GOVERNMENT OF TAMILNADU

Naan Muthalvan - Project-Based Experiential Learning

A Review of Liver Patient Analysis Methods Using Machine Learning

Submitted by

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M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN

(Affiliated To Mother Teresa Women's University, Kodaikanal)

Reaccredited with 'A' Grade by NAAC

DINDIGUL-624001.

NOVEMBER - 2023

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PG & RESEARCH DEPARTMENT OF MATHEMATICS

BONAFIDE CERTIFICATE

This is to certify that this is a bonafide record of the project entitled,

'ILLUMINATING INSIGHTS FROM UBER EXPEDITIONARY ANALYSIS' done **by Ms. U.SHARMINI (21321ER026), Ms. N.SNEHA (21321ER027), Ms. R.SONY KUMARI (21321ER028) and Ms. M.SOUNDARYA(21321ER029)**. This is submitted in partial fulfillment for the award of the degree of **Bachelor of Science in Mathematics in M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN, DINDIGUL** during the period of June 2023 to November 2023.

B. Lakshiniprabha

Project Mentor(s)

N. ...

Head of the Department

CONTENT

TOPIC

INTRODUCTION

Uber is a transportation company with an app that allows passengers to hail a ride and drivers to charge fares and get paid. More specifically, Uber is a ridesharing company that hires independent contractors as drivers. It's one of many services today that contribute to the sharing economy, supplying a means of connecting existing resources instead of providing the physical resources themselves.
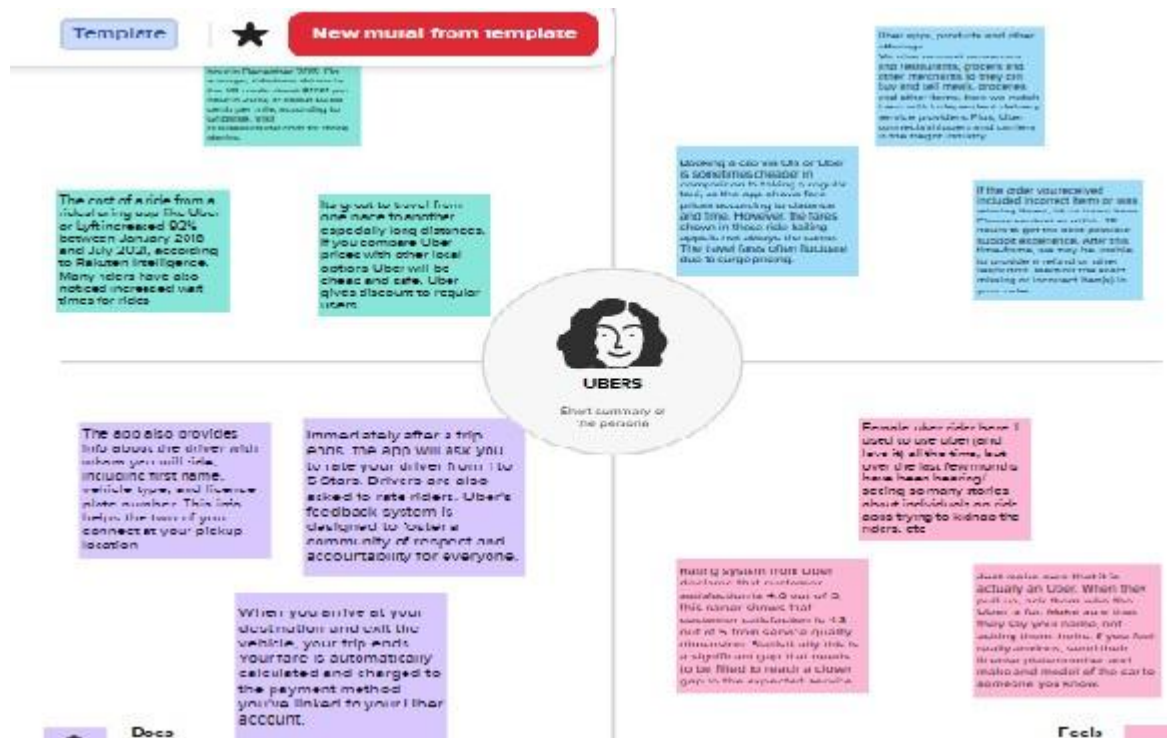
OVERVIEW

- The ride-sharing business revolution a business model that had been functioning in the same way for generation: On a busy city street, a person in need of a ride stood on a street corner and waved down a taxi.

