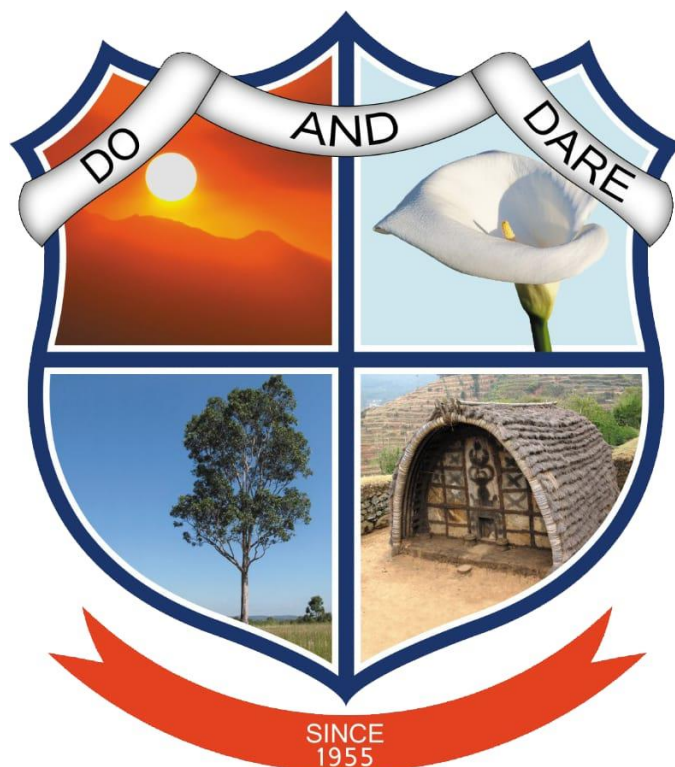


GOVERNMENT ARTS COLLEGE, OOTY

DEPARTMENT OF PHYSICS

ILLUMINATING INSIGHTS FROM UBER

EXPEDITIONARY ANALYSIS



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ILUMINATING INSIGHTS FROM UBER

EXPEDITIONARY ANALYSIS

1.INTRODUCTION

1.1:OVERVIEW

This project aims to develop for the uber management where user can book his requirements and get the Appropriate Details of the uber management. 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 analyzed on a daily, weekly, monthly basis to understand the trends and patterns of trip volumes.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.

