Uber Supply-Demand Gap

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- First we will clean the data by droping the duplicates.
- While dropping the duplicates We have 3914 NAs in dropdate and drop time only when the Status is in ("Cancelled" Or "No Cars Available").
- As they seems to be logical we won't drop NAs from the original dataframe (uber) we will use for analysis.

- We have 2650 NAs in driver id only when the Status is in "No Cars Available".
- As they seems to be logical we won't drop NAs from the original dataframe (uber) we will use for analysis.
- Data Analysis:
- The cab request distribution is similar through out all the days .
- Most number of cancellation occurs in Morning Office time (6 AM - 11 AM)
- and car availability id very low at evening traffic (6 PM - 9 PM).
- Maximun demand of cab in city is at Morning Office time where as for "Airport" pick up its Evening time.

- For the non avaliability the evening traffic time sees the maximum number of non availbility at the airport pickup.
- So for the final supply demand analysis we need to consider two segments for both pickup points:-

1. Morning Office -- For City pickups
2. Evening Traffic -- For Airport pickups

- Morning Office Supply Demand Analysis:-In the morning office time when the demand at the city is high (1492) but the supply seems to be low like (435).
- Evening Supply Demand Analysis:In the evening office time when the demand at the city is high but the supply seems to be low like (238)