1)INTRODUCTION

1.1 Overview

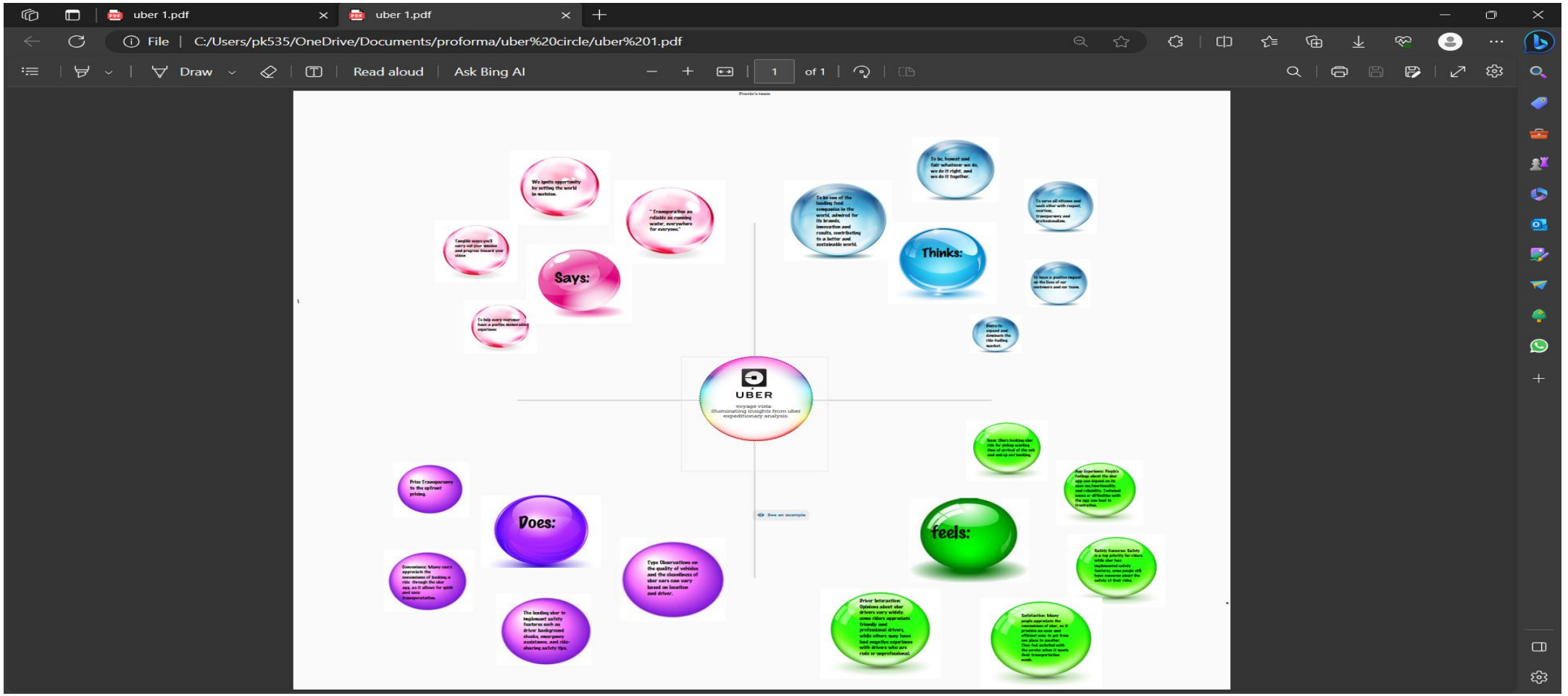
This analysis can help Uber drivers decide where to focus their driving efforts for maximum efficiency and profitability. The Major of our project is to use data Analyzing techniques to find unknown patterns in the Uber Drives dataset. The research is carried out on Uber drives data collected from the year 2016. Technical Architecture.

