Case 1
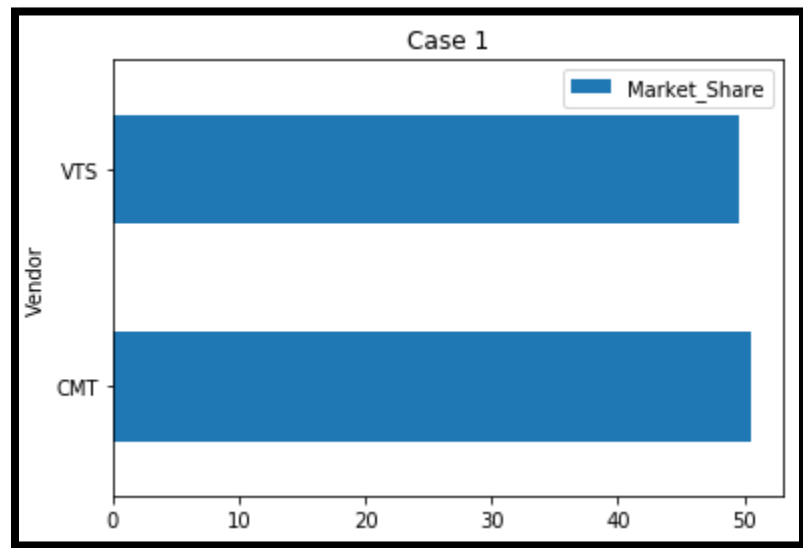
title: Market Share

Description of who might want to buy this: taxi companies to know its market share status

Table and Graph:

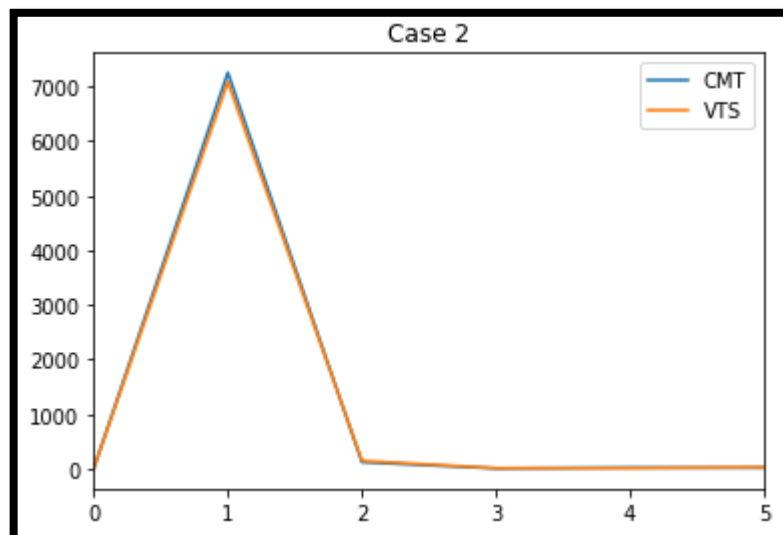|	Vendor	Market_Share
0	CMT	50.462711
1	VTS	49.537289

Case 2

Title: Vendor Rate

Description of who might want to buy this: taxi companies to take it in consideration for advertising or to increase it is rate to match the market according to company status

Table and Graph:


```
+----+----+----+
|Rate| CMT| VTS|
+----+----+----+
|   0|   1|   0|
|   1|7254|7087|
|   2| 120| 145|
|   3|   5|  10|
|   4|  20|  10|
|   5|  16|  28|
+----+----+----+
```
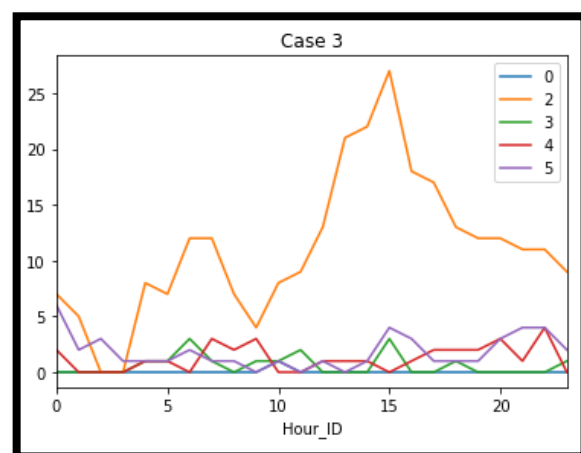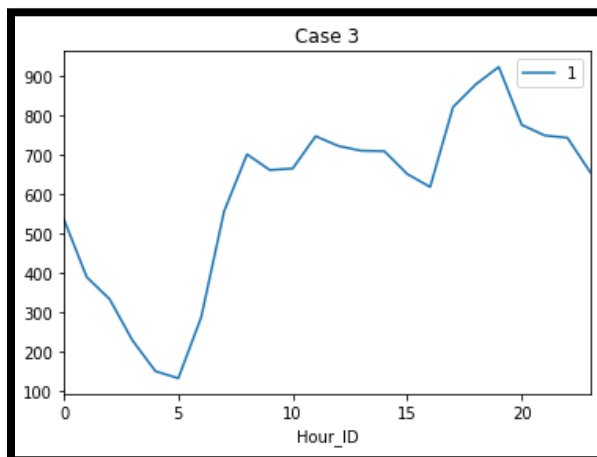
Case 3

