

FUNDAMENTALS OF DATA ANALYTICS WITH TABLEAU

PROJECT TITLE

***VOYAGE VISTA: ILLUMINATING INSIGHTS FROM UBER
EXPEDITIONARY ANALYSIS***

NAAN MUDHALVAN PROJECT ID

NM2023TMID27837

TEAM MEMBERS

- 1. T.KALAISELVAM [TEAM LEADER]***
- 2. T.ESWARAN***
- 3. MANANTHARAJA***
- 4. MAJAYRAM***



PG AND RESEARCH DEPARTMENT OF PHYSICS

RAJA DORAISINGAM GOVERNMENT ARTS COLLEGE

SIVAGANGAI-630561

VOYAGE VISTA: ILLUMINATING INSIGHTS FROM UBER EXPEDITIONARY ANALYSIS

INTRODUCTION:

Description of Project:

Voyage Vista: Illuminating Insights From Uber Expeditionary Analysis Uber is a multinational transportation network company that operates a ride-hailing platform. It was founded in 2009 by Garrett Camp and Travis Kalanick and is based in San Francisco, California. Uber provides a convenient way for individuals to request rides from drivers who use their own personal vehicles. Uber Driver Analysis refers to the Analyzing 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 analyzed 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 optimize driver availability during those times. Trips can be analyzed based on geographic regions 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 Analyzing techniques to find unknown patterns in the Uber Drives dataset. The research is carried out on Uber drives data collected from the year 2016.

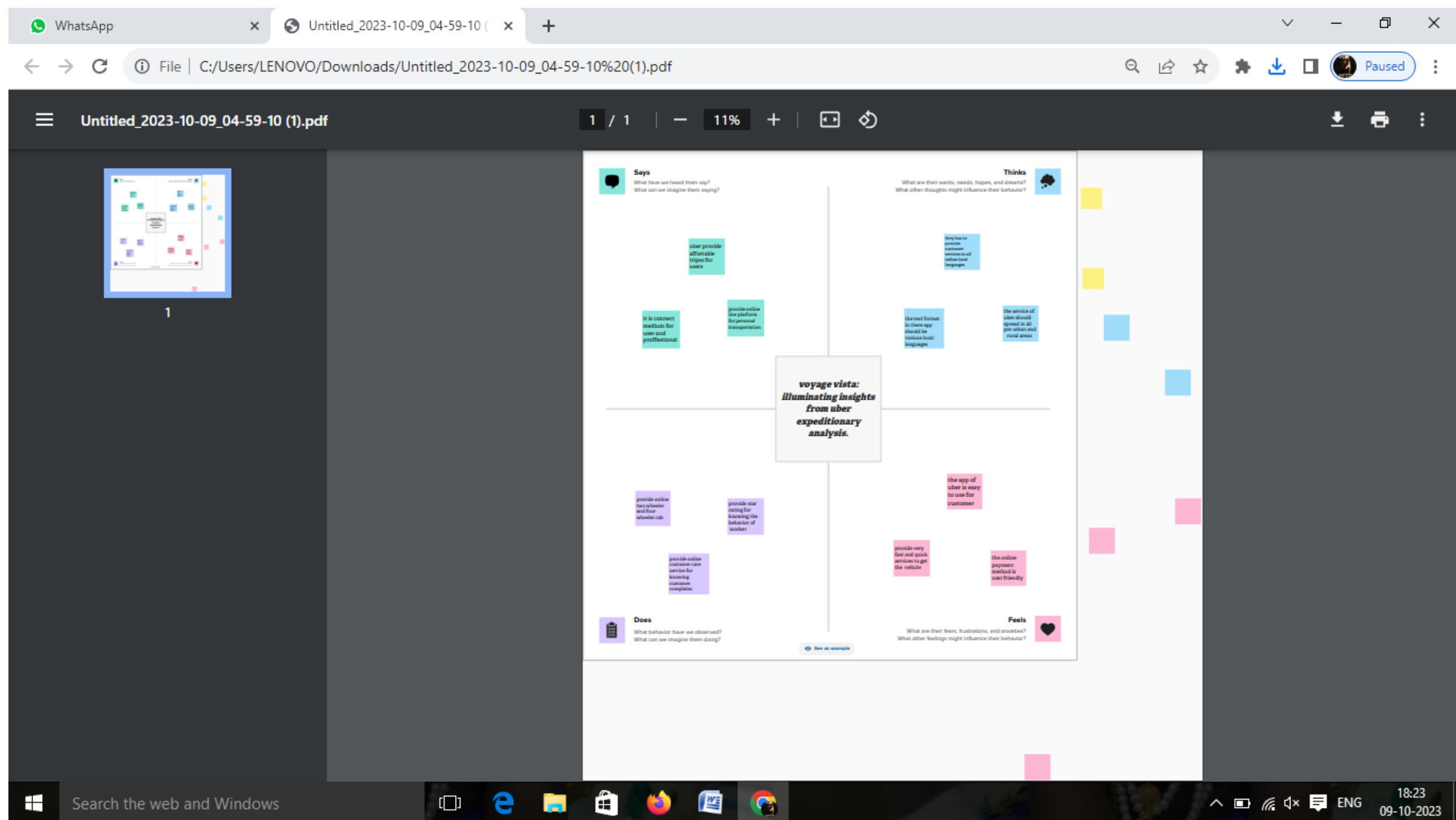
U s e s :

It s use to analyses the details of Voyage Vista: Illuminating Insights from Uber Expeditionary Analysis.

PROBLEM DEFINITION & DESIGN THINKING:

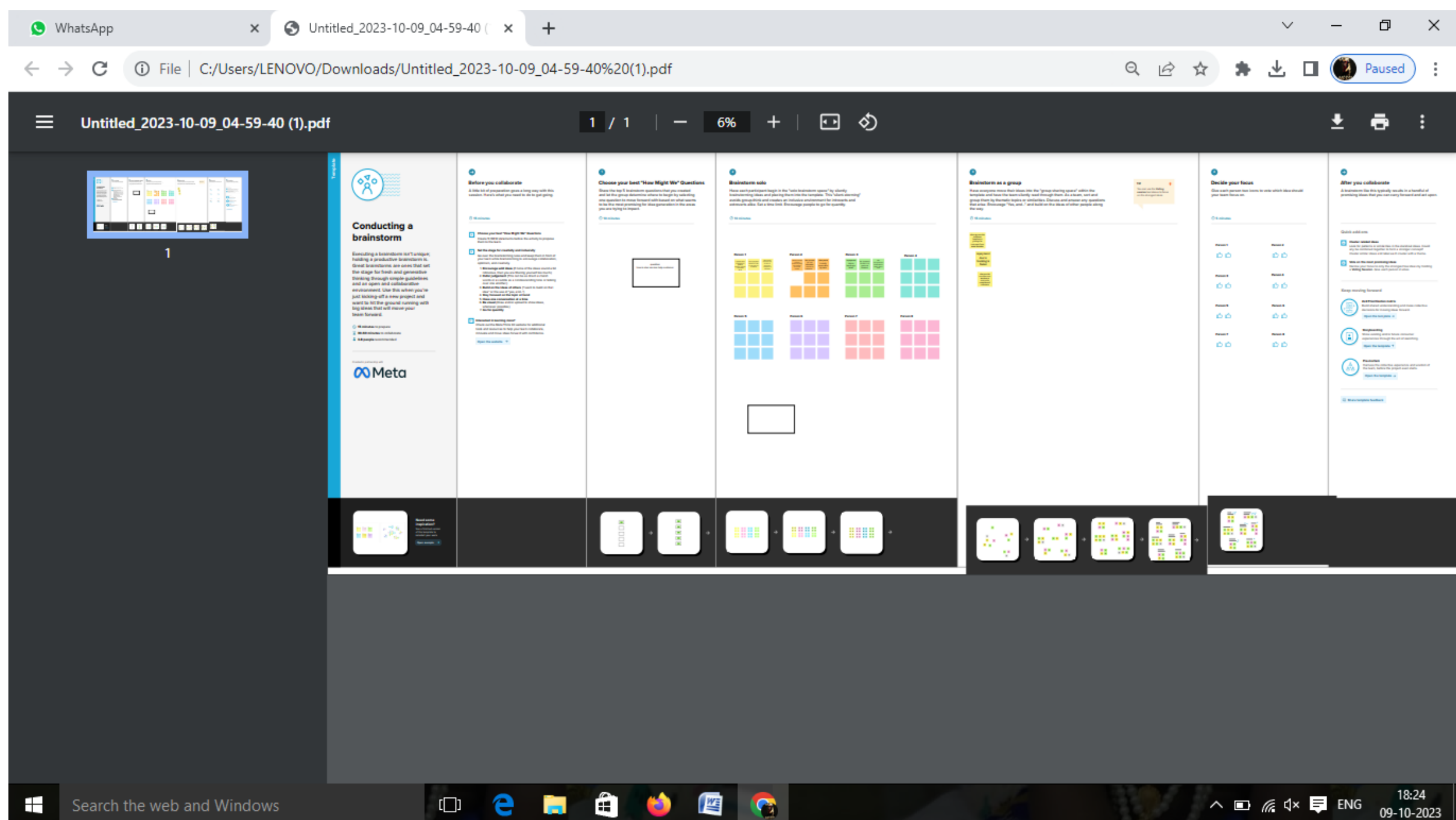
Empathy map:

First we make a empathy map for a group idea .To create a empathy map from mural web site and logic with email account and search the templates that you wanted to create.



BRAINSTORMING MAP:

Then make a brainstorm map with mural website. I brainstorm we discussed the define problem and understand the problem. First we have defined what are the problems and types in the question box. Then it is a group idea and write in the box as person1, person2 and person 3. Now three person give different idea for the same problem. Take best three idea and type in last box.