1.2 Purpose

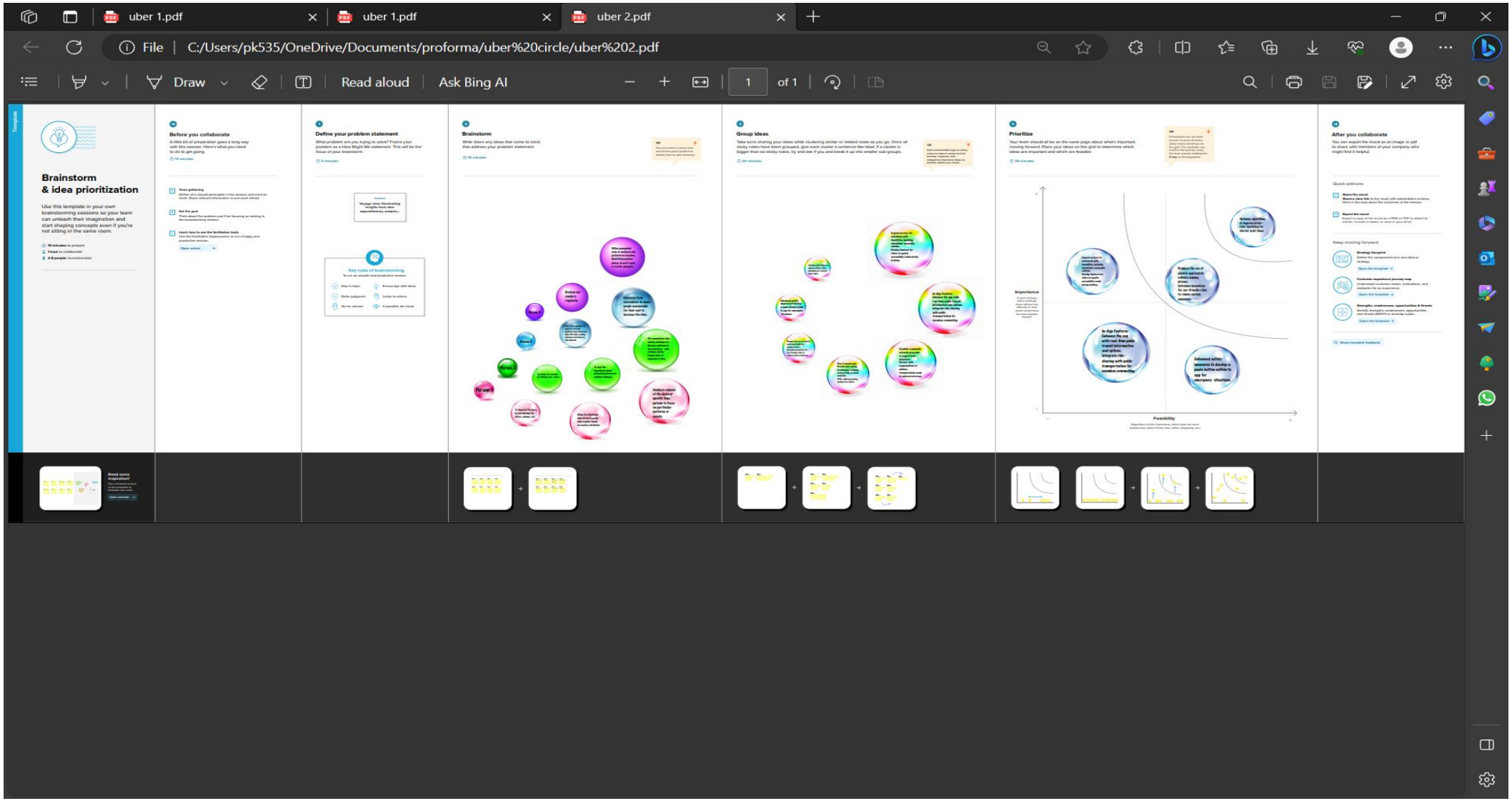
Uber's data can be analyzed on a daily, weekly, monthly basis to understand the trends and patterns of trip volumes. This analysis can help identify peak hours or days of high demand and optimize driver availability during those times.

