

FUNDAMENTALS OF DATA VISUALIZATION IN BOKEH

(Yellow taxi(oct-nov))



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done using bokeh
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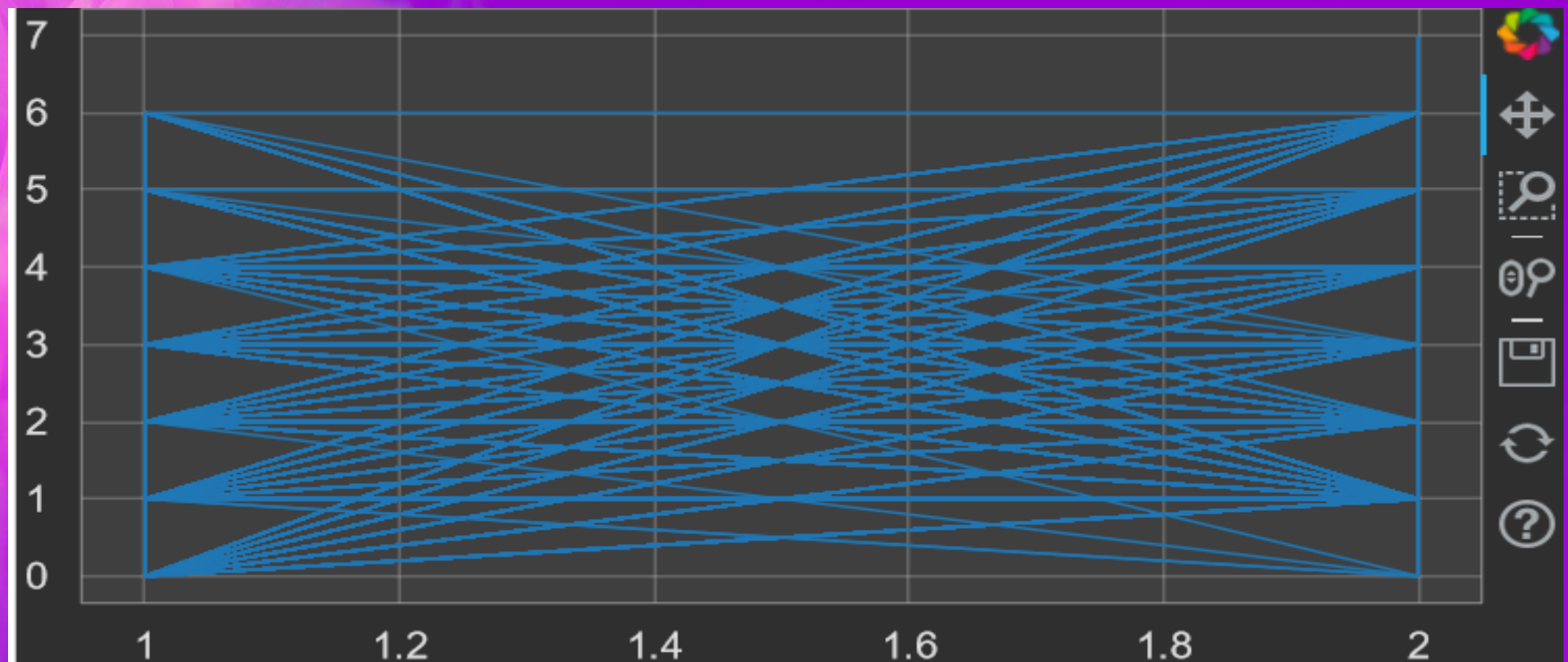
ABOUT DATASET

This is the dataset containing the information of yellow taxi between the months oct and nov .It contains the number of passengers,total and fare mount,tips ,extra ,vendorID etc

	VendorID	tpep_pickup_datetime	tpep_dropoff_datetime	passenger_count	trip_distance	RatecodeID	store_and_fwd_flag	PULocationID	DOLocationID
785630	2	2022-10-08 06:56:28	2022-10-08 07:04:58	1.0	6.27	1.0	N	132	28
2023790	1	2022-10-19 08:08:46	2022-10-19 08:49:59	0.0	10.20	1.0	N	138	229
2395444	2	2022-10-22 01:57:04	2022-10-22 02:13:10	1.0	4.95	1.0	N	249	238
439352	2	2022-10-05 10:57:25	2022-10-05 11:23:18	1.0	3.23	1.0	N	238	237
2682974	2	2022-10-24 17:54:52	2022-10-24 18:12:28	2.0	2.34	1.0	N	230	113

