OSHO AGYEYA

PUCHO ROUND 1

New York City Taxi Trip
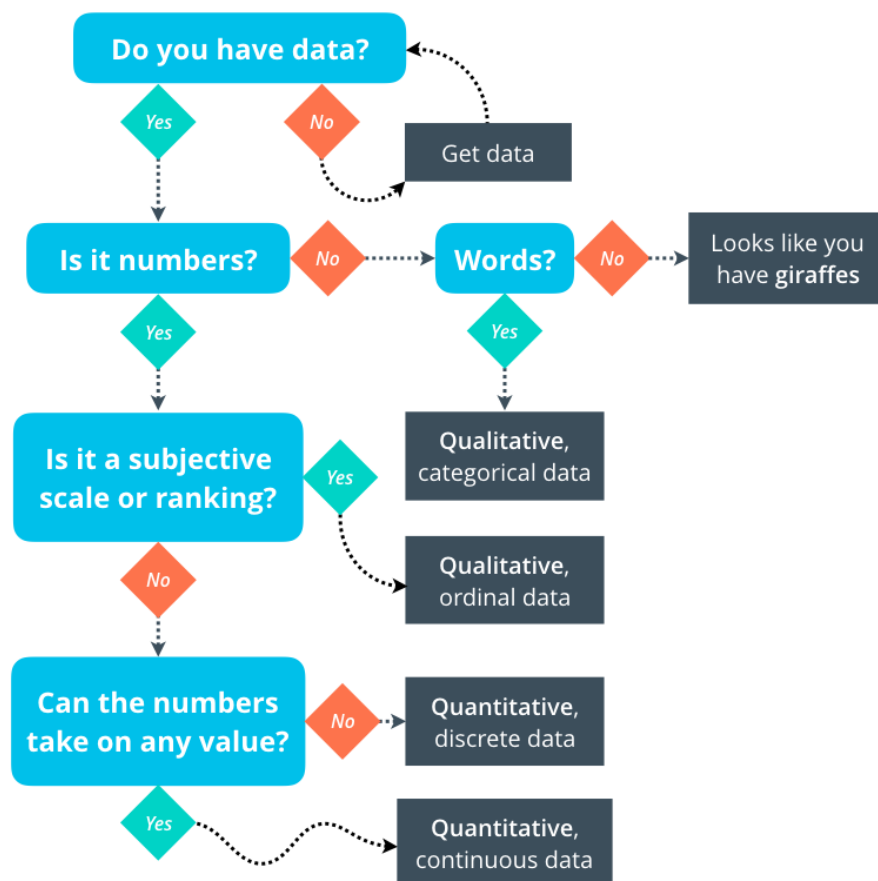
Osho Agyeya

oshoagyeya123@gmail.com

+917800191911

DATASET USED

Dataset:train.csv

Source: https://www.kaggle.com/c/nyc-taxi-trip-duration/data

IMAGE 1 ALONG WITH ITS CONCLUSIONS

The trend of count of Number of Records for Pickup Datetime Day. Color shows details about Pickup Datetime Month.