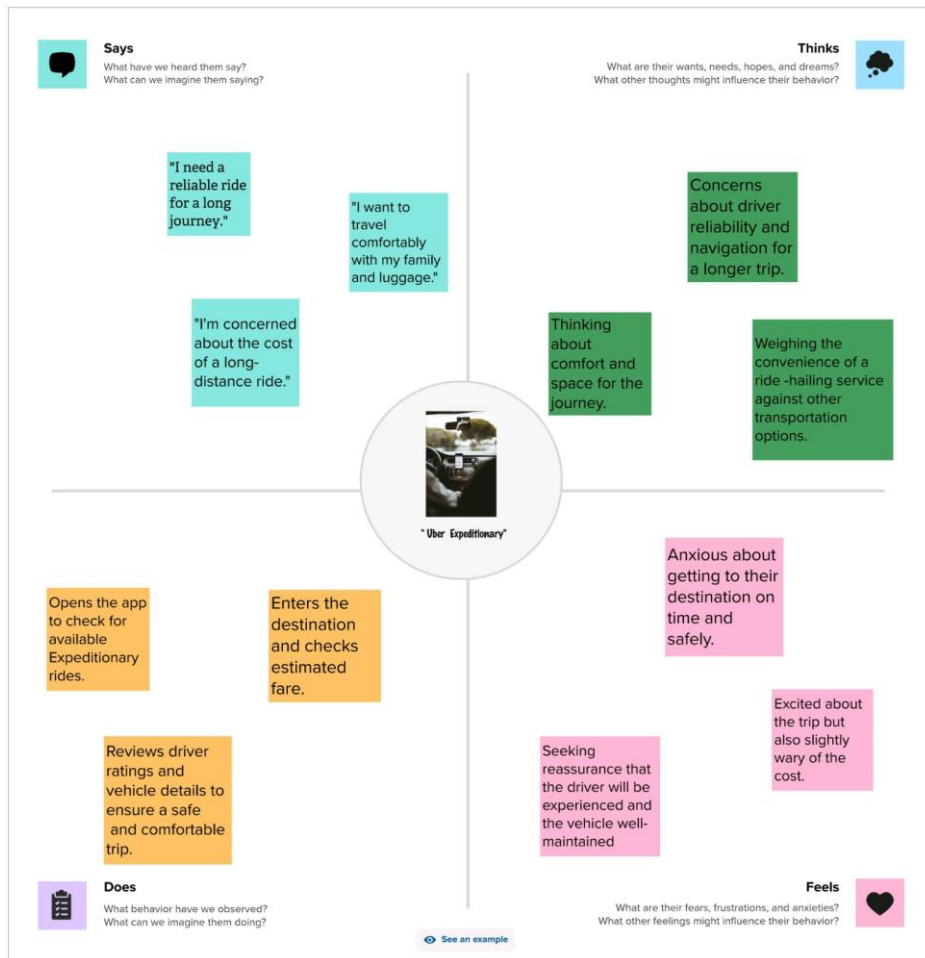
1.2 PURPOSE

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.

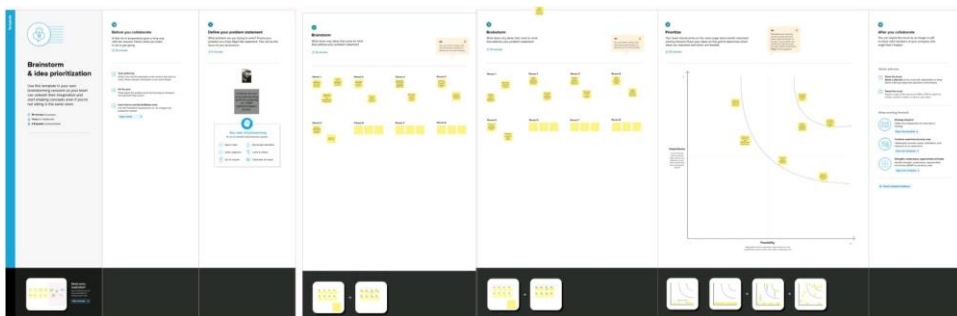
The company was founded by Travis Kalanick and Garrett Camp in 2009, and is headquartered in San Francisco. The company has an estimated 110 million users worldwide.

