INTRO TO ANALYTICS

ASSIGNMENT-1

1. Which day had the maximum number of logins on the app?

A: TUESDAY

2. Which hour had the highest logins on Tuesday?

A: 5&6 HOURS

3. "Top of the funnel conversion is defined as % of logged in users that requested a ride.

Which day had the highest top of the funnel conversion?

Which hour on Tuesday had the lowest top of the funnel conversion"

A: TUESDAY, 11^{TH} HOUR

4. "Users raise customer support tickets when they request a cab, but there are no cabs available.

If you plot a curve of tickets/day, which day would have the maxima?"

A: MONDAY

5. "Cancellation percentage is defined as %of rides that are cancelled after being accepted by the drivers.

If you calculate cancellation rates on the basis of aggregate data daily, what is the median?"

A: MEDIAN IS 49

6. What is the highest rating among the drivers who spent at least 50 hours on the app in the week?

A: 4.5 – MICHAEL JARVIS

7. The App assigns a score to each driver on the basis of 3 parameters - #hours active, #trips competed, and average rating. If 50% weightage is given to #hours active and other two parameters are given equal weightage, who are the top 3 drivers of the week.

A: LORI CASTRO, ERIC BROWN, WILLIE REED

8. "The company measures demand supply ratio of the business by comparing #requests to #drivers on a weekly basis. What was the ratio of demand to supply for this week?"

A: 6087/50

9. "The company has decided to give incentives to the drivers to boost supply side of the business. There are two alternatives.

Option A: For every hour after the 50th hour, drivers get an additional Rs 10/hour. For every trip after 30th trip, drivers get an additional Rs 10/Trip.

Option B: For every hour after the 40th hour, drivers get an additional Rs 5/hour. For every trip after 40th trip, drivers get an additional Rs 20/Trip.

Any driver with a rating of less than 3 would not be eligible for incentive. Calculate the cost of both the options."

A: OPTION A: 5490

OPTION B: 2805