Conclusion: 23rd January records the least no. of rides while 9th April registers the maximum no. of rides.
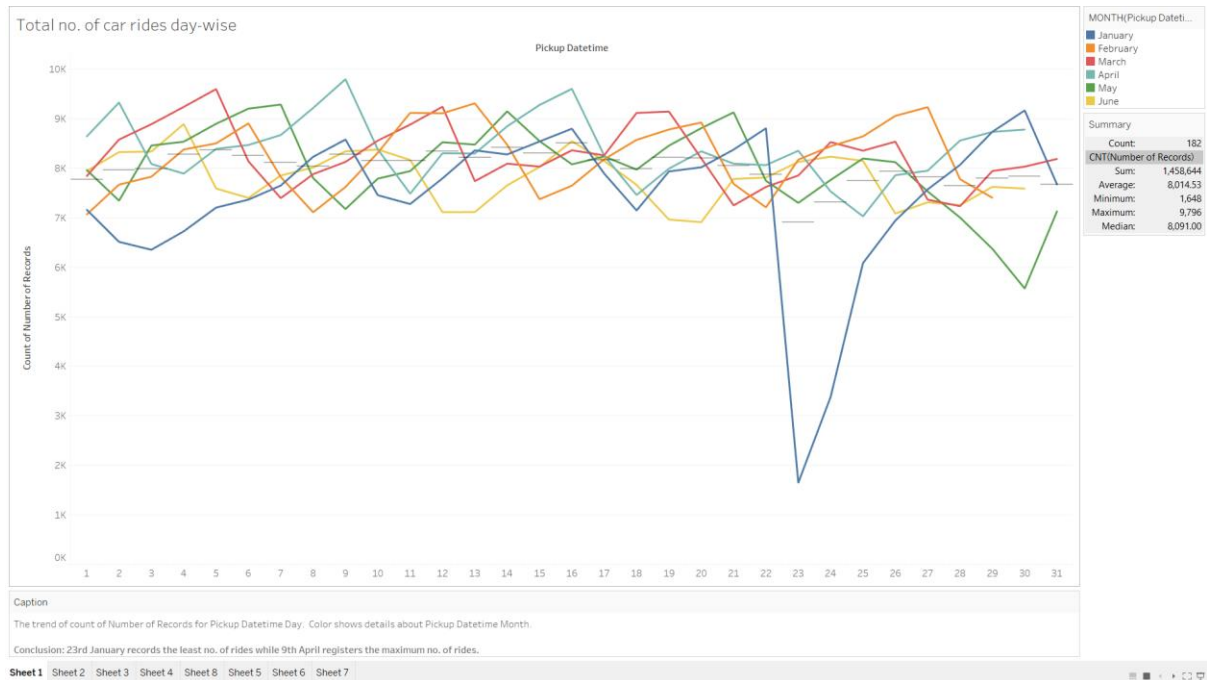
==Visualisation 1==

Design/Variables
The trend of count of Number of Records for Pickup Datetime Day. Color shows details about Pickup Datetime Month.

Conclusion
23rd January records the least no. of rides while 9th April registers the maximum no. of rides.

IMAGE 2 ALONG WITH ITS CONCLUSIONS

Caption

Map based on Pickup Longitude and Pickup Latitude. Color shows details about Passenger Count. Shape shows details about Vendor Id.

Conclusion: The Connecticut-New Jersey area is the most popular pickup location.
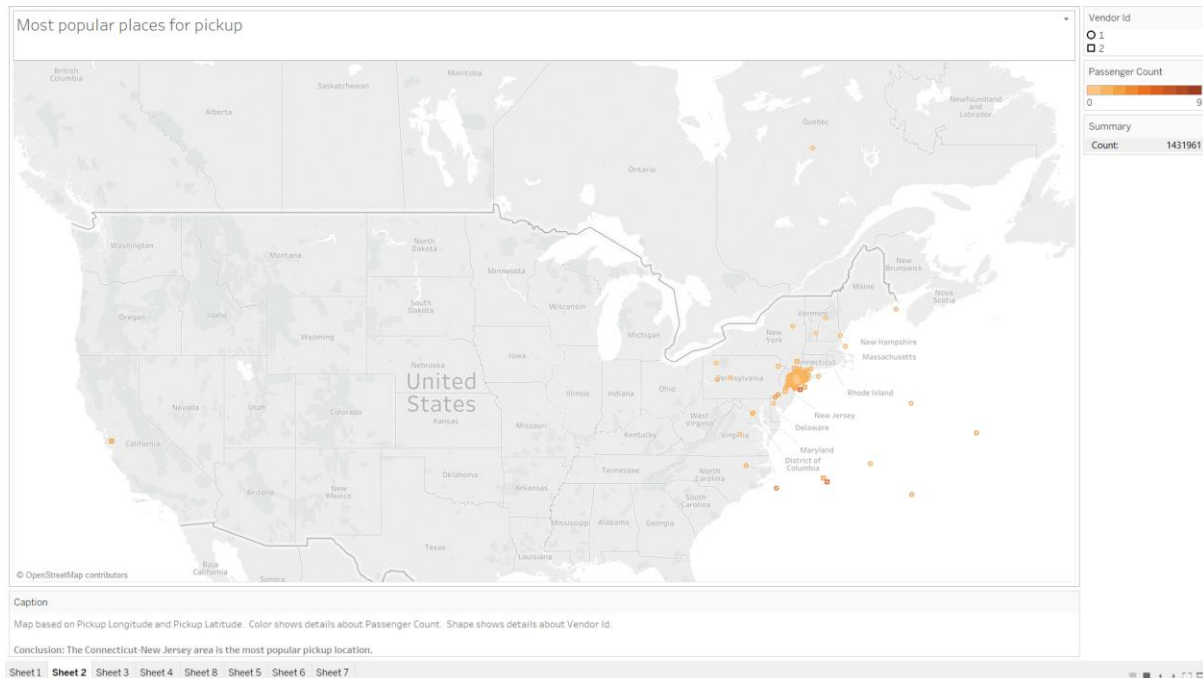
<mark>Visualisation 2</mark>