Marking the vendor ID and passengers going for yellow taxi

Link to access:'C:\\Users\\dell\\Yellow taxi bokeh.html'

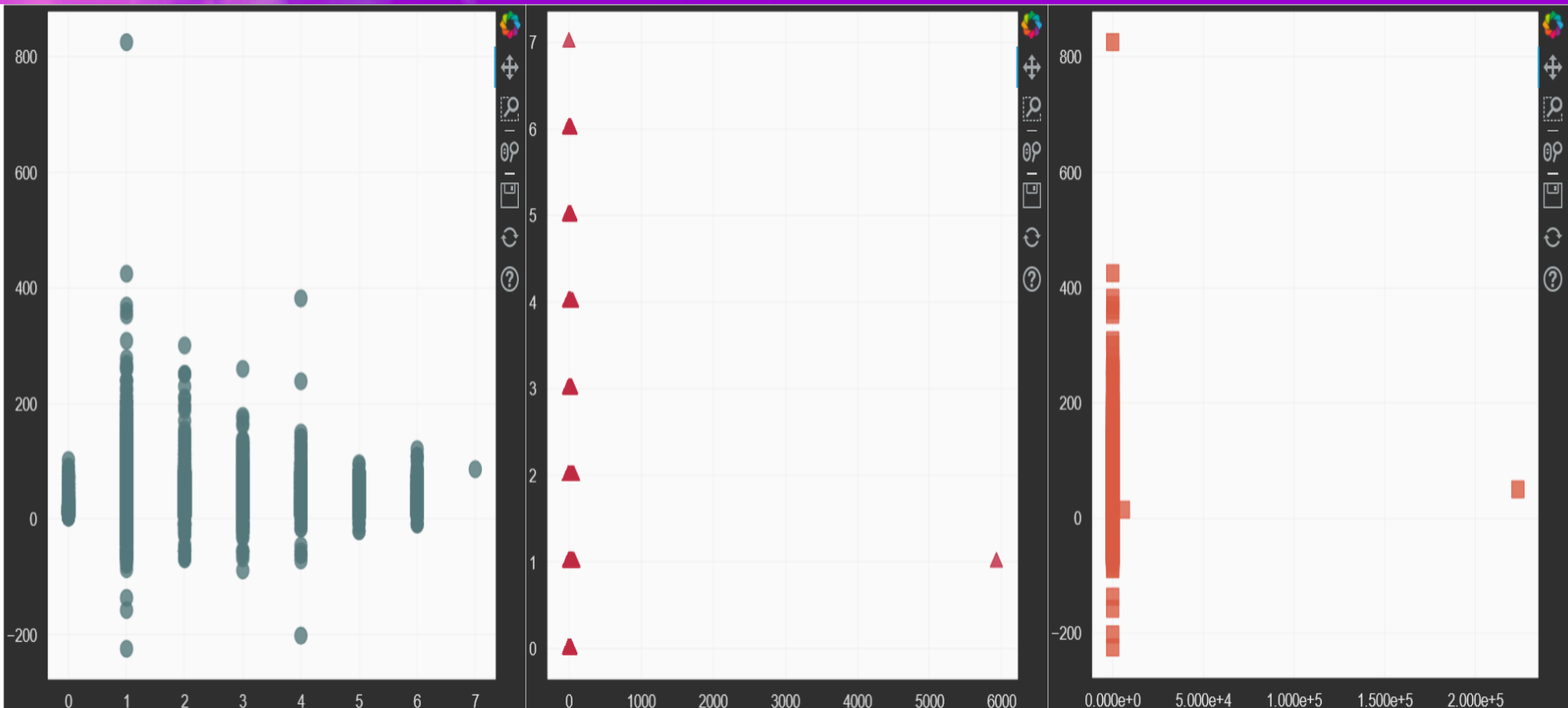