- On quieteror in towns without roving taxies, the person would phone a local car service and request a pickup.

- E-hail services like uber allow you to hire a driver using a smartphone from almost any location at any time.
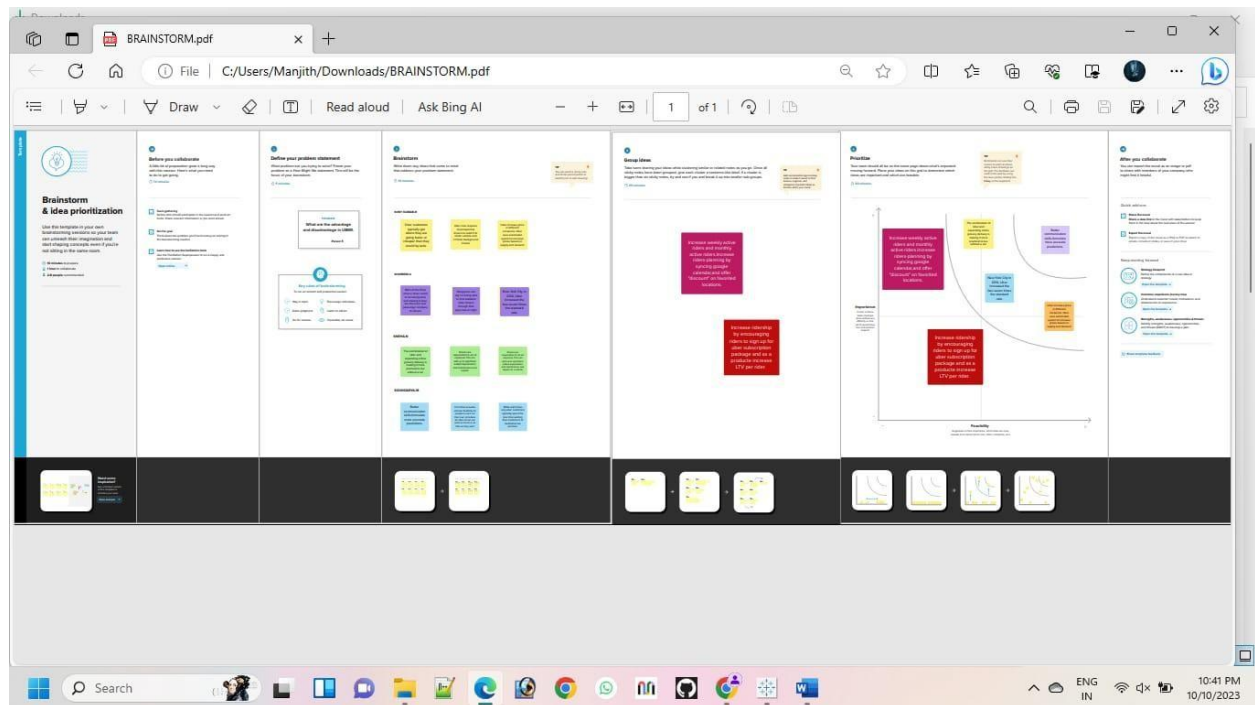
PURPOSES

- Uber is a multinational transportation network company that operates a ride-hailing platform. It was founded I 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.

PROBLEM DEFINITION & DESIGNS TRAINING

1.EMPATHY MAP

An empathy map is a collaborative tool teams can use to gain a deeper insight into their customers. Much like a user persona, an empathy map can represent a group of users, such as a customer segment. The empathy map was originally created by Dave Gray and has gained much popularity within the agile community.