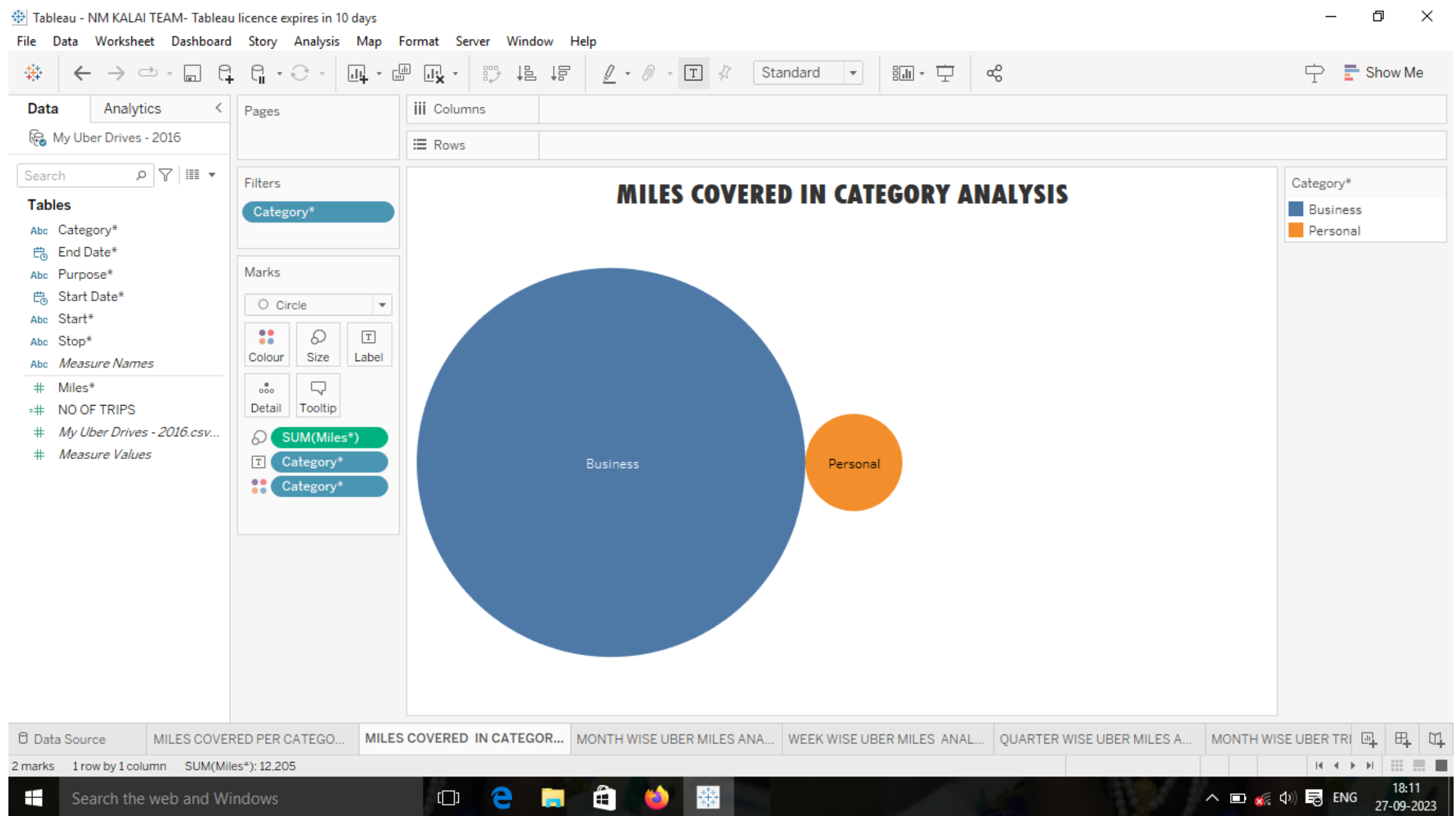
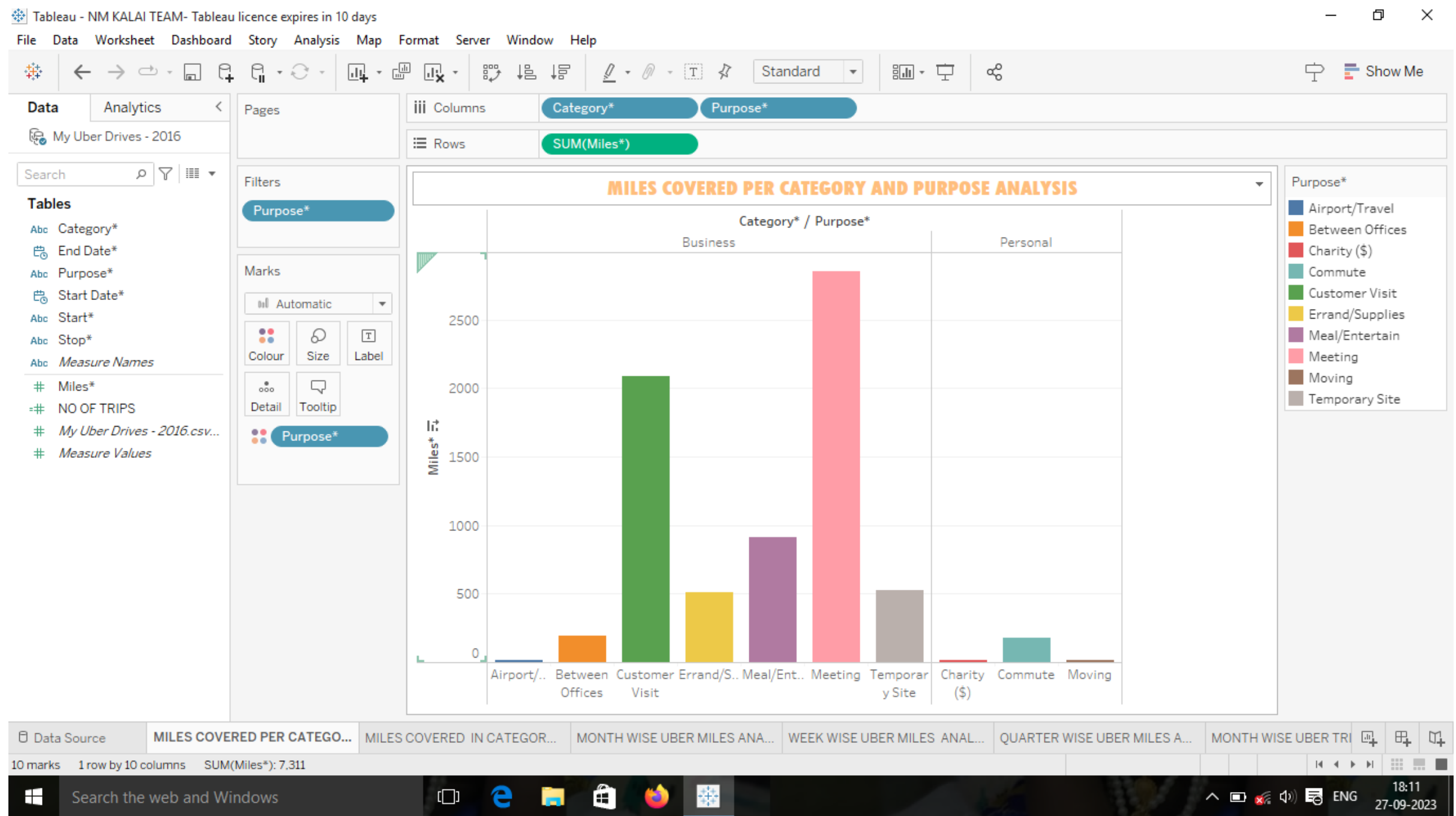
PROCEDURE FOR TABLEAU PROJECT.

