NAME → MANSI UNIYAL

UNIVERSITY ROLL NO → 2101115

STUDENT ID → 21712134

COURSE → MCA

SEC → B

CLASS ROLL NO → 63

ENROLL NO → PV-18210082

Scripting

Ans 2:-

```
<!DOCTYPE html>
<head>
<title> JQuery show and hide effects </title>
<script src = "https://code.jquery.com/jquery-1.12.4.min.
                                        js"> </script>
<style>
  .button {
    text-align: center;
    display : inline-block;
    font-size : 12px;
    cursor: pointer;
  }
</style>
<script>
  $(document).ready(function(){
    $("#show").click(function(){
        $("h2").show();
    });
    $("#hide").click(function(){
        $("h2").hide();
});    });
```

Mansi

```
</script>
</head>
<body>
  <h2> Scripting language </h2>
  <button class="button" id="hide"> Hide </button>
  <button class="button" id="show"> Show </button>
</body>
</html>
```

Scripting language.

Hide Show

Hide Show

Ans1 :-

```
<html>
<head>
<title> Customes Info </title>
</head>
<?php
    $ con = mysqli-connect ("localhost", "root", "", "practice");
    if (! con)
    {
      die ("not connected". mysqli-error ());
    }
    echo "Connection open". "<br/>";
    $ a = ~~mysqli~~ mysqli_select_db ("customes", $con );
    if (! a)
    {
      die ("not found ". mysqli-error());
    }
    echo " Database selected ". "<br/>";
    $ query = "select * from cust";
    $ sql = ~~mysqli~~ ~~mysql~~ mysqli_query ( $query);
    echo "<table border ='1'>
    <tr>
    <th> C_No </th>
    <th> C_Name </th>
    <th> Item_Purchased </th>
    <th> Mob_no </th>
    </tr>";
```

```
while ($row = mysqli_fetch_array ($sql))
 {
 echo "<tr>";
 echo "<td>". $row['c_no']. "</td>";
 echo "<td>". $row['c_name']. "</td>";
 echo "<td>". $row['item_purchased']. "</td>";
 echo "<td>". $row['mob_no'] ."</td>";
 echo "</tr>";
 }
 echo "</table>";
 ?>
</body>
</html>
```

Connection open
Database selected

C_No	C_Name	Item_Purchased	Mob_no
1	ABC	PEN	646534
2	XYZ	PENCIL	43874

R

Ans 3 :- Dataset on Delivery partners Data named as mydata.csv

R:

Plotting the Graphs from mydata.csv

- Installing ggplot package

  install.packages("ggplot2")

  This package is important for plotting graphs and charts few of them is shown below

- using ggplot() library → library(ggplot2)

Bargraph plot

```
ggplot(mydata, aes(x= SHIFT_END_TIME, y= DE_HOME_LNG)) +
  geom_bar(stat = "identity")
```

Piechart plot

```
ggplot(mydata, aes(y="", fill=NAME, x= DE_HOME_LAT)) +
geom_bar(width = 1, stat ="identity") + coord_polar("x", start=0)
```

Box plot

```
ggplot(mydata, aes(x= DE_HOME_LAT, y= DE_ID)) +
  geom_boxplot()
```

Scatter plotting

```
ggplot(mydata, aes(x= DE_HOME_LAT, y= DE_ID)) +
    geom_point()
```