IDEATION & BRAINSTORMING MAP

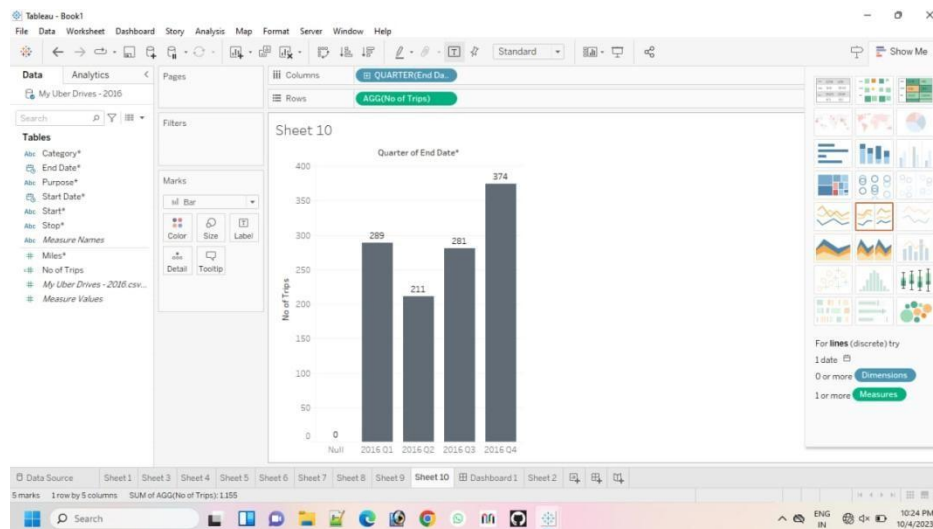Is this brainstorming we have prioritizesome ideas to reach maximum miles and number of trips by uber drives.
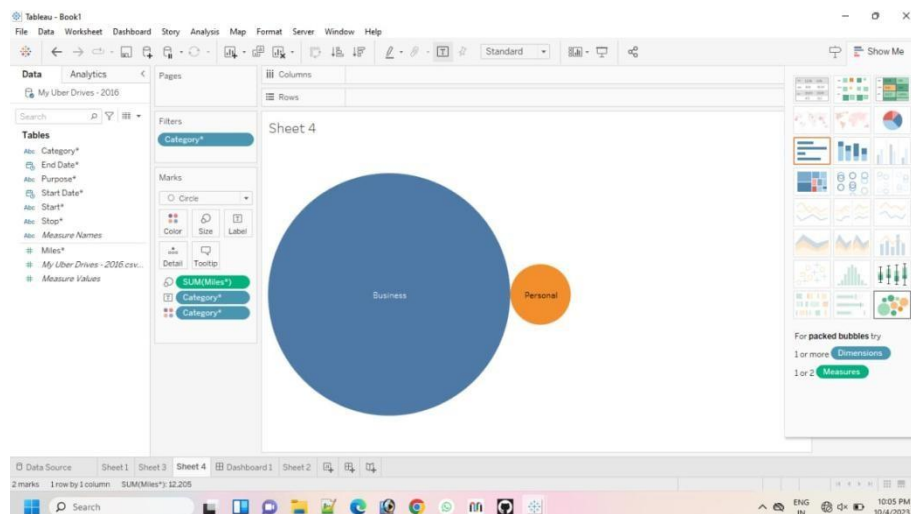
TABLEAU:

SHEET 1

QUARTERS WISE UBER TRIPES ANALYSIS

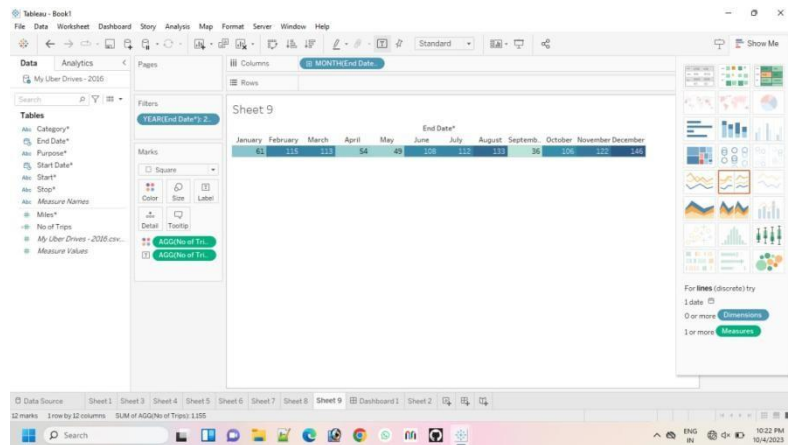In the year 2016,the number of rides reached a maximum in the quarter 4 then the other three quarters.