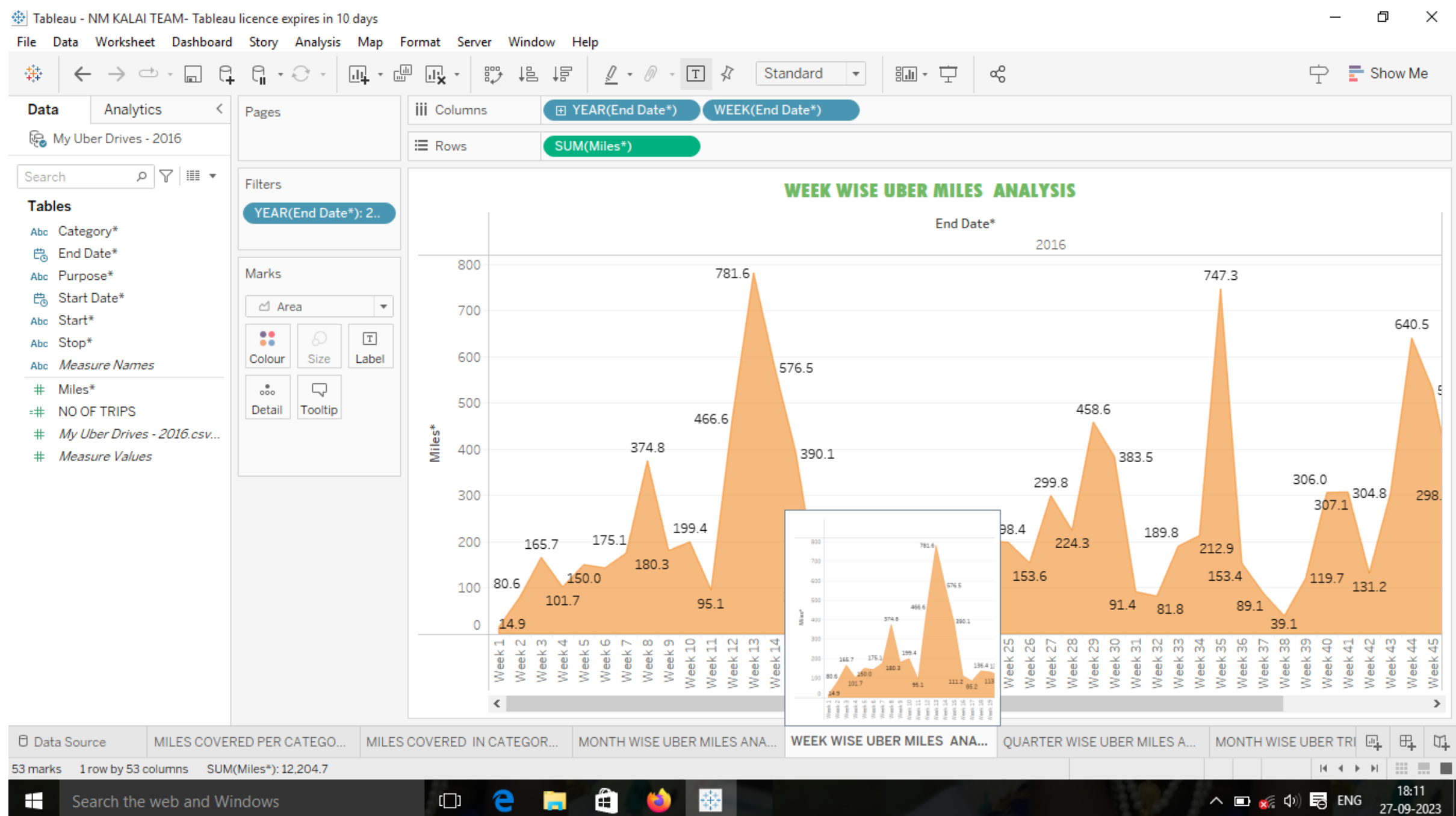
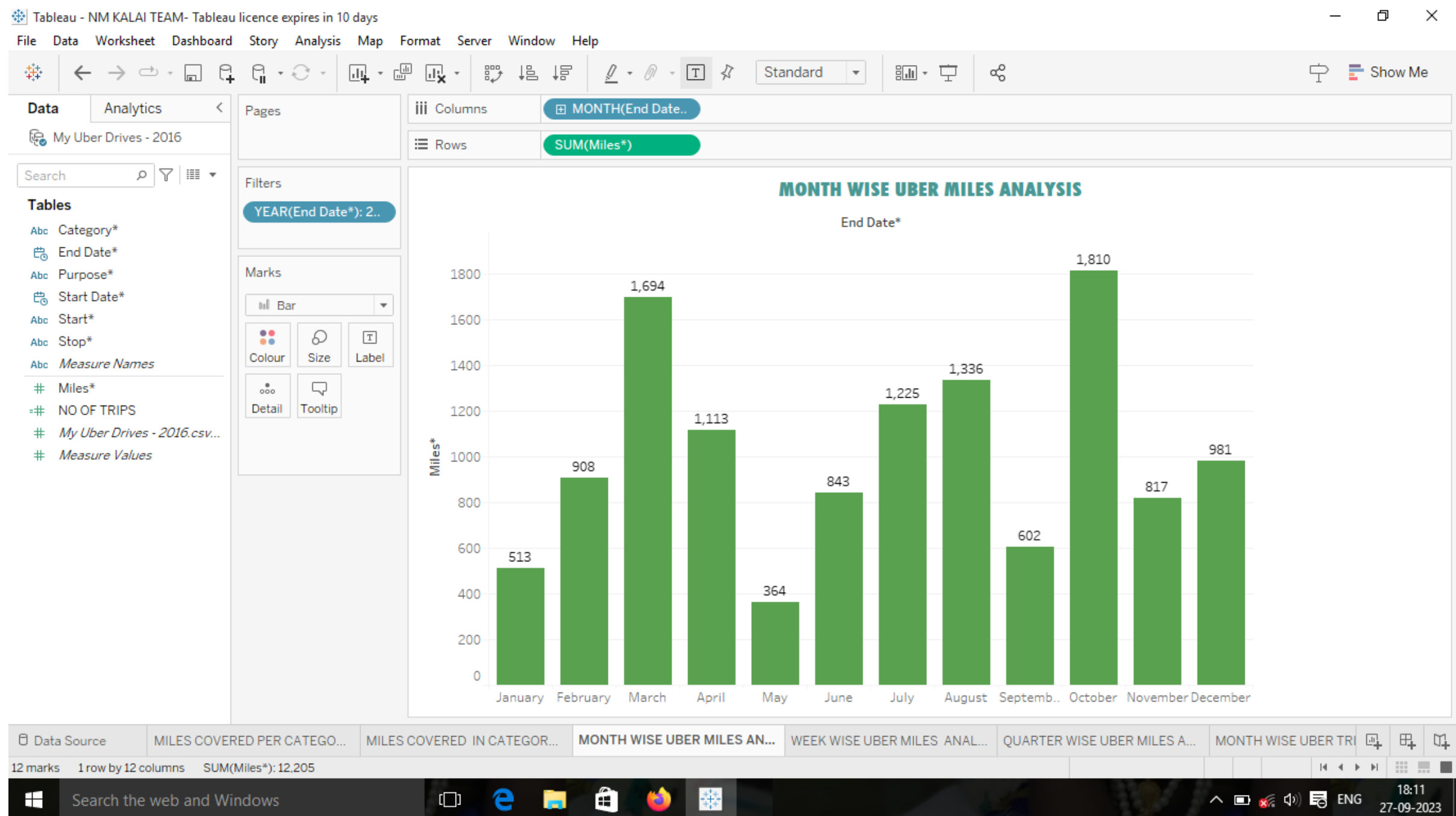
Before opening the tableau desktop we had download the dataset for your project.