Title: Customer Rate

Description of who might want to buy this: customers to know the cheapest time to take taxi / taxi drivers to know the best time to work on

Table and Graph:

```
+-------+---+----+---+---+---+---+
|Hour_ID|  0|   1|  2|  3|  4|  5|
+-------+---+----+---+---+---+---+
|      0|  0| 536|  7|  0|  2|  6|
|      1|  0| 389|  5|  0|  0|  2|
|      2|  0| 333|  0|  0|  0|  3|
|      3|  0| 228|  0|  0|  0|  1|
|      4|  0| 150|  8|  1|  1|  1|
|      5|  0| 132|  7|  1|  1|  1|
|      6|  0| 287| 12|  3|  0|  2|
|      7|  0| 556| 12|  1|  3|  1|
|      8|  0| 701|  7|  0|  2|  1|
|      9|  0| 661|  4|  1|  3|  0|
|     10|  1| 665|  8|  1|  0|  1|
|     11|  0| 747|  9|  2|  0|  0|
|     12|  0| 722| 13|  0|  1|  1|
|     13|  0| 710| 21|  0|  1|  0|
|     14|  0| 709| 22|  0|  1|  1|
|     15|  0| 651| 27|  3|  0|  4|
|     16|  0| 618| 18|  0|  1|  3|
|     17|  0| 821| 17|  0|  2|  1|
|     18|  0| 879| 13|  1|  2|  1|
|     19|  0| 923| 12|  0|  2|  1|
+-------+---+----+---+---+---+---+
only showing top 20 rows
```
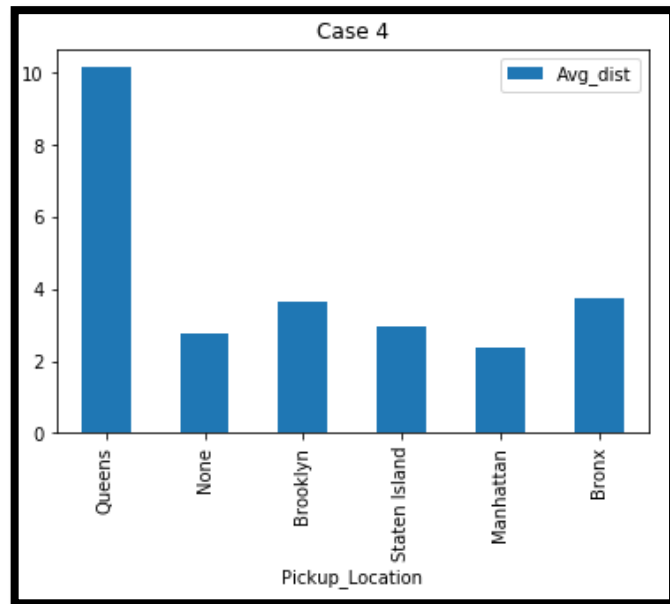
Case 4

Title: Trip Distance per pickup location

Description of who might want to buy this: taxi drivers to adjust their existence upon customers need to make the longest trips per day