2.PROBLEM DEFINITION & DESIGN THINKING

2.1:EMPATHY MAP



2.2:IDEATION & BRAINSTROMING MAP



3.RESULT

3.1:DASHBOARD

UBER DRIVE ANALYSIS

NEXT

Miles covered per category



Miles covered in category

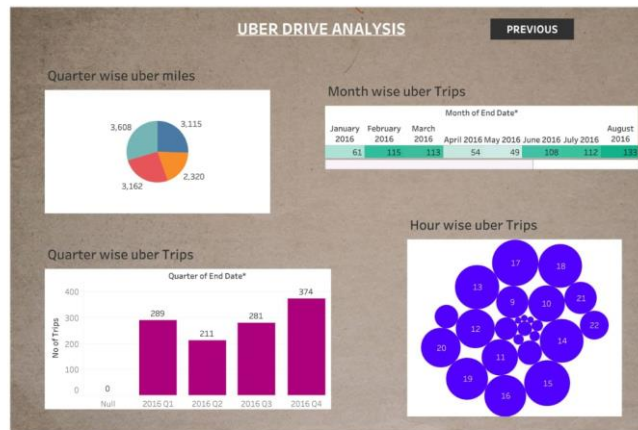


Month wise uber miles



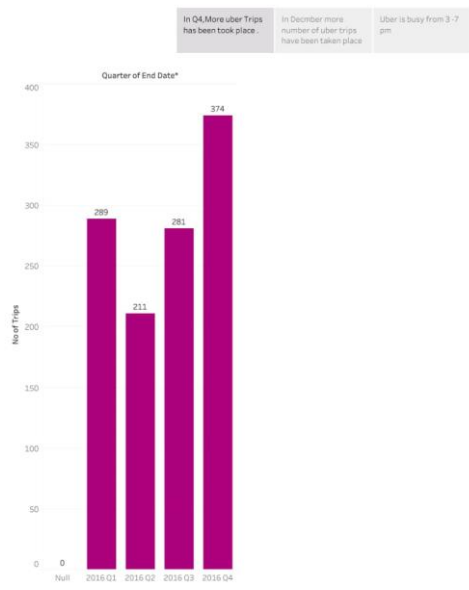
Week wise uber miles





3.2:STORY

Uber Trips



Uber Trips

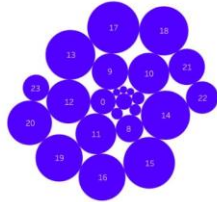


Uber Trips

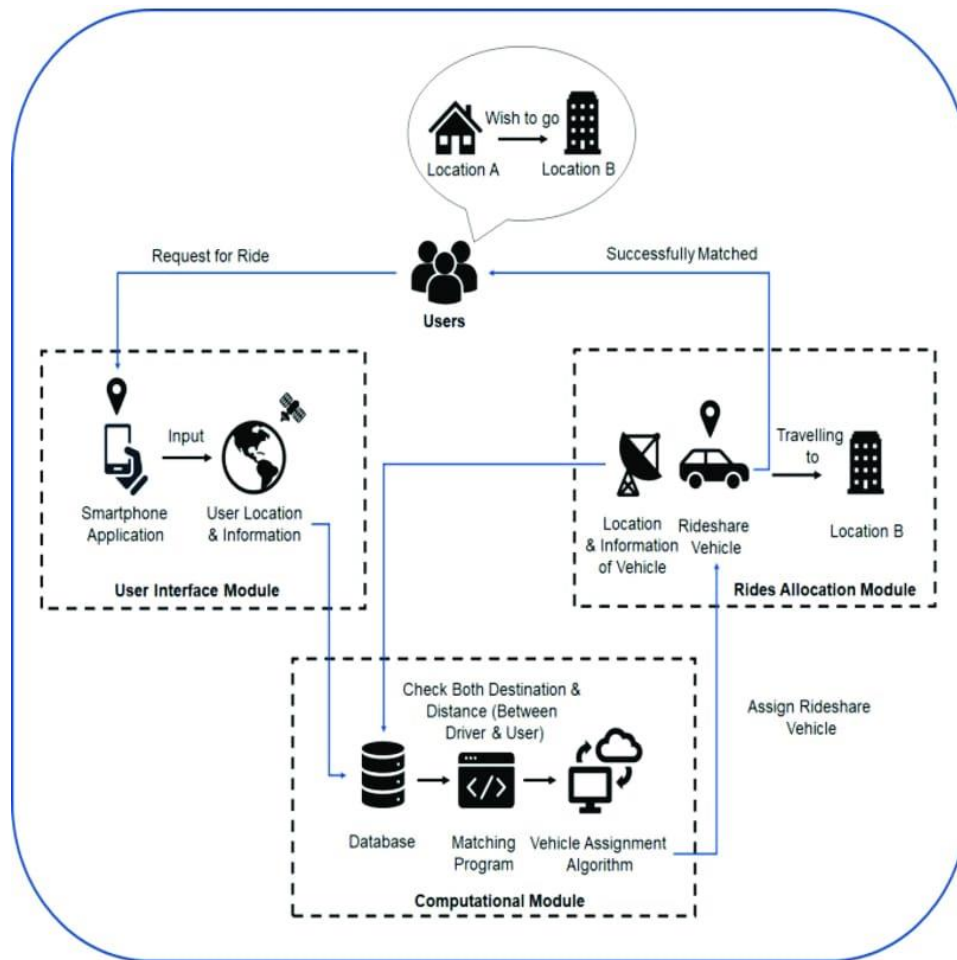
In Q4, More uber trips
has been took place .

In December more
number of uber trips
have been taken place

Uber is busy from 3-7
pm



3.3:WEB APPLICATION



4.ADVANTAGES & DISADVANTAGES

4.1:ADVANTAGES OF UBER

Uber through E-hail has hired drivers easily and fast. Proprietary software in the app locates drivers circling nearby cheapest carpooling luxury wheels. The price is fixed.