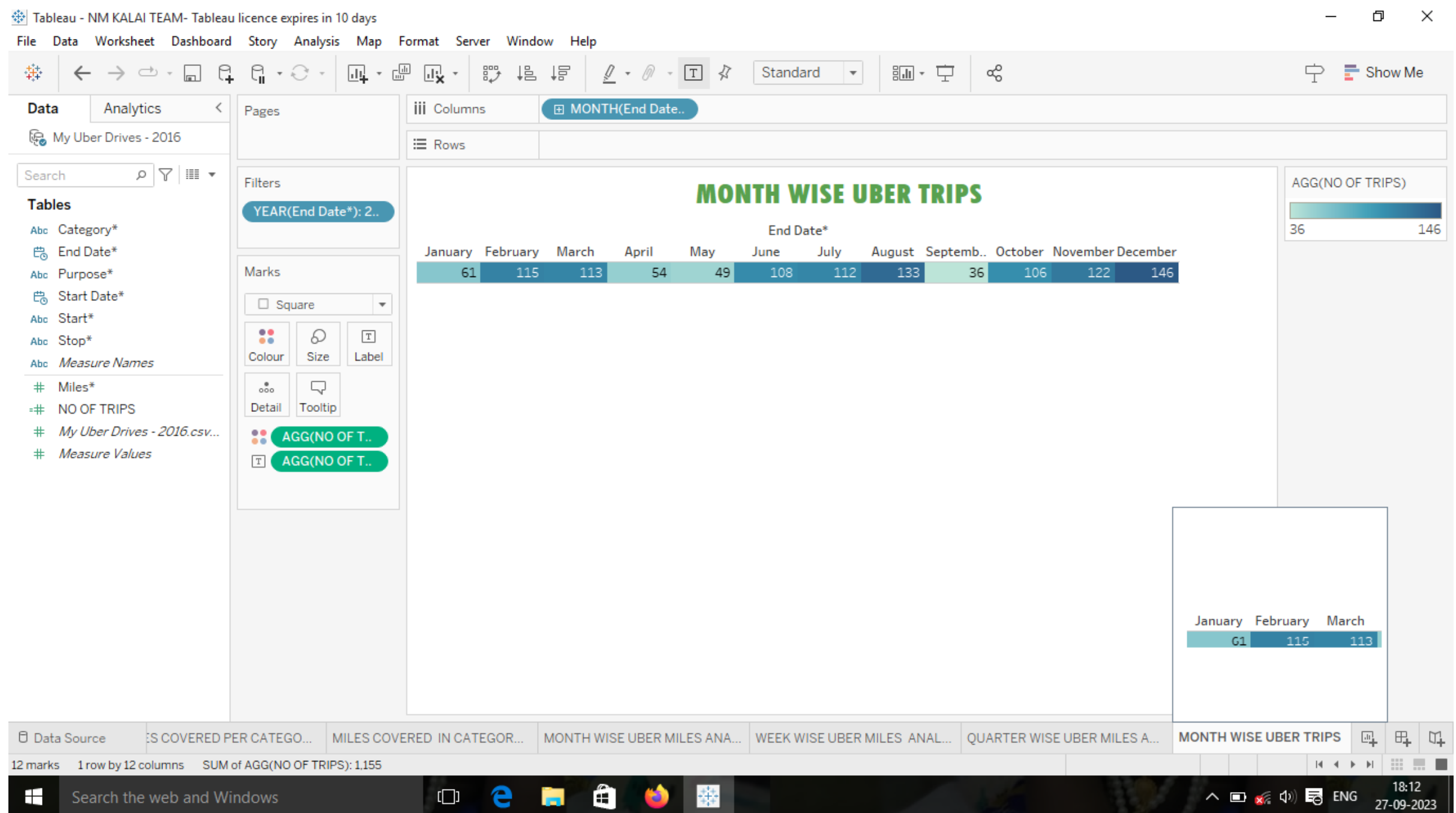
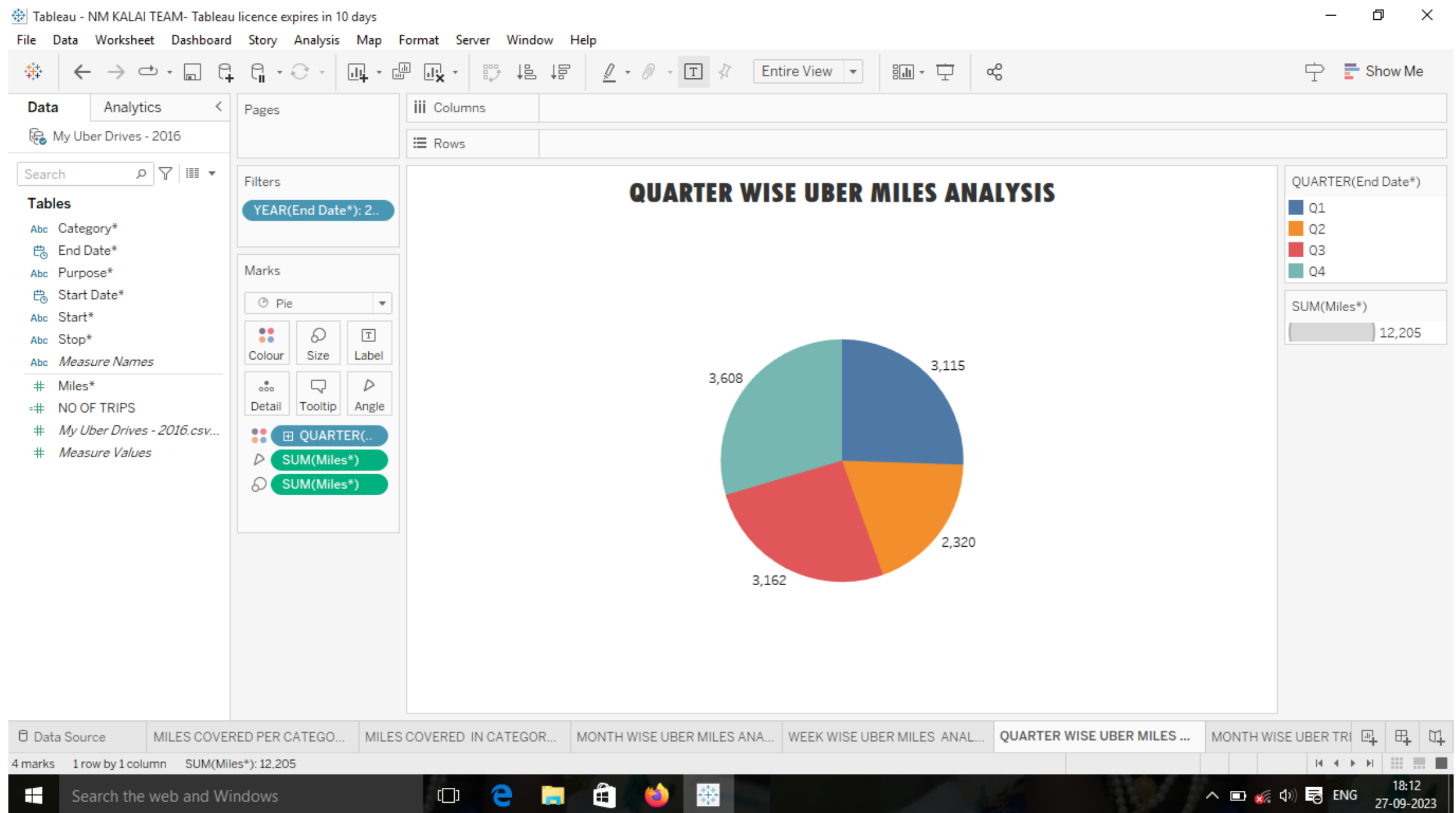
after download the dataset we open the tableau desktop