Design/Variables
Map based on Pickup Longitude and Pickup Latitude. Color shows details about Passenger Count. Shape shows details about Vendor Id.

Conclusion
The Connecticut-New Jersey area is the most popular pickup location.

IMAGE 3 ALONG WITH ITS CONCLUSIONS

Map based on Dropoff Longitude and Dropoff Latitude. Color shows details about Passenger Count. Shape shows details about Vendor Id.

Conclusion: The New-Jersey area is the most popular drop location. Majority of rides have 1-5 passengers.

Visualisation 3

Design/Variables

Map based on Dropoff Longitude and Dropoff Latitude. Color shows details about Passenger Count. Shape shows details about Vendor Id.

Conclusion

The New-Jersey area is the most popular drop location. Majority of rides have 1-5 passengers.

IMAGE 4 ALONG WITH ITS CONCLUSIONS

Caption
Sum of Number of Records and Vendor Id broken down by Store And Fwd Flag. Color shows details about Vendor Id. The marks are labeled by sum of Number of Records and Vendor Id.
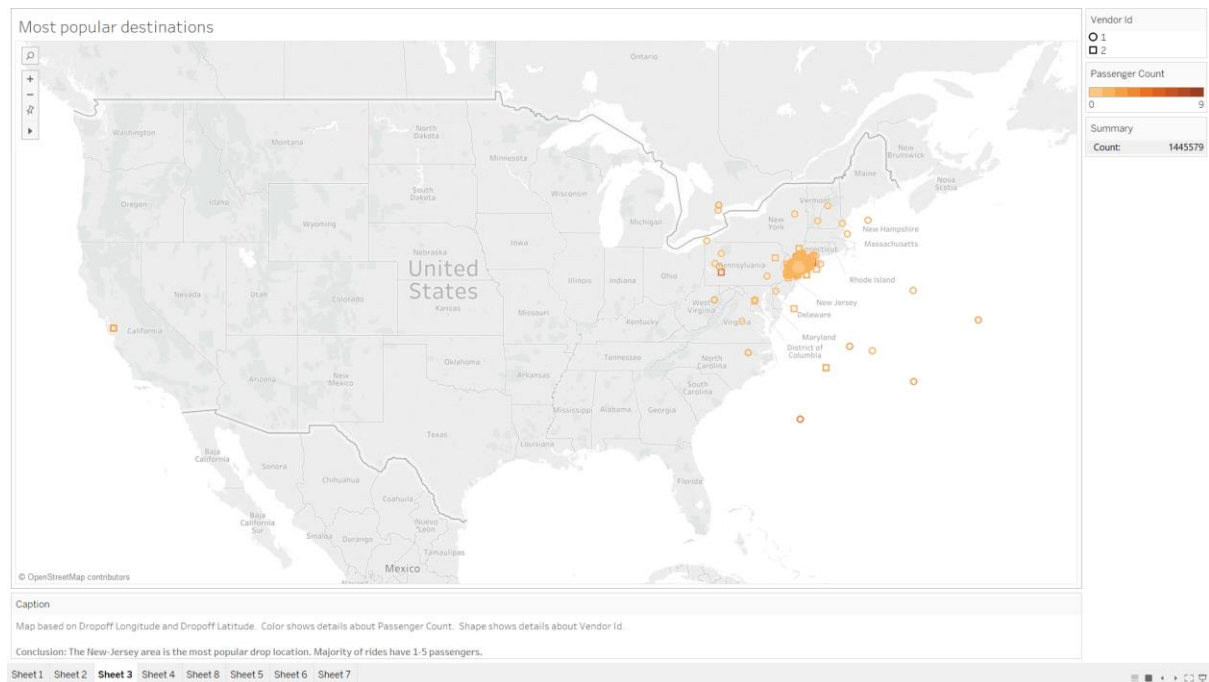
Conclusion: Only vendor 1 has used store and send technique. For not storing and forwarding, vendor 2 has greater records than vendor 1.
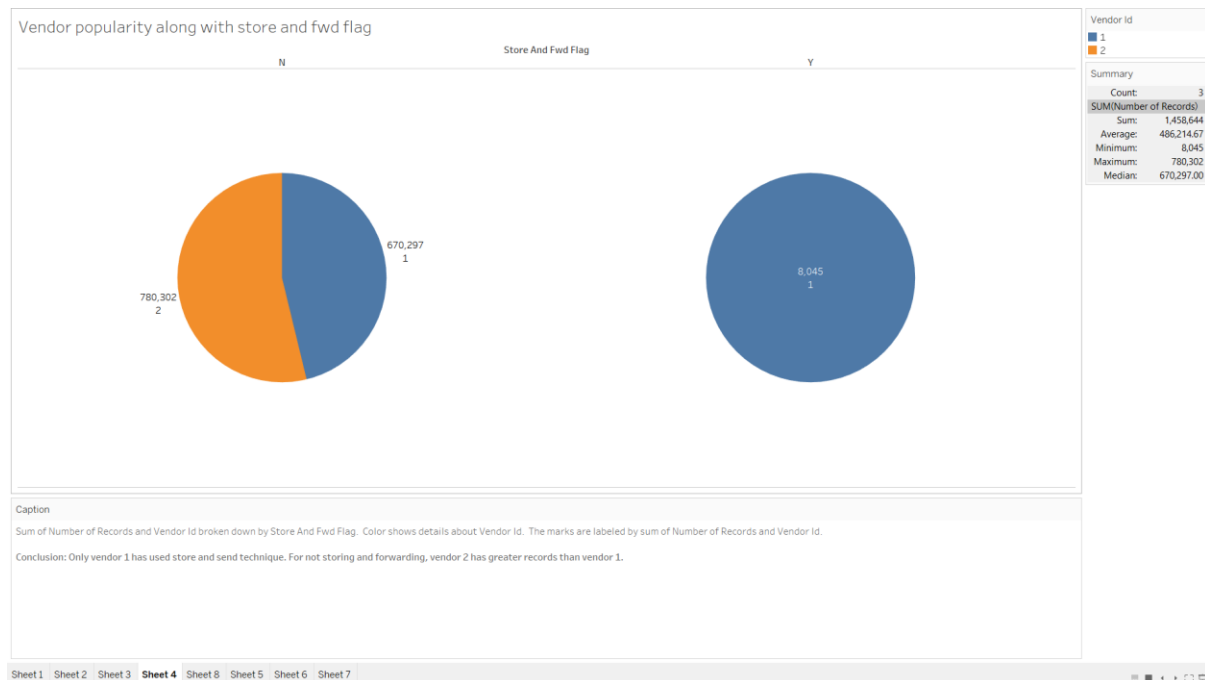
==Visualisation 4==