2) Problem Definition & Design thinking

Empathy Map

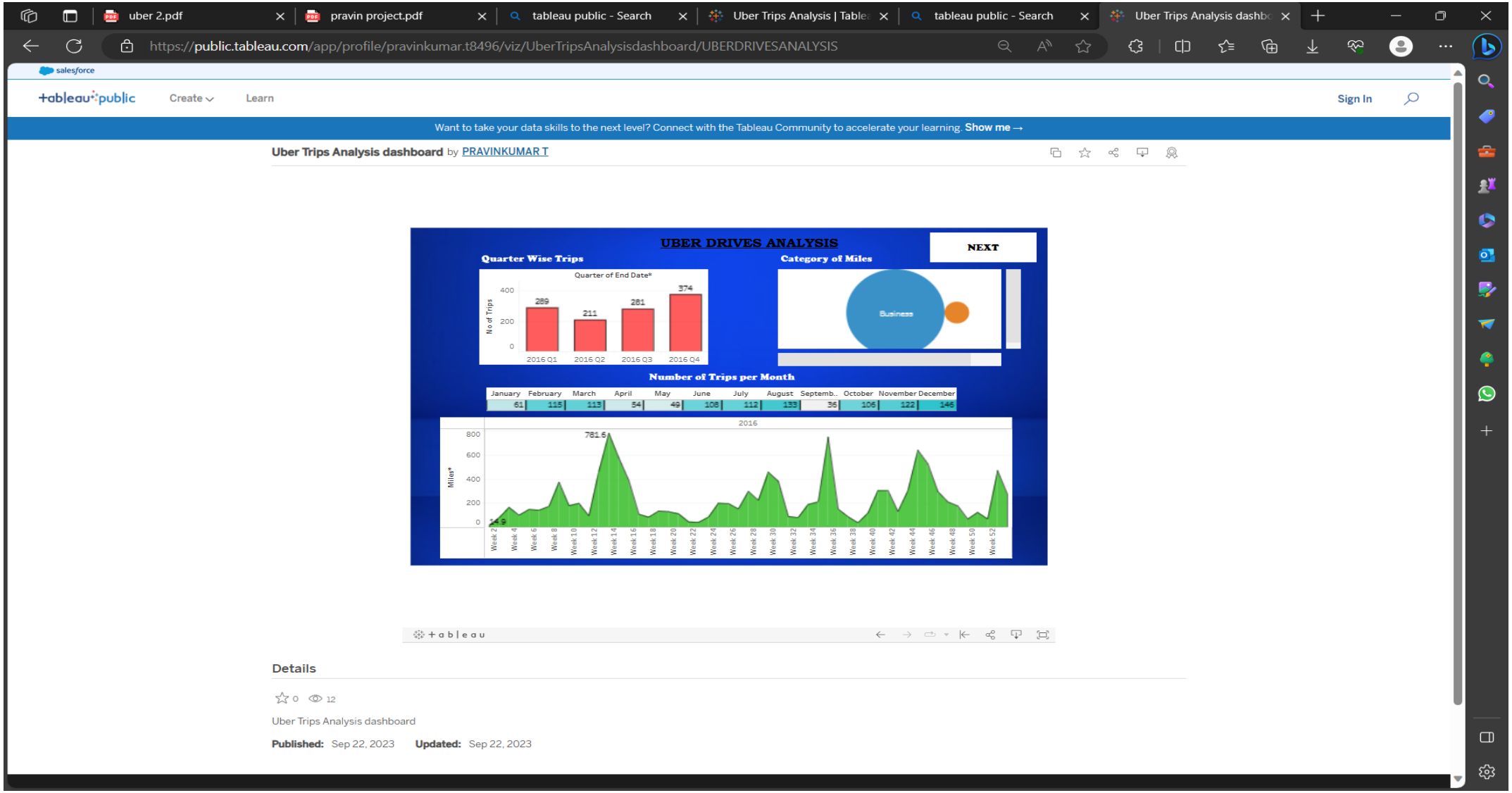


Brainstorming Map

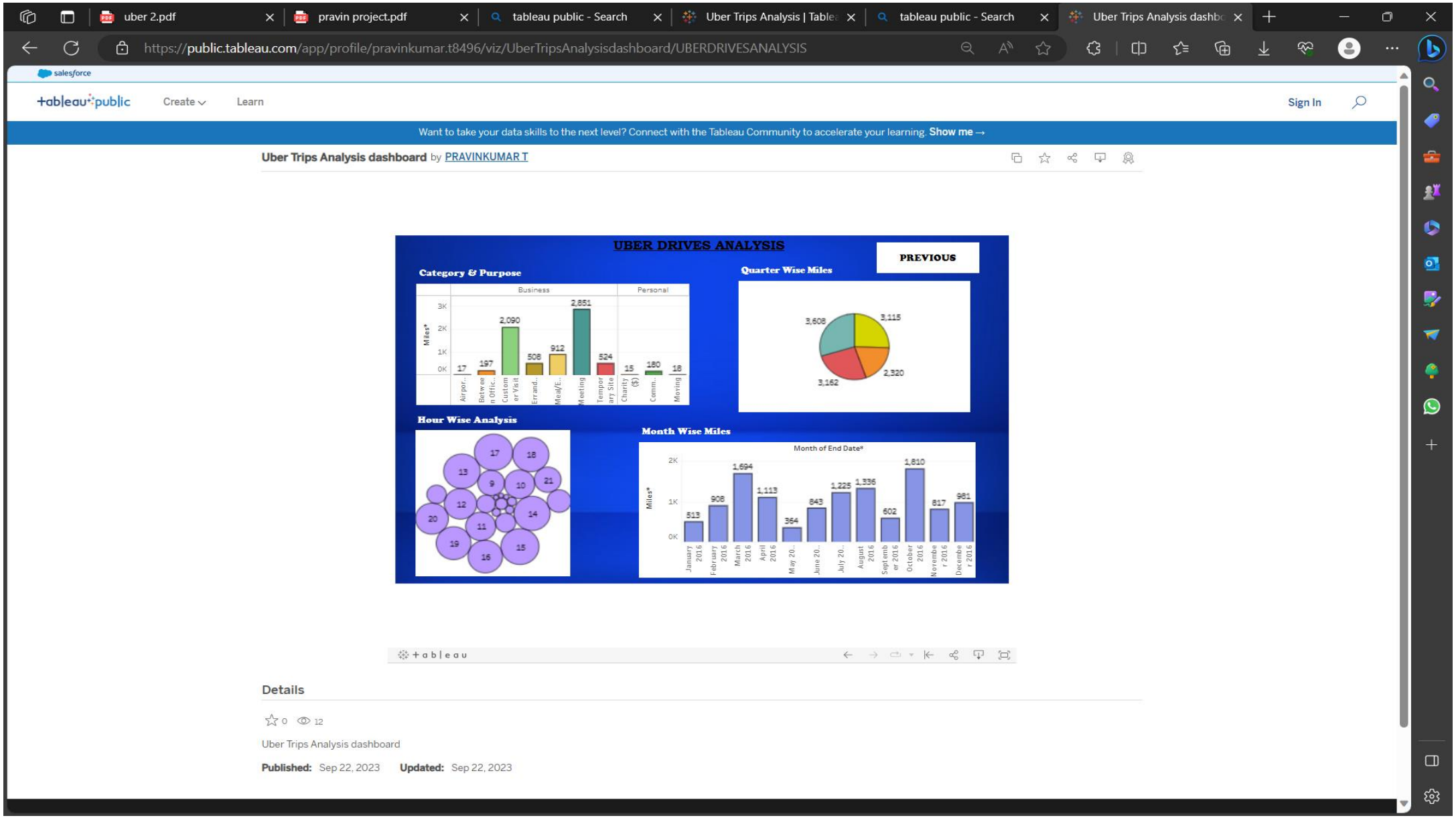


3) RESULT

Dashboard 1



Dashboard 2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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
Airpor..
Betwee n Offic..
Custom er Visit
Errand..
Meal/E..
Meeting
Tempor ary Site
Charity ($)
Comm..
Moving
Quarter Wise Miles
3,608
3,115
3,162
2,320
Hour Wise Analysis
17
18
13
9
10
21
12
14
20
11
19
15
16
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
January 2016