Table and Graph:

```
+---------------+------------------+
|Pickup_Location|          Avg_dist|
+---------------+------------------+
|         Queens|10.160263522884884|
|           null|2.7486241610738267|
|       Brooklyn|3.6275418994413404|
|  Staten Island|              2.98|
|      Manhattan| 2.382660350402285|
|          Bronx|3.7472222222222222|
+---------------+------------------+
```
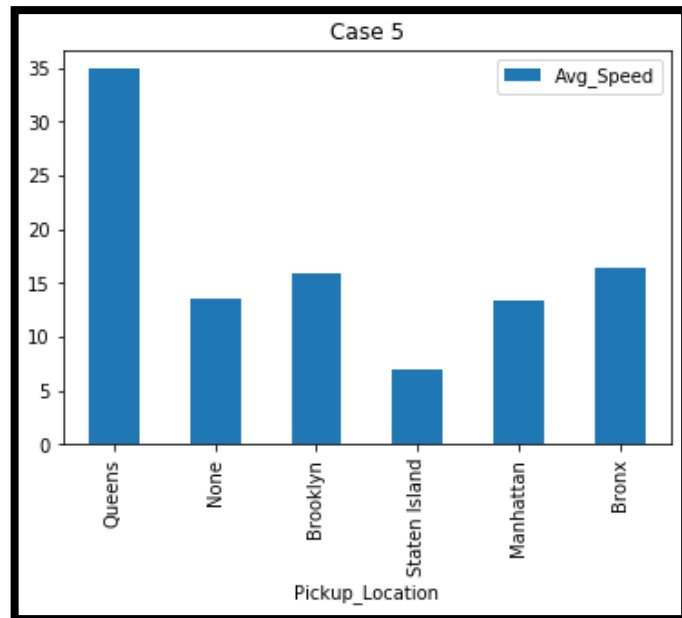
Case 5

Title: Traffic Jamming

Description of who might want to buy this: taxi drivers and taxi companies to dimension their cars and to know the average speed per trip for each pickup location

Table and Graph:

```
+---------------+------------------+
|Pickup_Location|        Avg_Speed|
+---------------+------------------+
|         Queens|  34.90035368768957|
|           null|13.506115318867176|
|       Brooklyn| 15.93413382412576|
|  Staten Island| 7.025281724644781|
|      Manhattan|13.347089277063805|
+---------------+------------------+
only showing top 5 rows
```
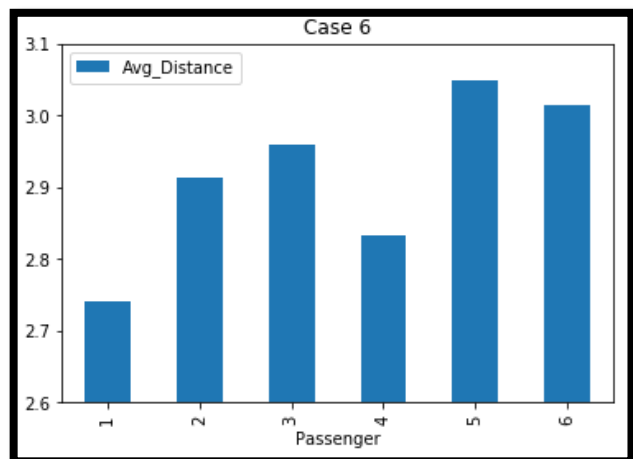

Case 6

Title: Passengers per trip distance

Description of who might want to buy this: taxi companies to check and reassess it's tariff per Km

Table and Graph:

```
+---------+------------------+------------+
|Passenger|      Avg_Distance|Max_Distance|
+---------+------------------+------------+
|        1|2.7420896809427995|        9.99|
|        2|2.9147357926221327|        9.98|
|        3|2.9605084745762715|        9.80|
|        4|2.8322183098591576|        9.90|
|        5| 3.048636897767334|        9.92|
+---------+------------------+------------+
only showing top 5 rows
```

Case 7

Title: City to city traffic analysis

Description of who might want to buy this: government to know the number of trips between each pair of cities to dimension it is infrastructure and public transportation

Table and Graph:

	Date	Bronx-Manhattan	Brooklyn-Manhattan	Brooklyn-Queens	Manhattan-Bronx	Manhattan-Brooklyn	Manhattan-Queens	Queens-Bronx	Queens-Brooklyn	Queens-Manhattan
0	1-1	4	5	0	2	17	21	2	3	12
1	10-1	0	6	0	0	17	17	0	1	12
2	11-1	2	4	0	0	14	15	0	2	16