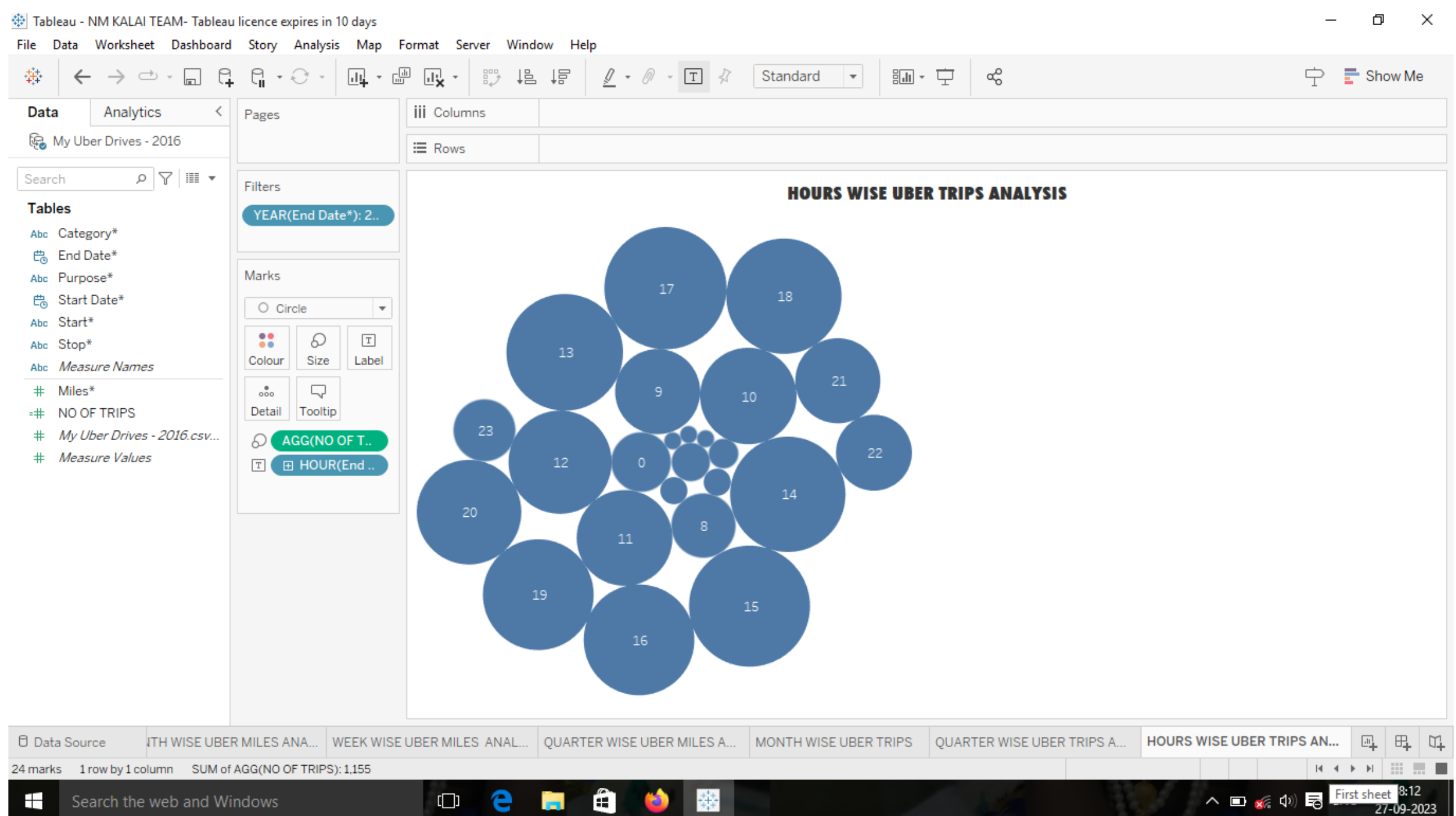
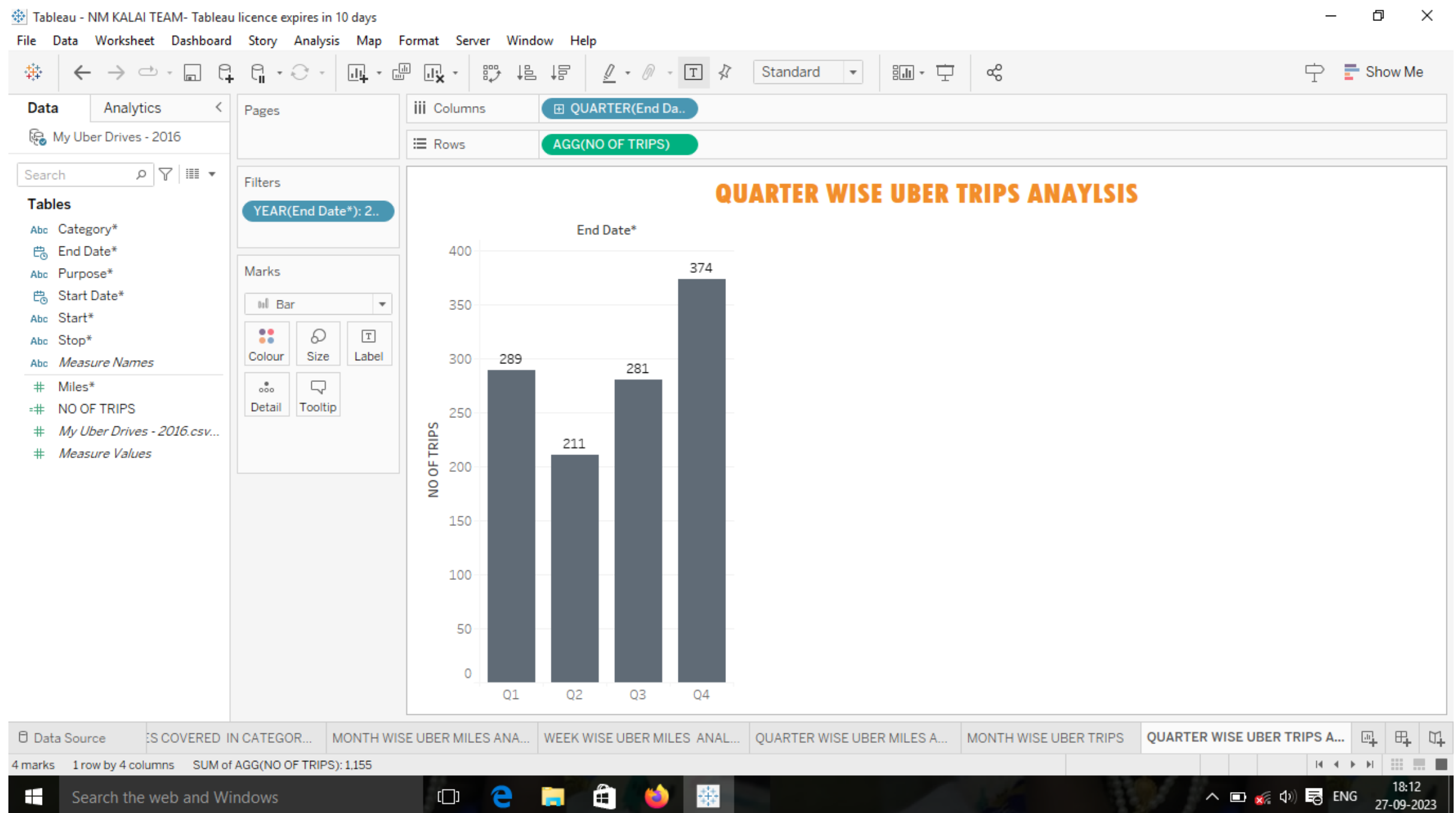
After opening the selected link connect to data, select the “more” option and select the dataset.

