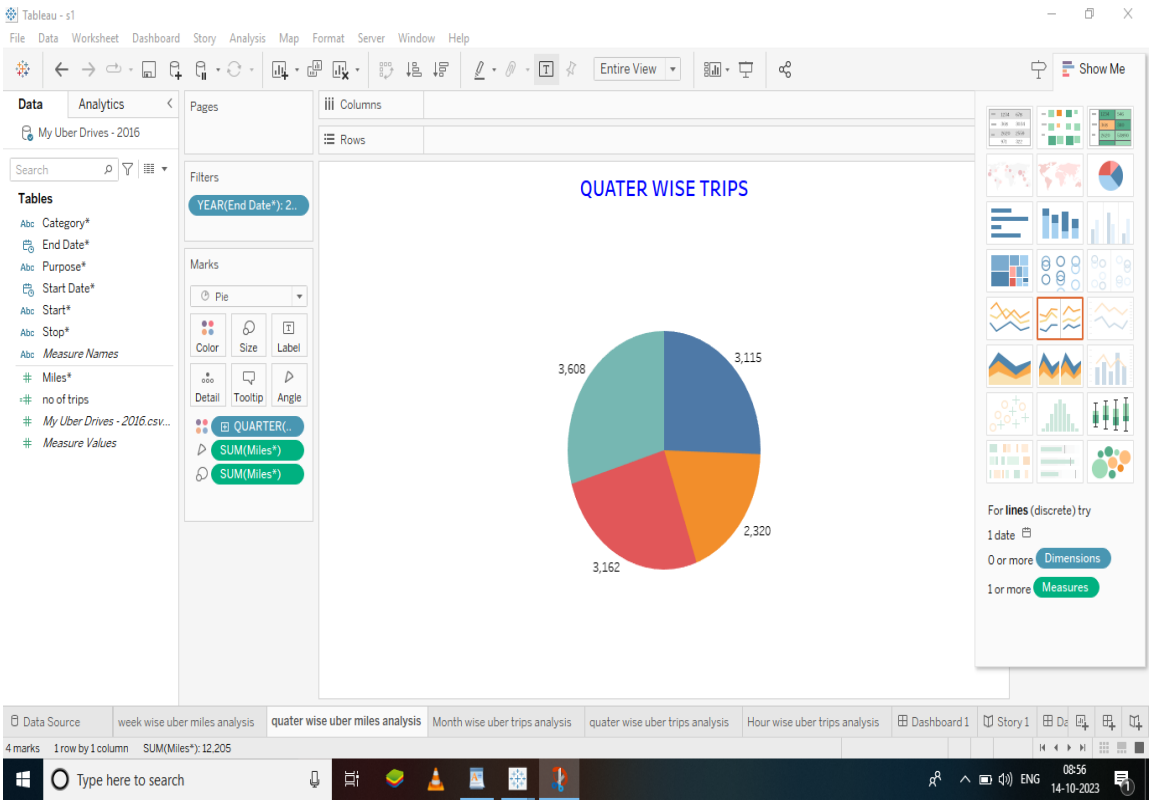
b. Month Wise Uber Miles Analysis



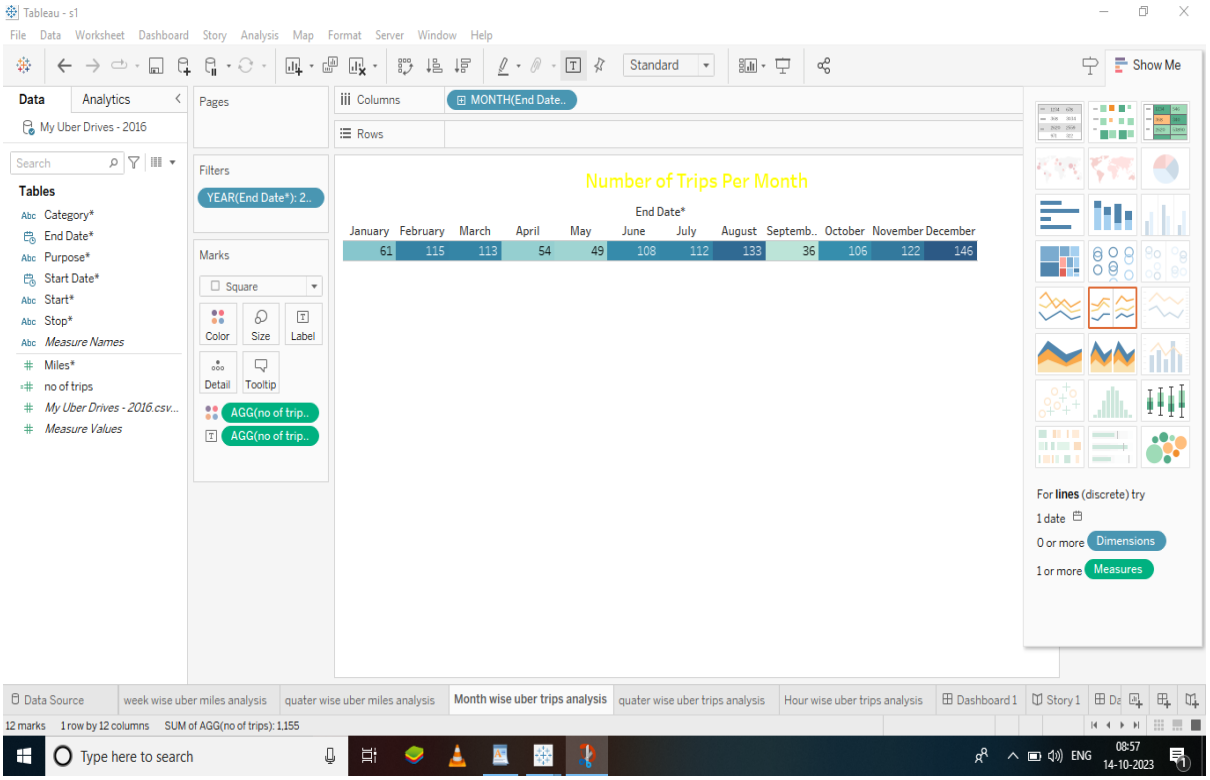
c. Week wise Uber Miles Analysis



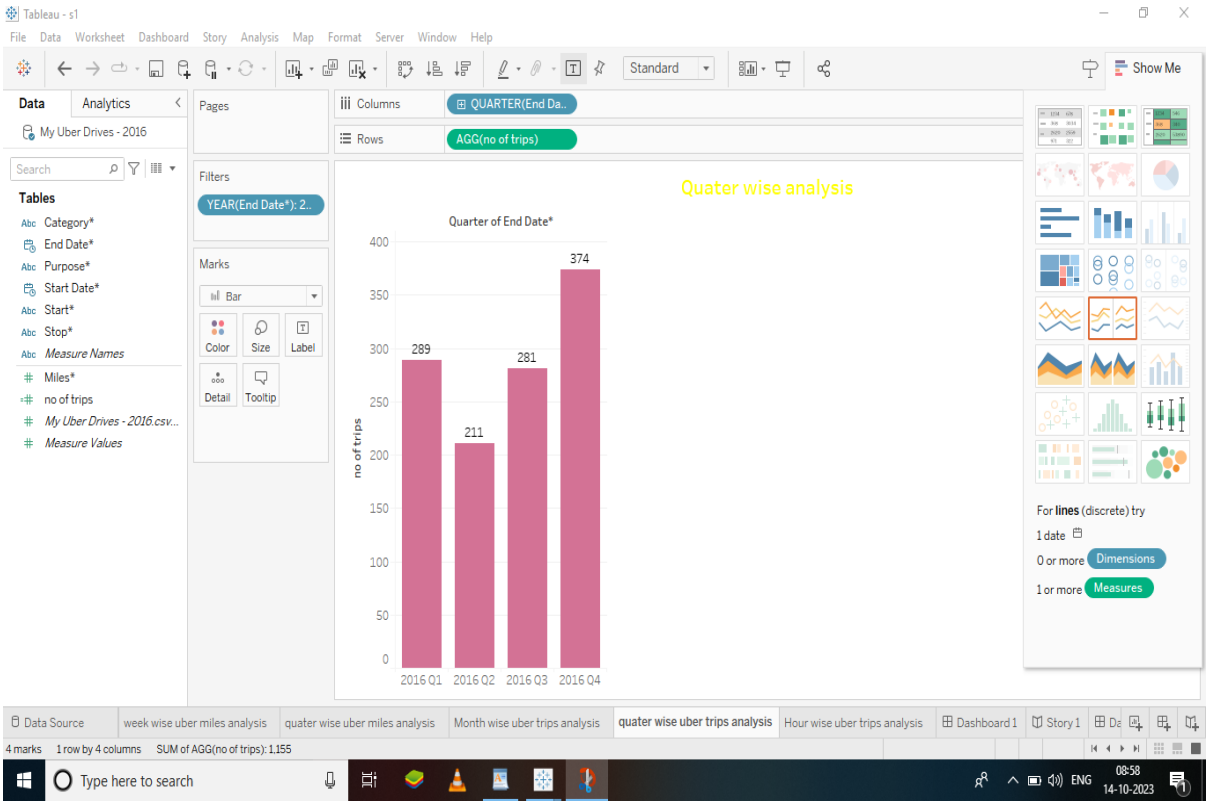
d. Quarter wise Uber Miles Analysis



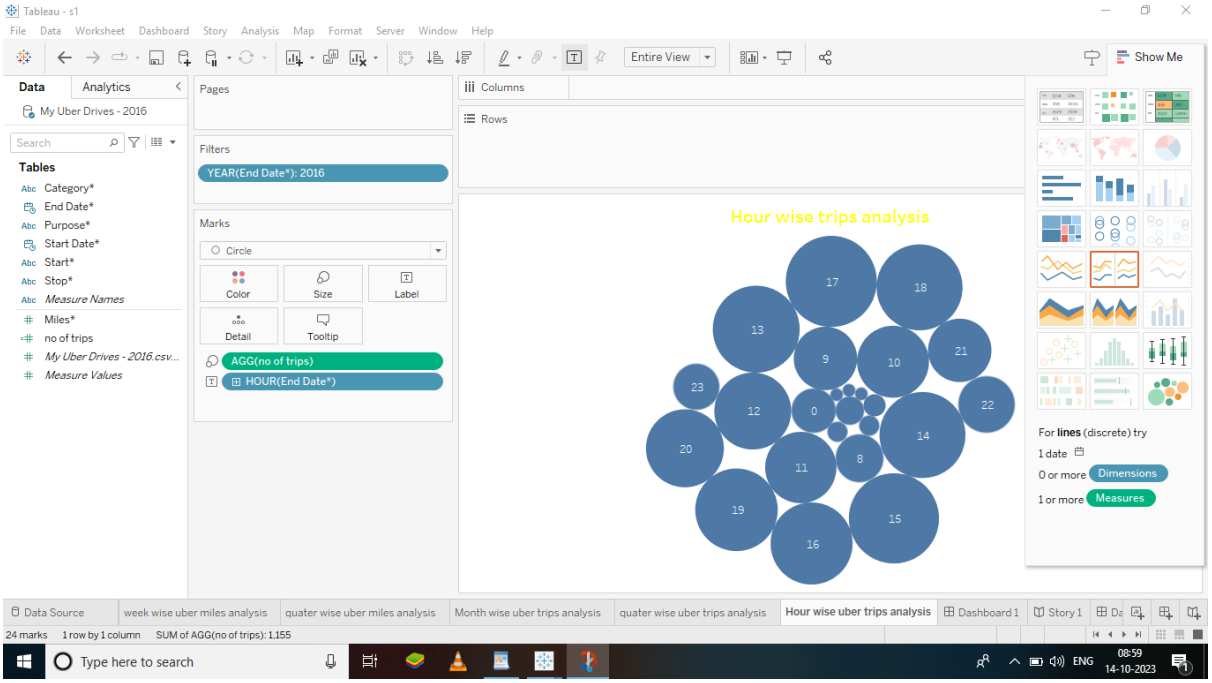
e. Month wise Uber Trips Analysis



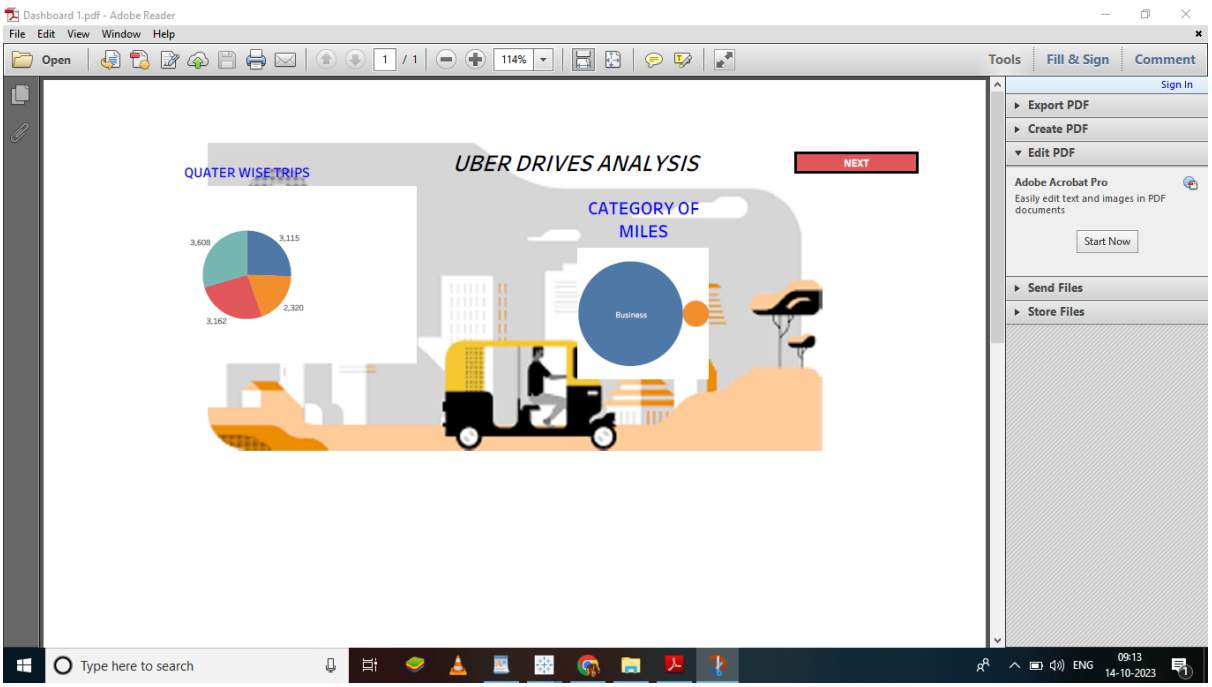
f. Quarter wise Uber Trips Analysis

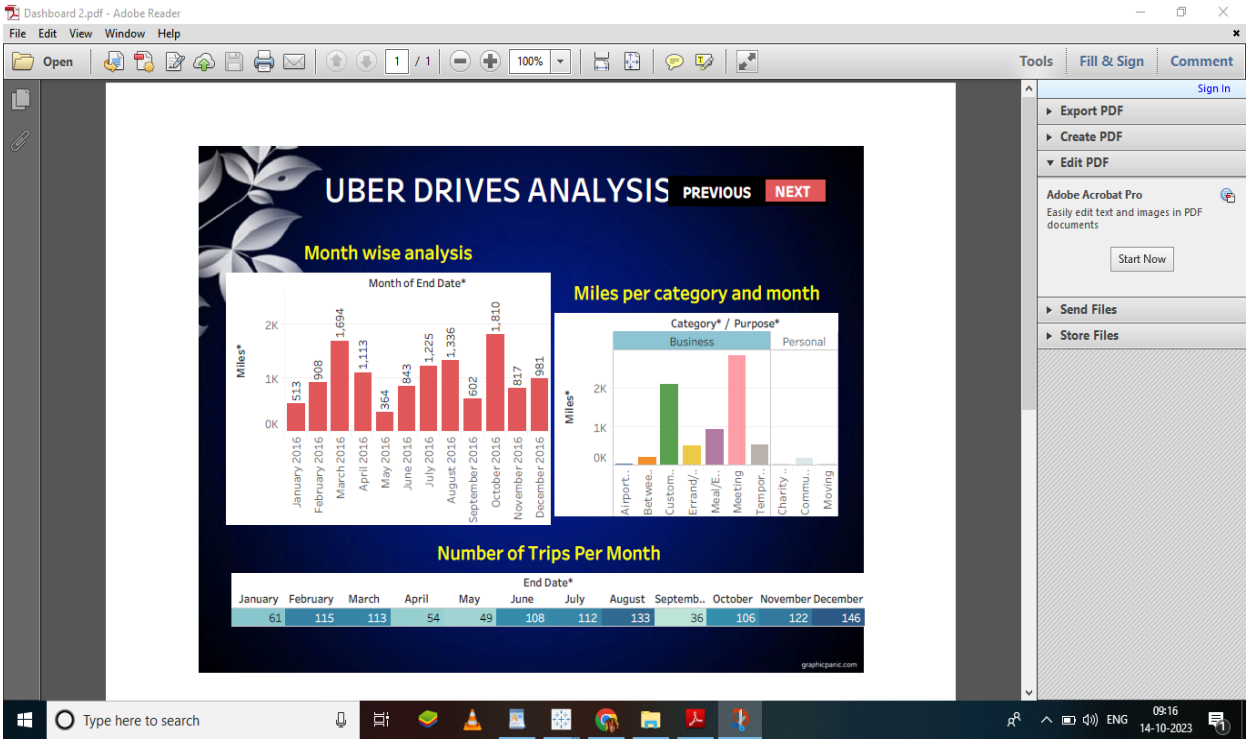


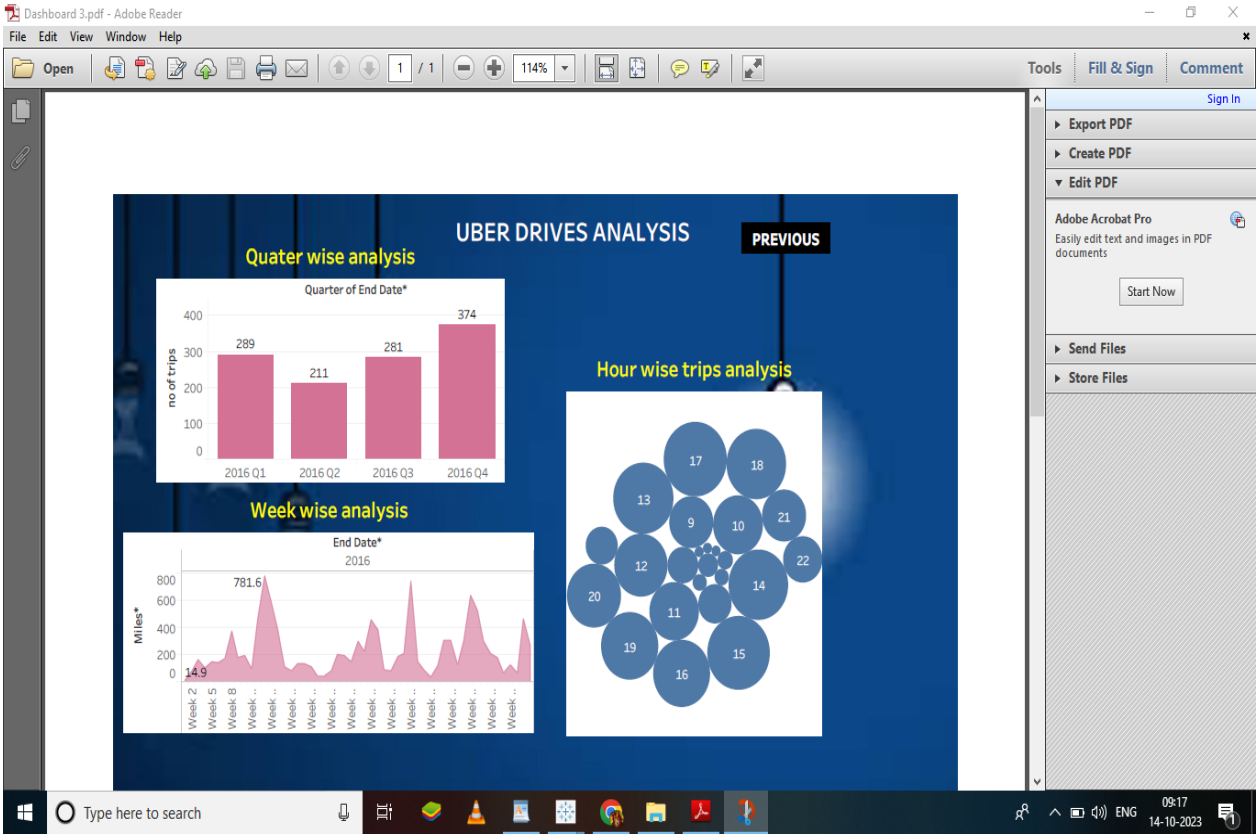
g. Hour wise Uber Trips Analysis



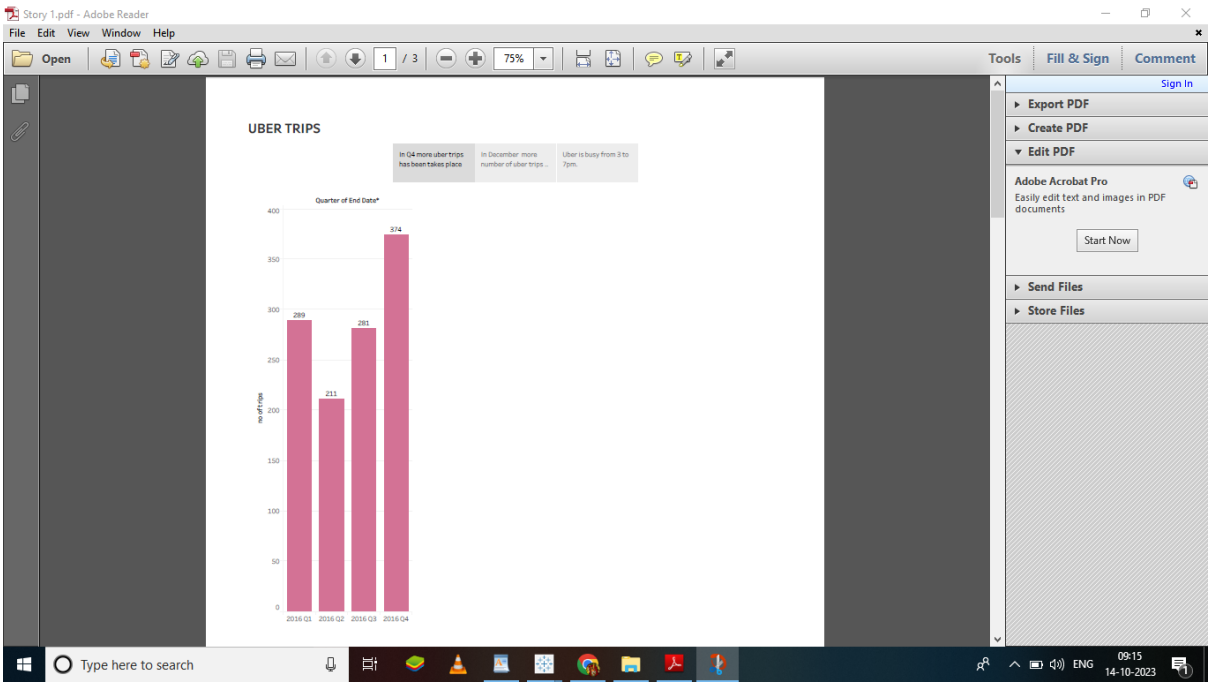