Line Graph

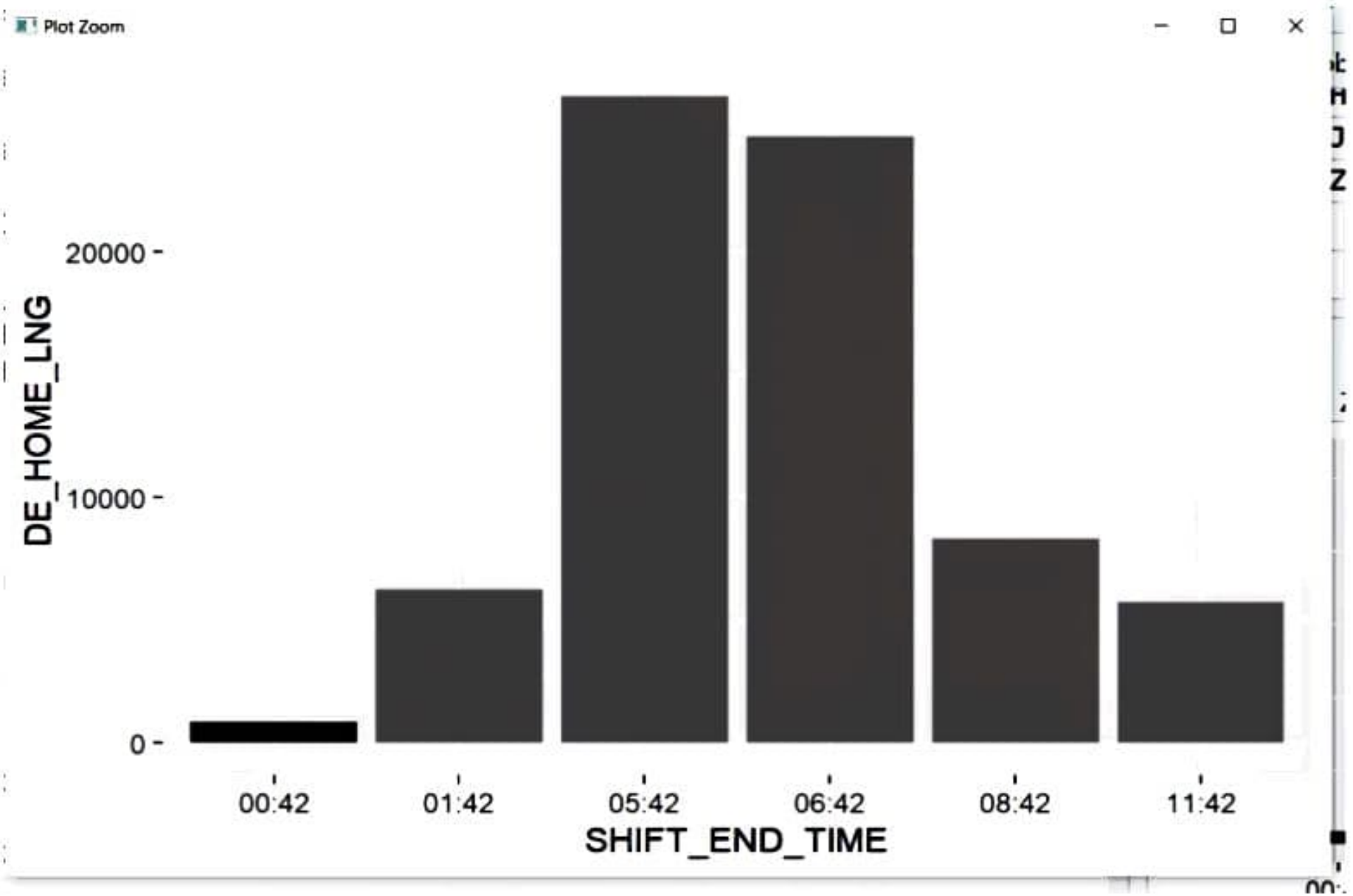
```
ggplot(mydata, aes(y = DE_ID, x = DE_HOME_LAT, group =
NAME, colour = NAME)) + geom_line() + geom_point()
```