MILES COVERED IN CATEGORY ANALYSIS

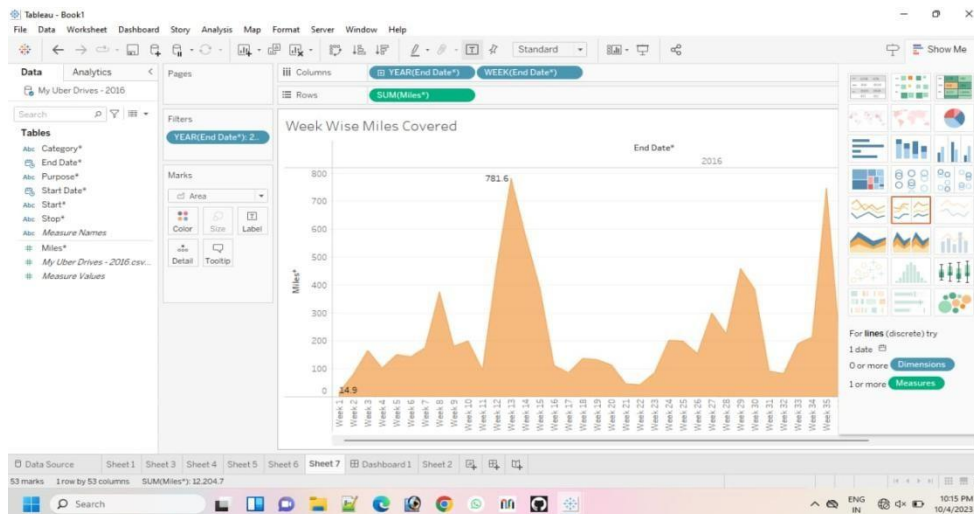Ubers spends their most of the rides in business category the the personal category of the year 2016.

WEAK WISE UBER MILES ANALYSIS

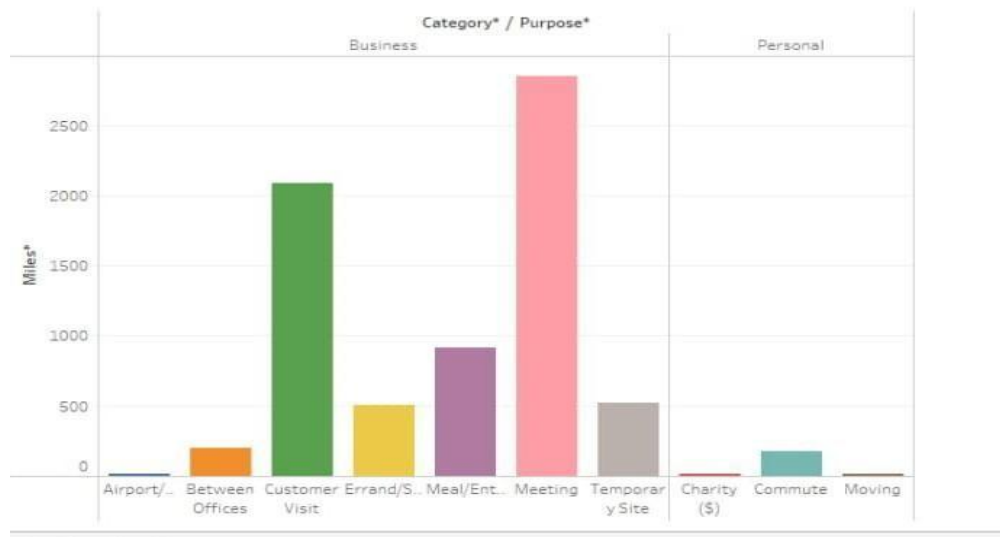   Number of rides done in the week 13 and week 35 is more then the other week of the year 2016.
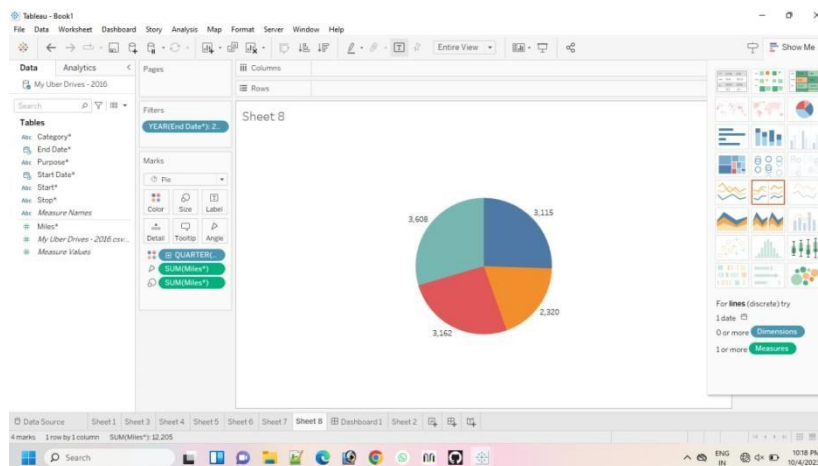