3.2 DASHBOARDS




Dashboard 2.pdf - Adobe Reader
File Edit View Window Help
Open
Tools
Fill & Sign
Comment
Sign In
Export PDF
Create PDF
Edit PDF
Adobe Acrobat Pro
Easily edit text and images in PDF documents
Start Now
Send Files
Store Files
UBER DRIVES ANALYSIS
PREVIOUS
NEXT
Month wise analysis
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
January 2016
February 2016
March 2016
April 2016
May 2016
June 2016
July 2016
August 2016
September 2016
October 2016
November 2016
December 2016
Miles per category and month
Category* / Purpose*
Business
Personal
Number of Trips Per Month
End Date*
January February March April May June July August Septemb.. October November December
61 115 113 54 49 108 112 133 36 106 122 146
graphicpanic.com
Type here to search
ENG
09:16
14-10-2023


Dashboard 3.pdf - Adobe Reader
File Edit View Window Help
Open
Tools
Fill & Sign
Comment
Sign In
Export PDF
Create PDF
Edit PDF
Adobe Acrobat Pro
Easily edit text and images in PDF documents
Start Now
Send Files
Store Files
UBER DRIVES ANALYSIS
PREVIOUS
Quater wise analysis
Quarter of End Date*
no of trips
289
211
281
374
2016 Q1
2016 Q2
2016 Q3
2016 Q4
Hour wise trips analysis
Week wise analysis
End Date*
2016
Miles*
781.6
14.9
Type here to search
ENG
09:17
14-10-2023

3.3 STORY



4.ADVANTAGES AND DISADVANTAGES

4.1 ADVANTAGE S

- Through this uber trips drivers can analyse the short routes and reach the destination as soon as possible
- passengers can able to book uber in different areas at different time as well in their trouble situation also
- uber provide door to door convenience, safety and reliable quality

4.2 DISADVANTAGES

- Elder people or people from rural areas may not have adequate knowledge about online booking for uber
- Booking in online may not work if the climate condition is worst or if there is any network issues

- uber's entry into the taxi industry disrupted traditional business models as it introduced the concept of "ride-sharing" , wherein ordinary individuals with a car should up as drivers

5. APPLICATION S

- Uber plays a major role for door delivery of goods and groceries
- It helps in door to door delivery of people that provide safe transport
- uber can be used by all people as it is not expensive and more transport friendly

6.CONCLUSION

In this project estimation of uber expeditionary analysis is analysed with the help of tableau . For this, data are collected from various sources. First, we define the problem in the form of empathy map and brainstorming. Then the collected data set are connected to the tableau and we created various charts like BUBBLE chart, Bar chats, pie charts. Finally we create dashboard and story using these charts. Also from these charts we analysed the estimation of uber in various sectors.

6. FUTURE SCOPE

- Since payment of cash in uber is one -fourth of that of normal auto and cabs, in future many people, tourist, foreigners would prefer uber
- By allocating many uber services in places where people use it, could benefit many. This can be done by collecting and analysing the data about the usage of uber auto in various places
- Including multi transport system like bike,car,bus would encourage people to use it to travel for a long distance