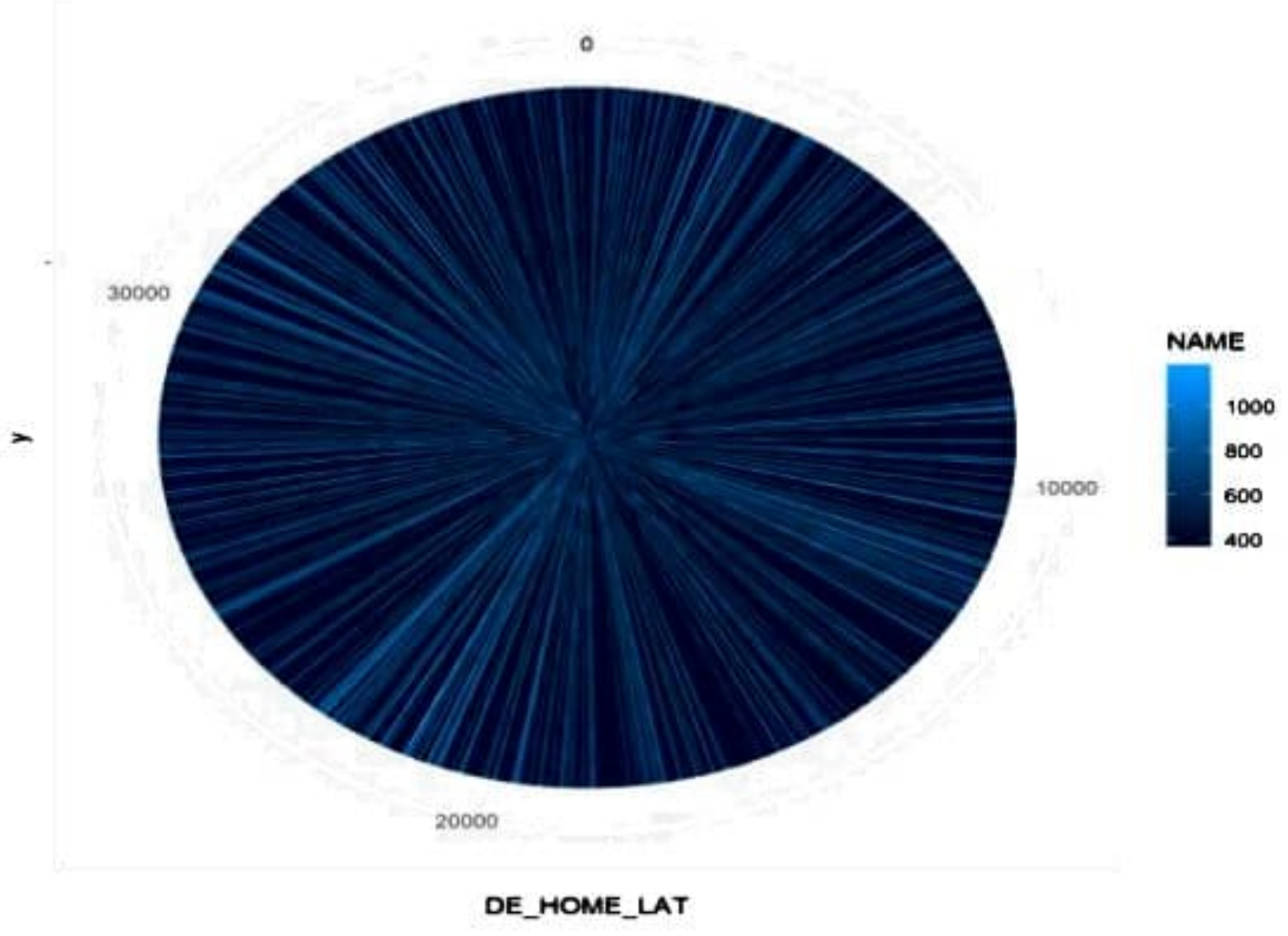
Setting of working directory → setwd("C:/Users/Mansi")