MILES UBER ANALYSIS

MILES COVERED PER CATEGORY AND PURPOSE ANALYSIS

Uber covered maximum miles for the meeting then the other categories in the year 2016.

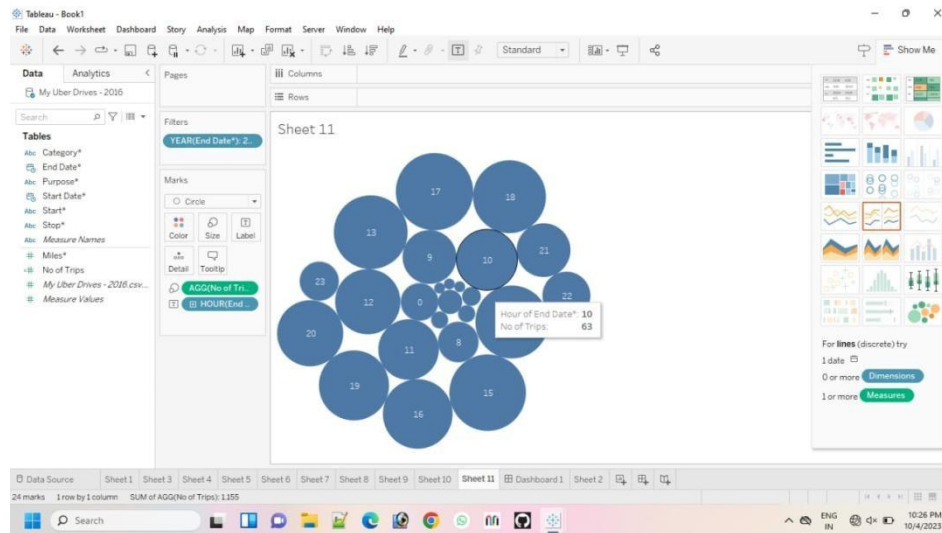
QUARTER WISE UBER MILES ANALYSIS

Uber covered the maximum miles in the quarter 4 than the other three quarters of the year 2016.

HOUR WISE UBER TRIPS ANALYSIS

Uber is busy on the time of 1p.m to 6p.m everyday in the year 2016.