Design/Variables
Sum of Number of Records and Vendor Id broken down by Store And Fwd Flag. Color shows details about Vendor Id. The marks are labeled by sum of Number of Records and Vendor Id.

Conclusion
Only vendor 1 has used store and send technique. For not storing and forwarding, vendor 2 has greater records than vendor 1.

IMAGE 5 ALONG WITH ITS CONCLUSIONS

Long ride trust

N
1
14.044

N
2
17.644

Y
1
18.013

Store And Fwd Flag
- N
- Y

Summary

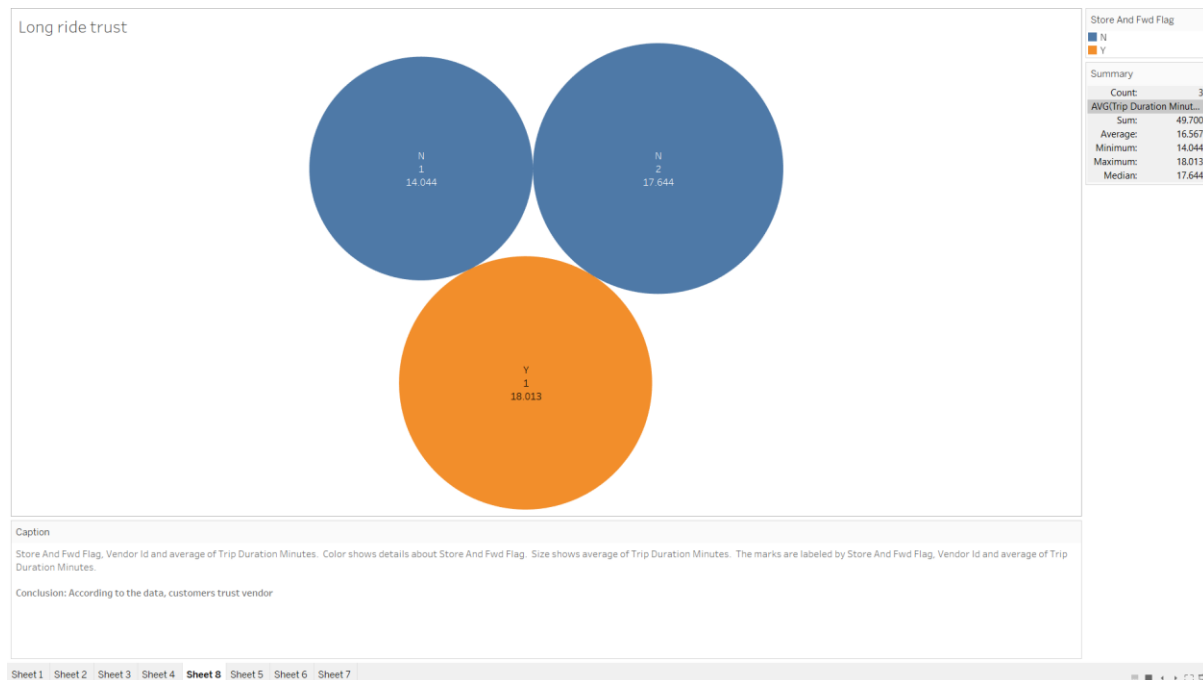|	
Count:	3
AVG(Trip Duration Minut...	
Sum:	49.700
Average:	16.567
Minimum:	14.044
Maximum:	18.013
Median:	17.644

Caption

Store And Fwd Flag, Vendor Id and average of Trip Duration Minutes. Color shows details about Store And Fwd Flag. Size shows average of Trip Duration Minutes. The marks are labeled by Store And Fwd Flag, Vendor Id and average of Trip Duration Minutes.

Conclusion: According to the data, customers trust vendor

Sheet 1   Sheet 2   Sheet 3   Sheet 4   **Sheet 8**   Sheet 5   Sheet 6   Sheet 7
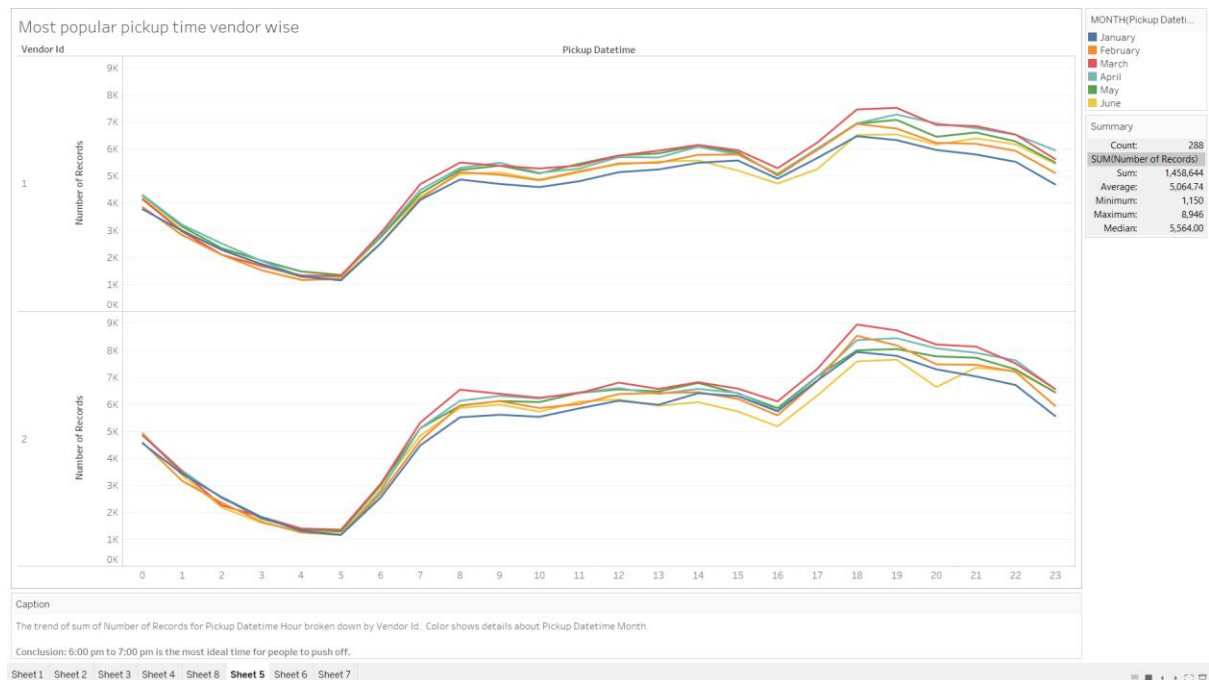
Visualisation 5