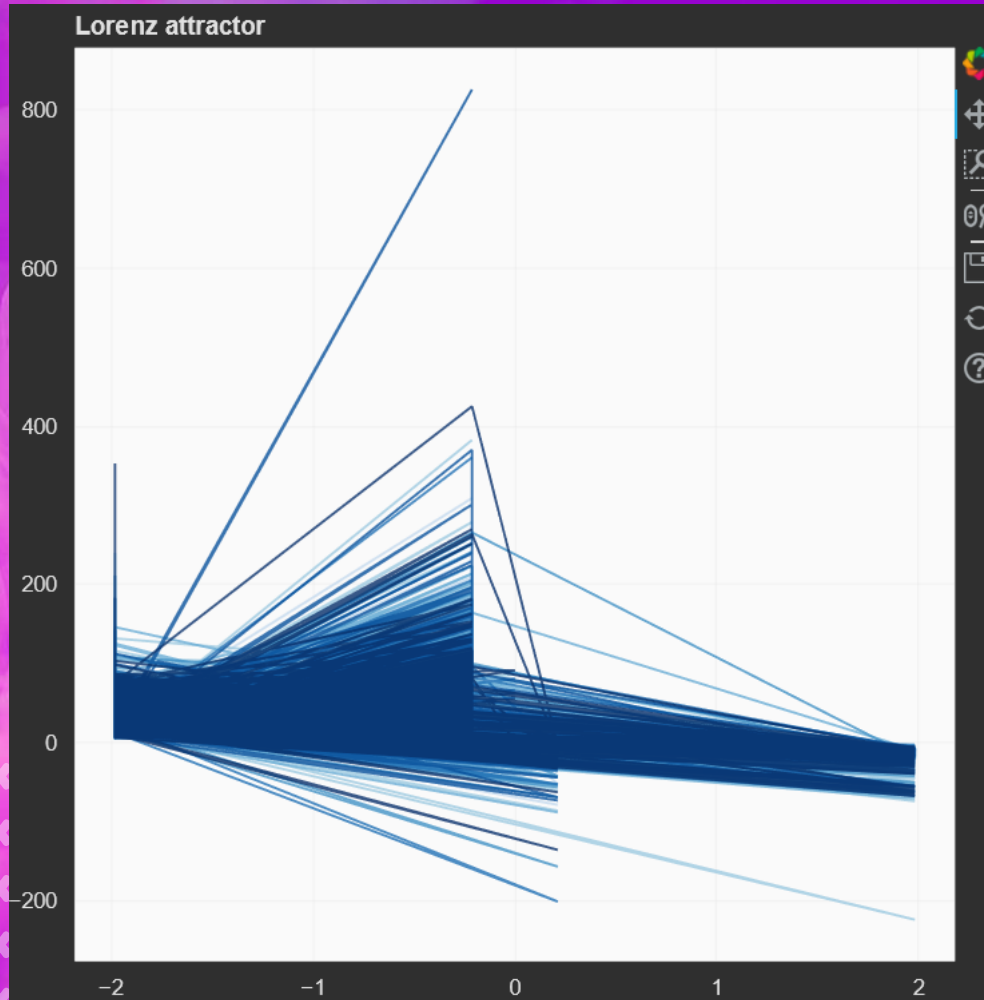
#gridplot for analysing the relation between trip distance,total amount and number of passenger travelling

