Good evening everyone, I am Shivali Dalmia.

The title of my project is Uber demand supply gap analysis for Bengaluru, India.

The main aim of this analysis was to identify possible reasons behind the gap between demand and supply of the cabs observed by Uber as the organization was losing on its customers and was facing a significant revenue loss due to high ride cancellations and non-availability of cars, particularly from airport to city and city to airport.

For doing exploratory data analysis, firstly the dataset was optimized with the help of python libraries like NumPy and Pandas. Then, finally I created some plots using Matplotlib for visualizing the relation between different data points.

The interesting insights from plots helped me to identify that the maximum gap existed in evening hours from 5pm to 8pm for the rides from airport. From the first pie chart we can see that around 73 percentage of total requests from airport ended with ‘No Cars Available’.

Additionally, from the second chart we can see that there was a considerable gap during early morning hours as well, as 41% percentage of total requests from city were cancelled by the drivers.

Out of many possible reasons for the ride cancellations, one could be that, making an idle trip back to city from the airport was not economically feasible for the driver. I have discussed more on the reasons and recommendations in the project video.

The major challenge I faced, was to decide on the correct use of plots for visualization. Eventually after some research on matplotlib I did manage to use some of the plots.

I used Zoom desktop app for recording the project video.

For more details, please refer to the project video.

Yeah, that’s all from my side. Any questions?