Design/Variables
Store And Fwd Flag, Vendor Id and average of Trip Duration Minutes. Color shows details about Store And Fwd Flag. Size shows average of Trip Duration Minutes. The marks are labeled by Store And Fwd Flag, Vendor Id and average of Trip Duration Minutes.

Conclusion
According to the data, customers trust vendor 2 more than vendor 1 in case where Store and Fwd flag id N, while they prefer vendor 1 in the other case.

IMAGE 6 ALONG WITH ITS CONCLUSIONS

Caption: The trend of sum of Number of Records for Pickup Datetime Hour broken down by Vendor Id. Color shows details about Pickup Datetime Month.

Conclusion: 6:00 pm to 7:00 pm is the most ideal time for people to push off.
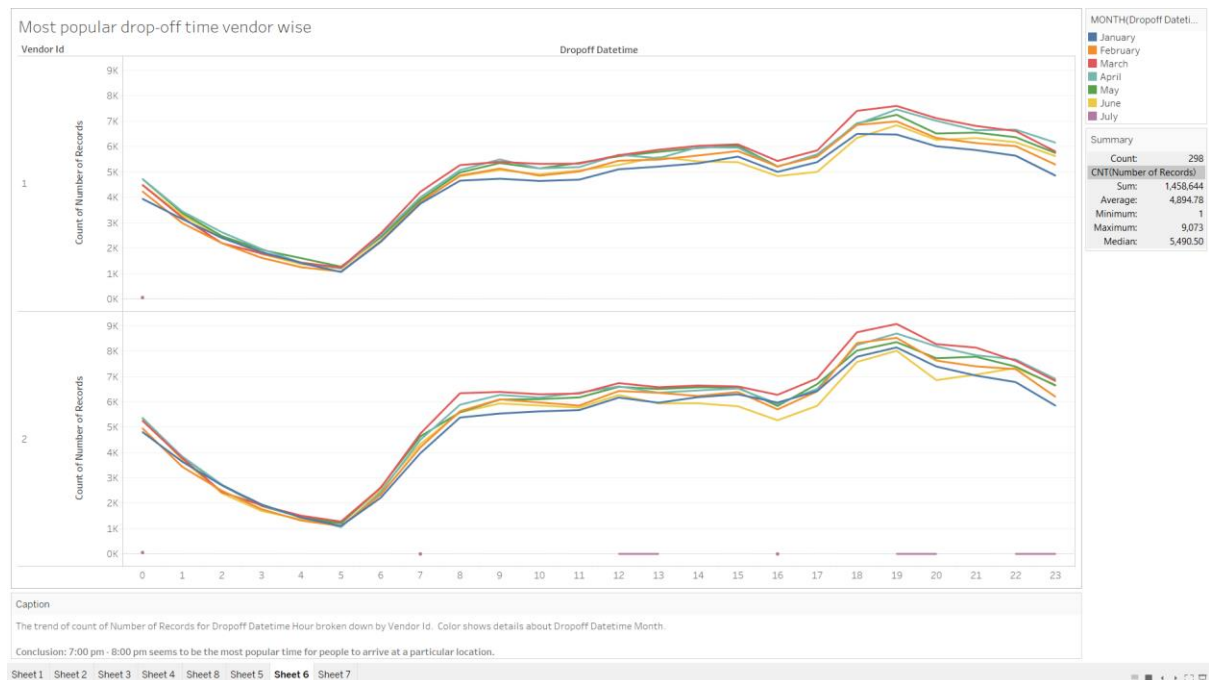
Visualisation 6

Design/Variables
The trend of sum of Number of Records for Pickup Datetime Hour broken down by Vendor Id. Color shows details about Pickup Datetime Month.