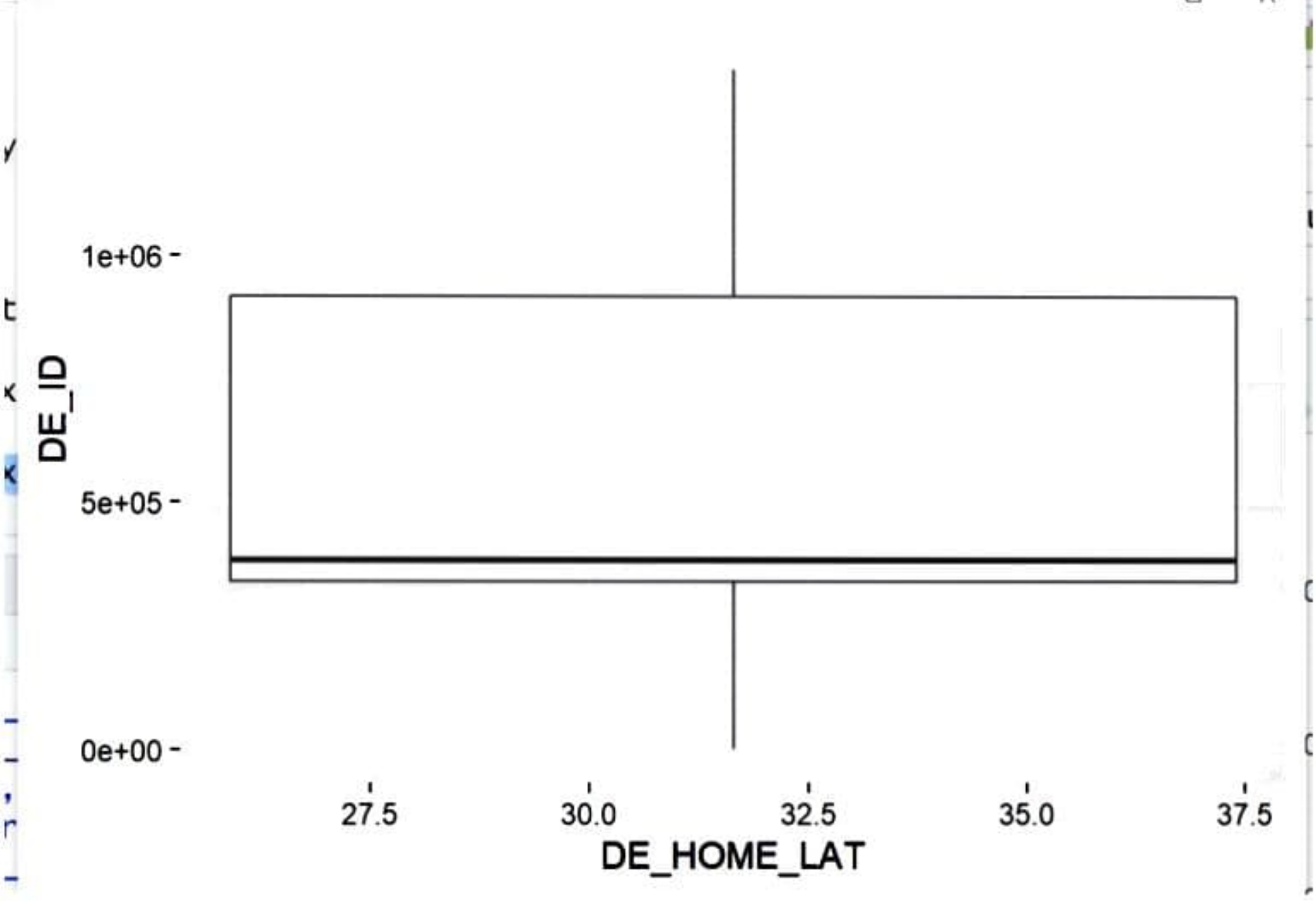
Reading of .csv file → mydata1 <- read.csv("mydata.csv")

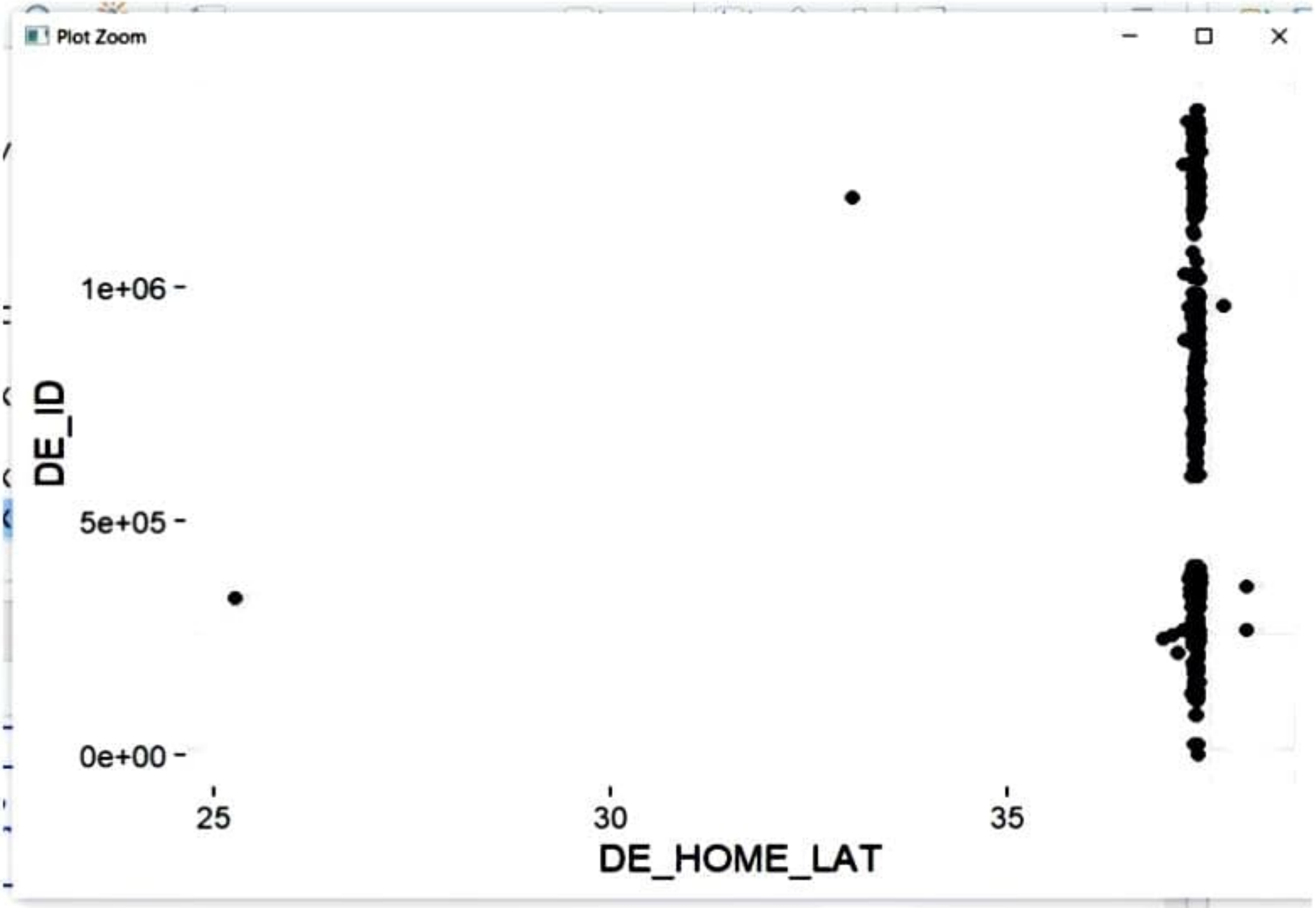
Installing dplyr package → install.packages("dplyr") library(dplyr)