Plot 1- passenger count and total amount

Plot 2- trip distance and passenger count

Plot 3-trip distance and total amount



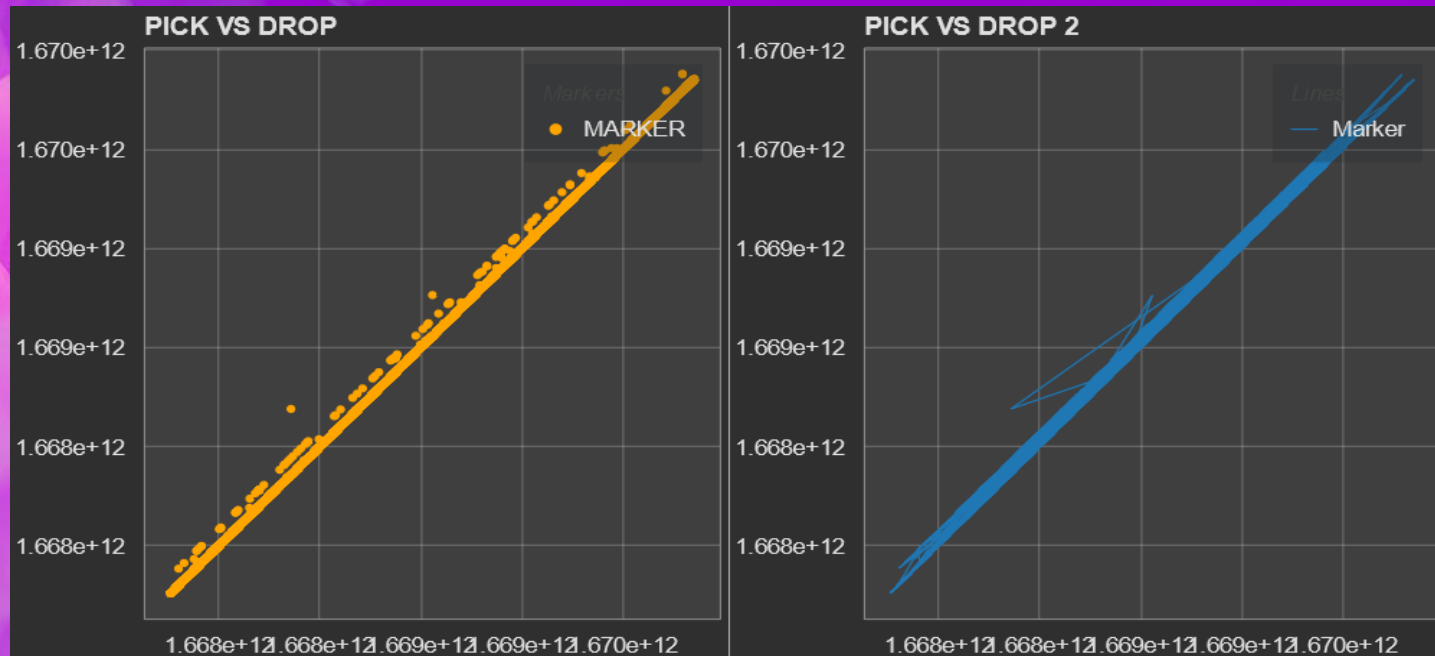


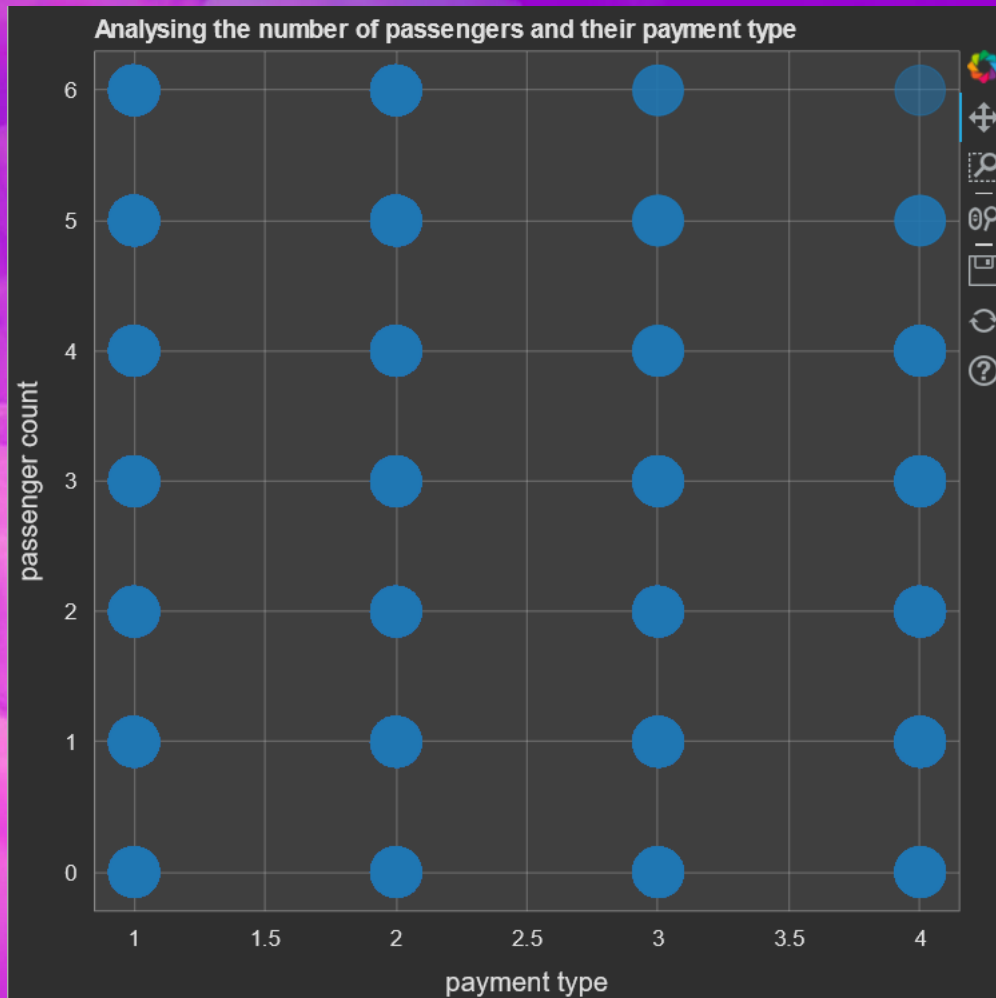
**#plotting the lorenz for
trying to analyse the relation
between improvement and
congestion surcharge along
with total_amount**