February 2016
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April 2016
May 20..
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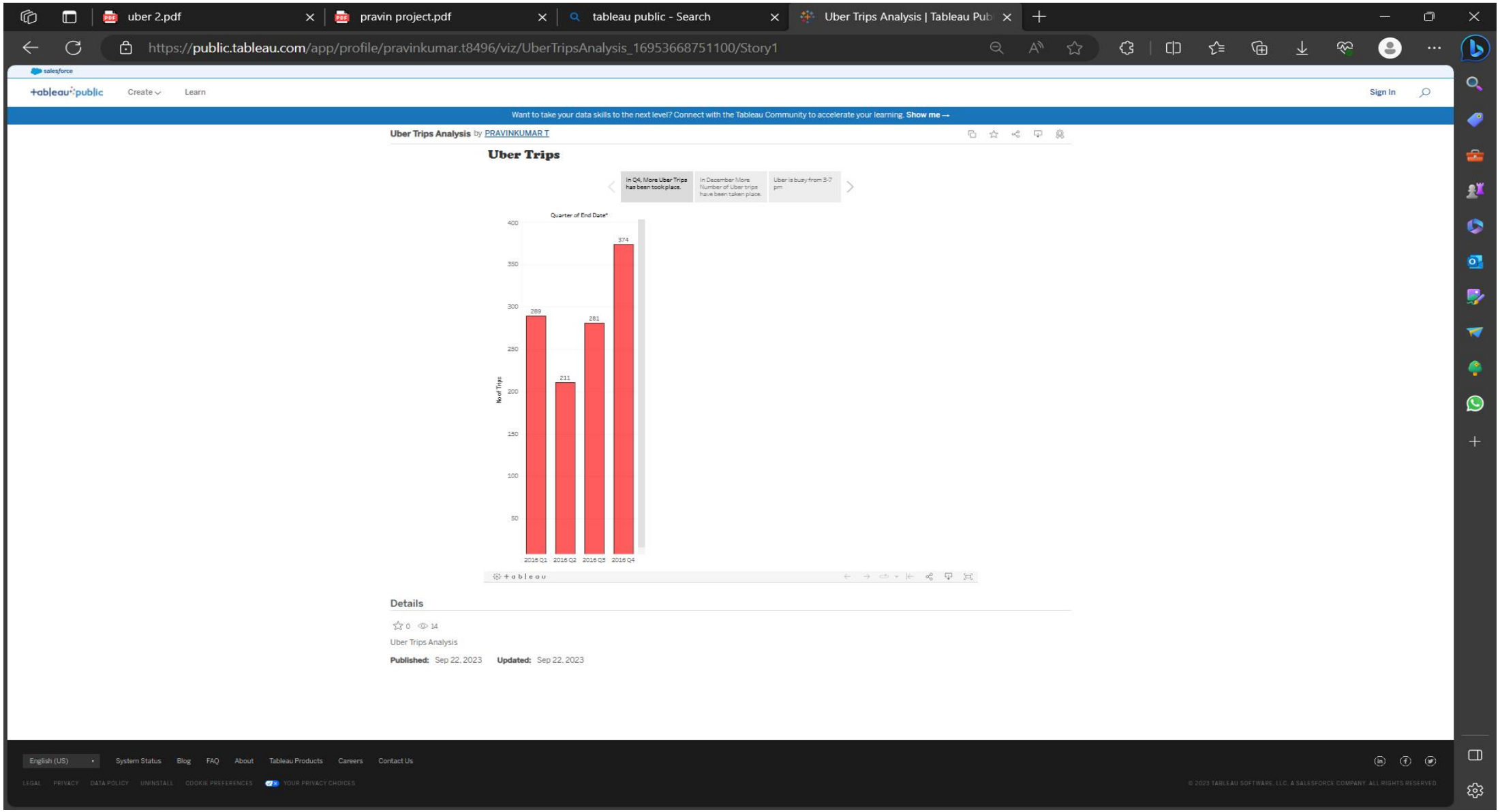
STORY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Uber Trips
In Q4, More Uber Trips has been took place.
In December More Number of Uber trips have been taken place.
Uber is busy from 3-7 pm
Quarter of End Date*
No of Trips
400
350
300
250
200
150
100
50
289
211
281
374
2016 Q1
2016 Q2
2016 Q3
2016 Q4
Details
0
14
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Feedback:

ADVANTAGES

- Simplicity of realization relatively to small back and forth motions .
- Sophisticated transfer mechanisms are not required .
- Ease at reversion movements.
- It is very smooth speed control system over a very wide range .
- The speed can be controlled in both the direction of rotation of the motor easily .

DISADVANTAGES

- The system is very costly because two extra machines are required.
- Overall efficiency of the system is not sufficient especially if it is lightly loaded.
- Larger size and weight requires more floor area.
- Shaft bearings and mechanical drive units require frequent maintenance.

5. APPLICATIONS

1.Schedule driving times around surge pricing: When there are a lot of ride requests in a certain area and not enough drivers to support the high demand, surge pricing kicks in. During surge, Uber assigns a multiplier to the price of the ride. It can be 2x, 4x, 5x, etc., which means that riders will pay more and drivers will earn more during surge rides. You can make the most of surge pricing by knowing where the surge is and driving during it.

2.Refer friends: Uber is always looking for new drivers, so if you can get a few friends to sign up to drive, you can earn a referral bonus .

3.Track and reduce expenses: Keep track of your expenses such as gas, maintenance, and insurance. You can reduce your expenses by driving a fuel-efficient car, maintaining your car regularly, and taking advantage of tax deductions.

4. Drive for Lyft at the same time: You can drive for both Uber and Lyft at the same time to increase your earnings.

5. Go above and beyond: Providing excellent customer service can lead to higher ratings and more tips from riders.

6. Check for weekly promotions: Uber offers weekly promotions that can help you earn extra money.

7. Drive for Uber Eats when there are no rides: If there are no ride requests, you can switch to Uber Eats and deliver food instead

6. CONCLUSION

* 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

7. FUTURE SCOPE

* The on-demand business model has revolutionized the current business models according to the latest trends and ideas with the specialized set of features, functionalities, technologies that satisfy the customer's expectations .
* The on-demand industry is expected to grow with the four following prior values, including speed, comfort, perfection, and quality in what they deliver .
* As for the future scope of Uber drives, it is expected that the on-demand industry will continue to grow and provide numerous benefits for startups .
* The benefits of the on-demand industry are highly efficient and also help in scaling the business to greater heights .
* It has come up with many awesome features that will help you to attain your on-demand goal and also provide you some unique experience that meets all your requirements.
* Hence, many startups are interested in expanding their business using on-demand ideas. So, we can expect a bright future for the on-demand industry .