Conclusion
6:00 pm to 7:00 pm is the most ideal time for people to push off.

IMAGE 7 ALONG WITH ITS CONCLUSIONS

Most popular drop-off time vendor wise

The trend of count of Number of Records for Dropoff Datetime Hour broken down by Vendor Id. Color shows details about Dropoff Datetime Month.

Conclusion: 7:00 pm - 8:00 pm seems to be the most popular time for people to arrive at a particular location.

Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 8 Sheet 5 **Sheet 6** Sheet 7
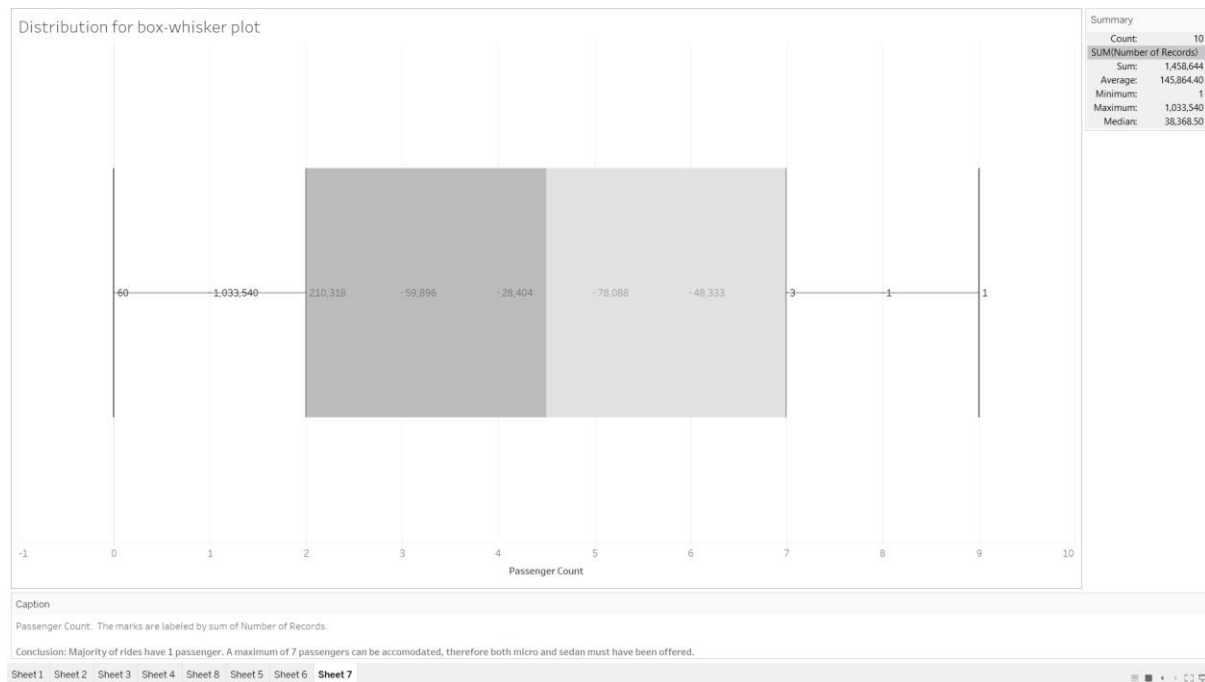
Visualisation 6

Design/Variables

The trend of count of Number of Records for Dropoff Datetime Hour broken down by Vendor Id. Color shows details about Dropoff Datetime Month.

Conclusion

7:00 pm - 8:00 pm seems to be the most popular time for people to arrive at a particular location.

IMAGE 8 ALONG WITH ITS CONCLUSIONS

Visualisation 6

Design/Variables
Passenger Count. The marks are labeled by sum of Number of Records.

Conclusion
Majority of rides have 1 passenger. A maximum of 7 passengers can be accomodated, therefore both micro and sedan must have been offered.

Final tableau workbook is available at:

https://public.tableau.com/profile/osho.agyeya#!/vizhome/Puchoosho/Sheet1

The tableau file, screenshots and dataset have been included in the folder.