It opens in the data source, now we arranged the data and select the “extract” option for the better performance for you analysis. We have arranged our project in the order airports data is first, air route as second, airlines and airplanes are joined together with air routes. Now we have switched to extract mode and we have created 6000+ row that we need. After we saved the data.





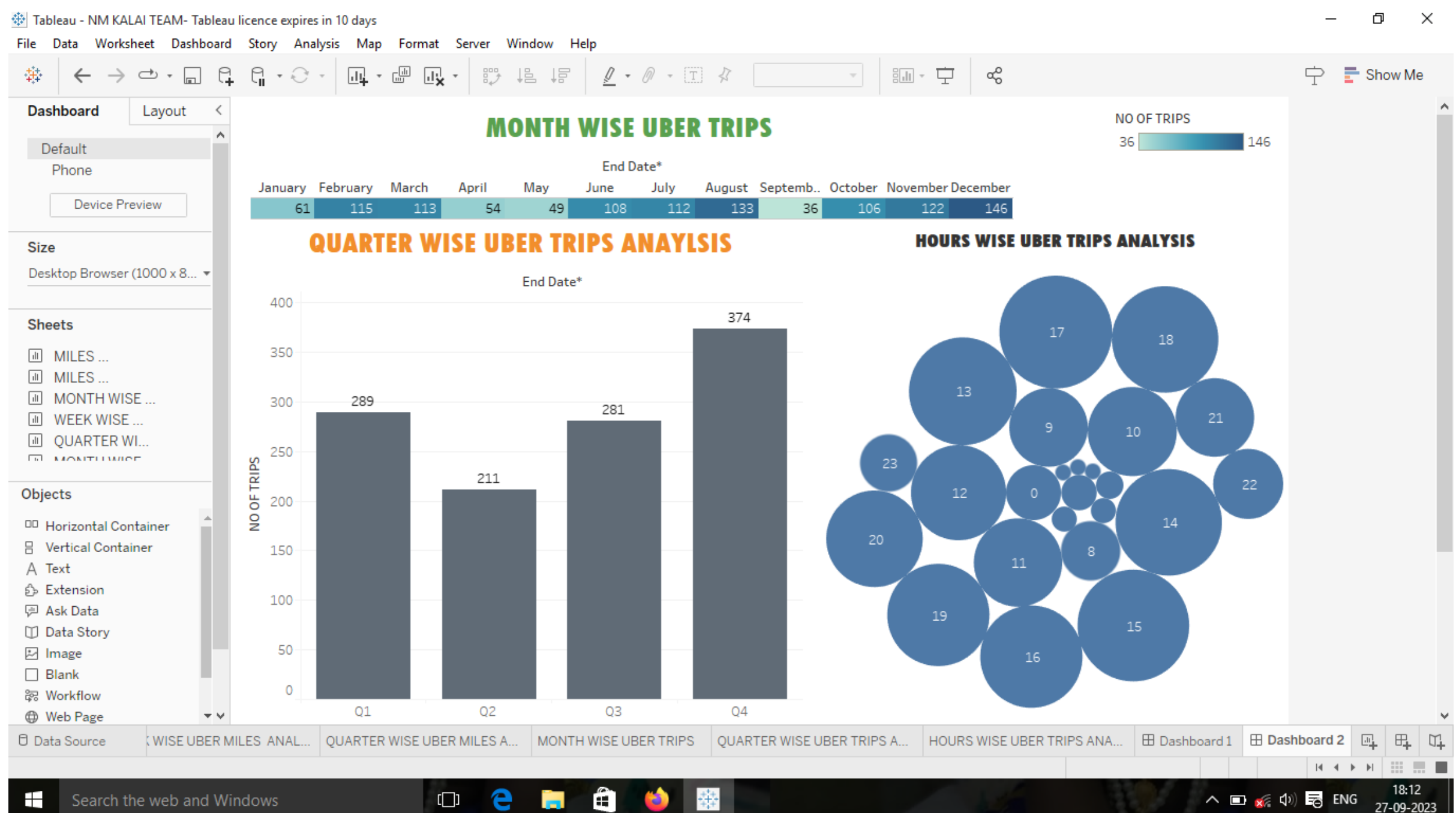
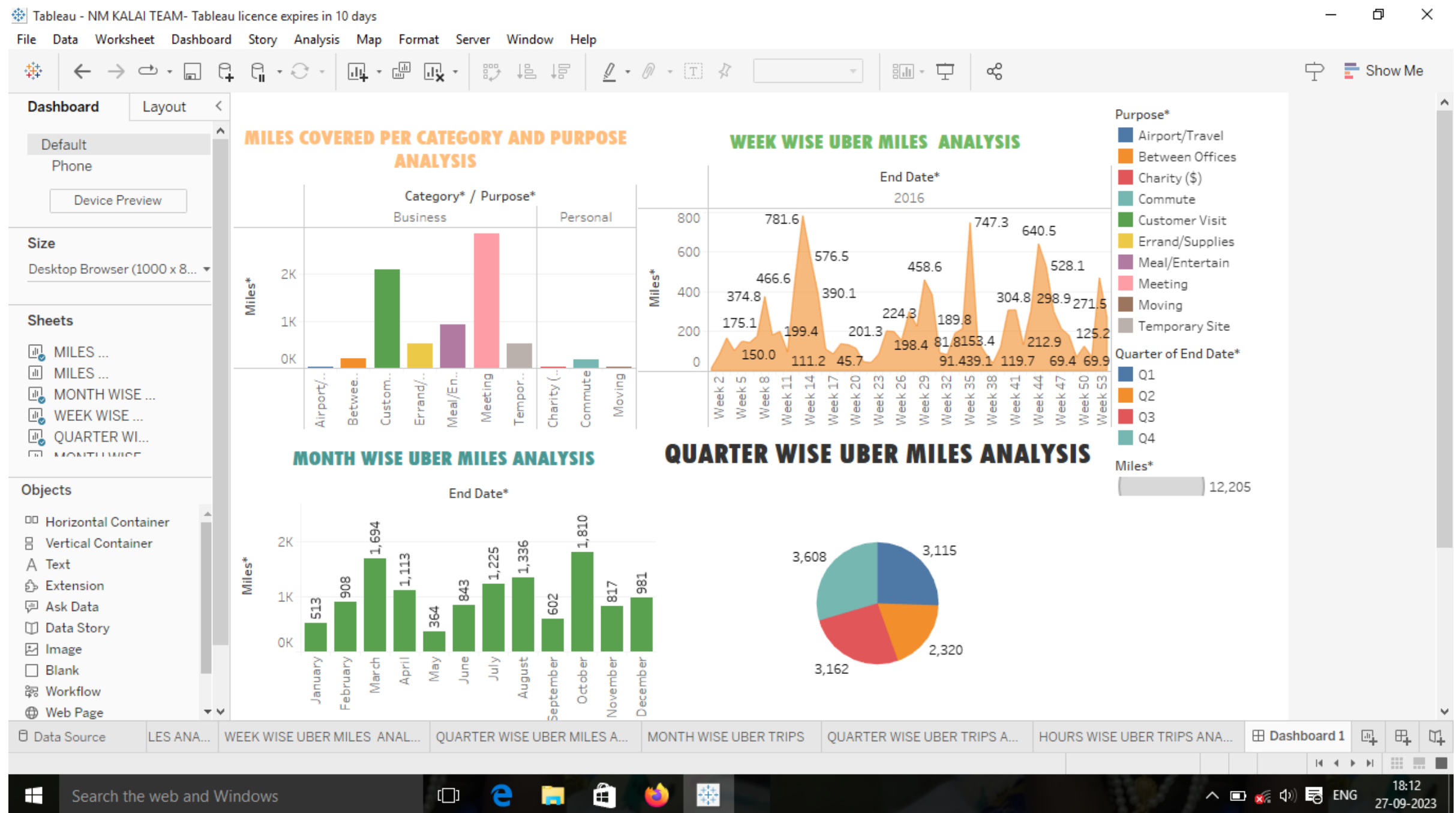