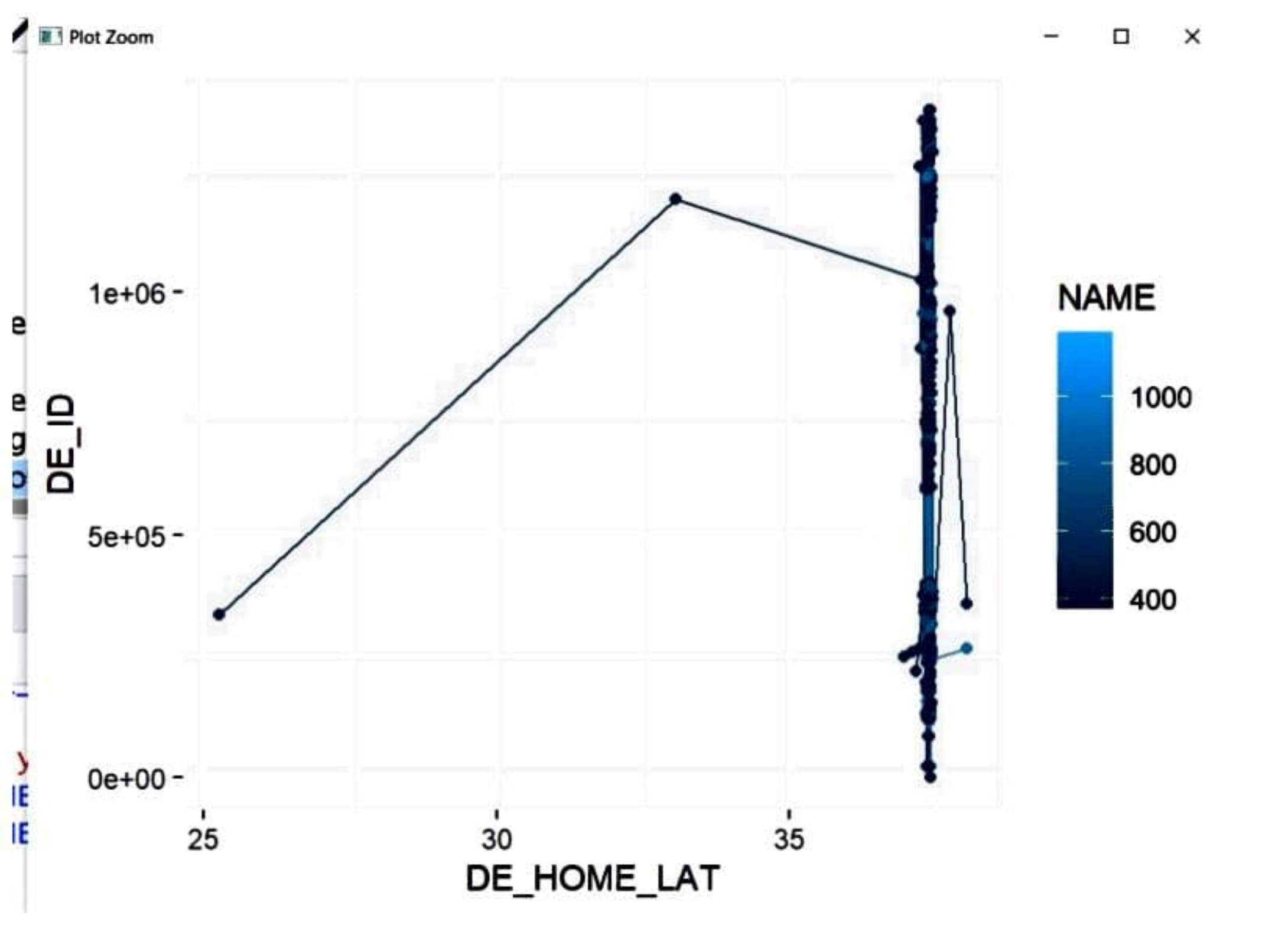
displaying columns names of given dataset → names(mydata1)