- **Convenient and Cashless**

Instead of chasing a taxi on a street, or calling and waiting, app users can book a ride from any location and it arrives in minutes.

Passenger's credit or debit card is linked to the taxi app account, no cash changes hands.

After the completion of the ride, A receipt is sent via email, and some links to options for rating and tipping the driver.

- **Professional Service**

Drivers for Uber may use their own cars and bike. Drivers get incentives to keep their taxis clean and well-maintained.

The cheapest options for taxis are late-model compact cars and bikes.

The riders need to insert their destinations into the app, and the drivers use the taxi app navigational features to reach the rider which is provided by the taxi app development company.

The driver talks in a polite and well-spoken manner. Drivers don't get your destination details before picking you up.

A driver with a low rating will force a driver out of Uber or its competitors.

- **Competitive Pricing**

Uber is less expensive than other taxi services, but not always. Longer trips are always cheaper by Uber but short rides can be expensive.

The price model for Uber and other taxi apps can have higher booking prices due to busy times of the day.

It is impossible to come up with a fixed price for an uber ride. Its costing plans vary from one city to another and from one country to another.

But uber always show you the estimated fare before starting the ride.

- **Safer and Flexible**

Safety is crucial for both passengers and drivers. This is what Uber is good at it. It is one of the major advantages of Uber.

The riders are registered their identities and their payment channels. Cashless transactions also make it safer, a driver and rider don't need to carry cash.

4.2:DISADVANTAGES OF UBER

Drivers are not assured of minimum pay to maintain their own vehicles. This topic is growing controversial in many cities because New York City mandated a \$17.22 minimum wage for drivers.

- **Surge Pricing**

“Surge pricing” or “rush time pricing” is not fixed in uber. It’s a free market principle of raising prices according to supply and demand.

This means how many taxis are available (supply) and how many customers want to ride(demand).

This automated system sometimes shows differences in pricing between any two same points.

At peak times, the price could be double or more. This means too costly during rush hour.

Although this benefits uber by increasing the supply of drivers. Drivers can be motivated to earn at this time.

- **Low Fares WorryDrivers**

Some Uber drivers say they struggle to earn minimum wage. Drivers have to pay the cost of fuel, maintenance, and repairs from their own pocket.

With competition from other taxi apps, the earnings of drivers can be driven downward.

This indicates that they need to work for longer hours to earn a certain income.

- **Price Competition**

Uber and other taxi-hailing companies are engaged in an intensive fight to provide the most affordable service.

They are competing with traditional taxi services for both customers and drivers. This has led to low earnings for taxi drivers.

5.APPLICATIONS

Uber and similar ride-sharing platforms have a wide range of applications and can be applied in various areas, including:

1. ***Urban Transportation***: The primary application of Uber is providing convenient, on-demand transportation within cities, reducing the need for private car ownership and decreasing traffic congestion.
2. ***Rides to Work***: Many people use Uber for their daily commute, especially in areas with limited public transportation options.
3. ***Airport Transportation***: Uber is commonly used for rides to and from airports, offering a more convenient and often more affordable alternative to traditional taxis.
4. ***Late-Night Transportation***: Uber provides a safe and reliable option for getting home after a night out, reducing the risk of drunk driving.
5. ***Business Travel***: Companies use Uber for Business to manage employee transportation expenses and provide reliable transportation options for business trips.

6. ***Tourism***: Tourists use Uber to explore new cities and navigate unfamiliar areas, often finding it more convenient than renting a car.

6.CONCLUSION

- However, it is always challenging to gain a good reputation, prove the quality of the services, and create appropriate working conditions.
- The necessity to provide people with good services at affordable prices is urgent nowadays.
- Uber can provide drivers with jobs and citizens with transportation services.

7.FUTURE SCOPE

- ❖ Uber plans to have its U.S. fleet and all drivers go electric by 2030 or be taken off the platform.
- ❖ The company says it will invest \$800 million to help drivers pay for EVs, and partnerships with Ford and Hertz can help.
- ❖ The company missed its original timeline for autonomous cars by a mile, and profits have been elusive, but cash flow has turned positive and Wall Street sees an inflection point coming.

THANK YOU...!