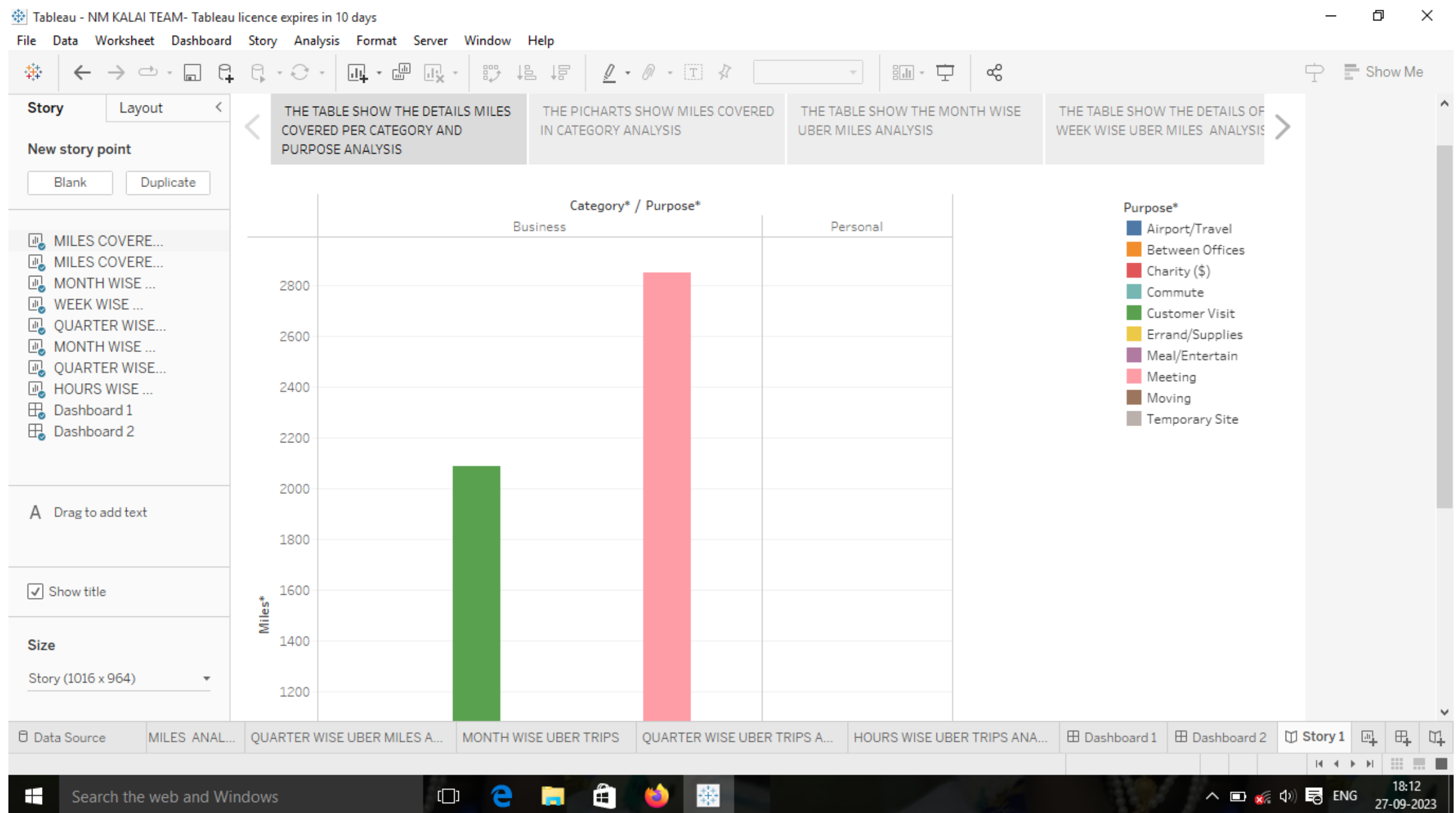
After finishing the analysis data, add a dashboard.

*In the dashboard we can combine more sheets in single dashboard.
The dashboard contains the combine of sheet that we created.*

RESULT:



We created a story in the tableau desktop.



Sign into the tableau account.

Publish the workbook in the tableau cloud.

Upload the project in the github.

ADVANTAGES:

It used to user to get a holistic view of the entire data one screen about uber expeditionary analysis.

It used to saves times and resources.

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.*

Application:

This visualizing and analyzing is very easier to analyses the data of the uber expeditionary analysis and it help in making business decision.

Conclusion:

The tableau desktop is very useful to analyses the large number of data in one screen. We have learn how to analyses the data, how visualizing the data and how to create a dashboard and story.

Our project is voyage vista: illuminating insights from uber expeditionary analysis and has more 8 sheets, 2 dashboards and 1 story.