Link:

'C:\\Users\\dell\\Yellow taxi
bokeh.html'

#trying to get the pick up and drop date&time using two different plots circle and line



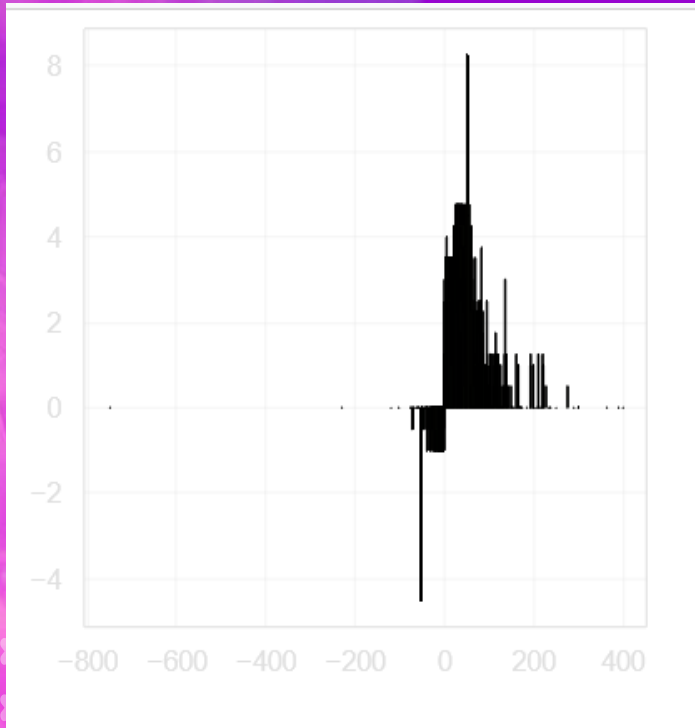


Create plot to analyse the payment type chosen by the number of passengers in the taxi

Link:

'C:\\Users\\dell\\Yellow taxi bokeh.html'






‘#plot showing the relation between the fare amount and extra paid by the passengers


Link :

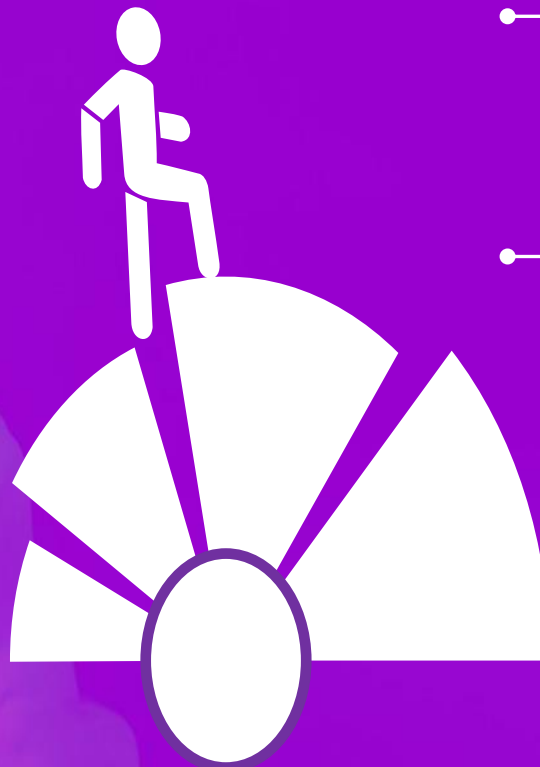
C:\\Users\\del\\Yellow taxi bokeh.html'





Timeline

 Day 1-3
Got insights of Bokeh through documentation and introduction in the slack

 Day 4-5
Understanding the dataset and finding the relationship between them



Day 5-7 
Started coding and debugging issues encountered while plotting the graph .

Day 7-8 
Reviewing the code again and preparing the proper documentation



Thank You