MONTH WISE UBER MILES ANALYSIS

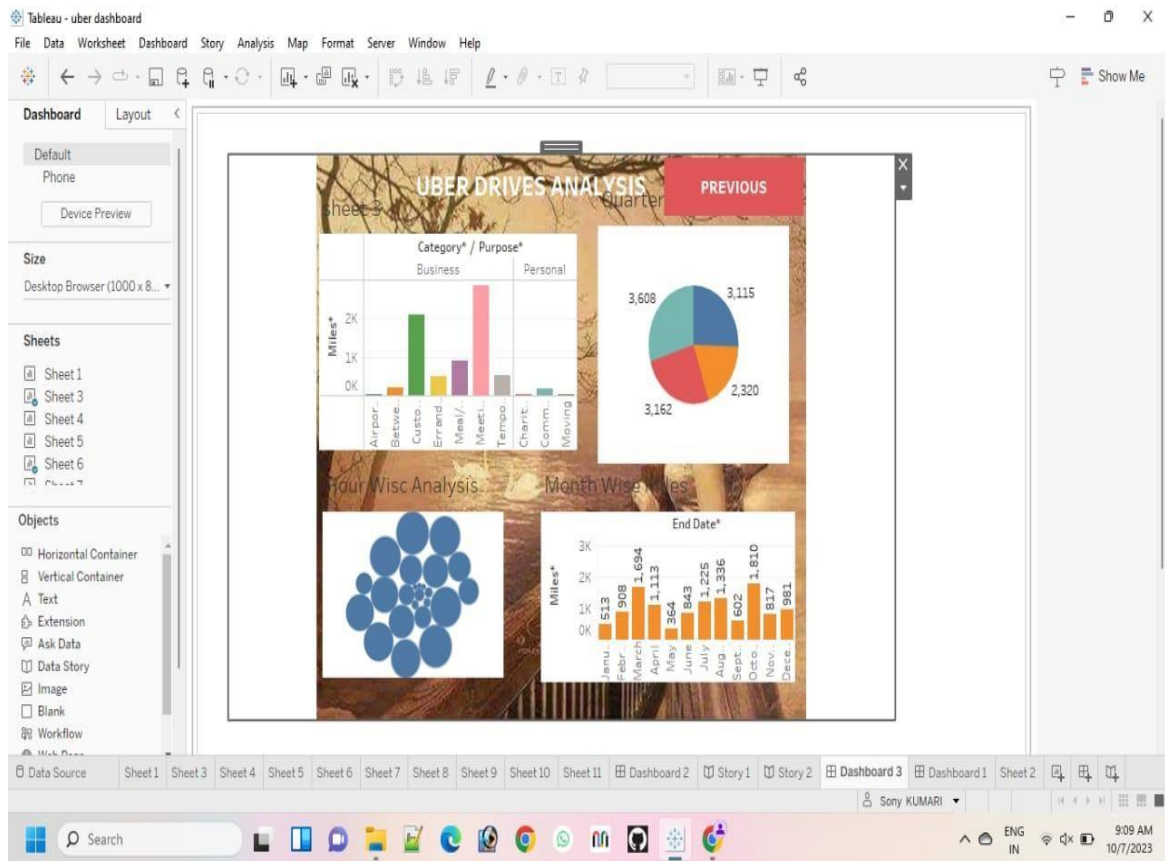Uber reached a maximum miles in the month of October than the other months of the year 2016.

RESULT   DASHBOARD 1

- **QUARTERS WISE UBER TRIPES ANALYSIS**

- **MILES COVERED IN CATEGORY ANALYSIS**

- **WEEK WISE UBER MILES ANALYSIS**
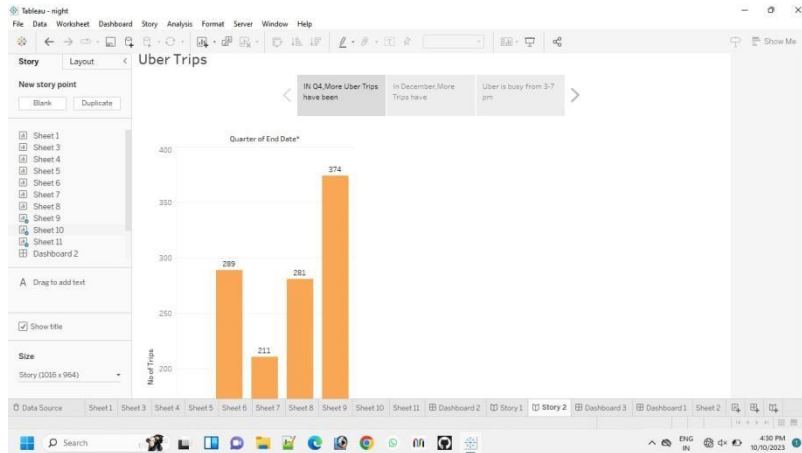
- **MILES UBER ANALYSIS**

DASH BOARD 2

- **MILES COVERED PER CATEGORY AND PURPOSE ANALYSIS**

- **QUARTER WISE UBER MILES ANALYSIS**

- **HOUR WISE UBER TRIPS ANALYSIS**

- **MONTH WISE UBER MILES ANALYSIS**

STORY 1

ADVANTAGES & DISADVANTAGES

ADVANTAGES

Using the ridesharing app like Uber has several advantages over more traditional transportation methods. As mentioned, Uber's dynamic pricing model attracts drivers to certain areas at critical times, making it more likely that a car will be available during times of high passenger need.

DISADVANTAGES

This automated system sometimes shows difference in pricing between any two same points. At peak times the price could be double or more. This means too costly during rush hours.

CONCLUSION

From the entire work of the projectwe can conclude that the peak hours or days of high demand and optimize driver availability during those times.