Plot Zoom
20000
10000
0
DE_HOME_LNG
00:42
01:42
05:42
06:42
08:42
11:42
SHIFT_END_TIME


0
10000
20000
30000
y
DE_HOME_LAT
NAME
1000
800
600
400


1e+06
5e+05
0e+00
DE_ID
27.5
30.0
32.5
35.0
37.5
DE_HOME_LAT


Plot Zoom
1e+06
5e+05
0e+00
DE_ID
25
30
35
DE_HOME_LAT


Plot Zoom
1e+06
5e+05
0e+00
DE_ID
25
30
35
DE_HOME_LAT
NAME
1000
800
600
400

Ans 1:- Descriptive -

- Calculating mean value $ DE-ZONE_ID of column

  mean (mydata1 $ DE_ZONE_ID)

- Calculating median value of $ DE-ZONE-ID of column

  median (mydata1 $ DE_ZONE_ID)

- finding maximum value from column

  max (mydata1 $ DE-ZONE_ID)

- finding minimum value from column

  min (mydata1 $ DE_ZONE-ID)

- Quantile function - produces sample quantiles corresponding to given probabilities

  quantile (mydata1 $ DE-ZONE_ID, 0.75)

- sd function → computing standard deviation $ DE-ZONE-ID of column

  sd(mydata1$DE-ZONE-ID)

- var function → computing variance of $ DE-ZONE-ID column. It is measure of how much value is away from mean

  var(mydata1$DE-ZONE-ID)

- str function → display internal structure of dataset

  str(mydata1)

- dim function → display dimension of dataset

  dim(mydata1)

- Summary → provide summary related to invidual object in dataset

  summary(mydata1)

- Head() → Return first n rows of dataset
- Tail() → Return last n rows of dataset

  eg → mysubdata <- select(mydata1, DE-ZONE-ID)

  mysubdata
  head(mysubdata, 5)
  tail(mysubdata, 6)

- filter function → used to subset data frame that satisfy condition

  mysubdata ← filter(mydata1, DE-ID > 200000 & DE-ZONE-ID > 800)

- Select function → used to select variable (columns) in R. positive values select variable; negative values to drop variables;

```
mysubdata <- select (mydata1, DE_HOME_LAT, DE_ID, DE_HOME_
    LNG)
mysubdata
```

Inference.

→ Shift end time 05:42 and 06:42 gives value of DE_HOME_LNG above 20000

→ Shift end time 00:42 produces lowest DE_HOME_LNG

→ 45% are having DE_ZONE_ID more than 624

→ 25% are having DE_ID more than 339761.5

→ Average of DE_ZONE_ID is 481.9273

→ Median value of DE_ZONE_ID is 374

R 4.1.1 · C:/Users/Mansi/

```
> mydata1<-read.csv("mydata.csv")
> mydata1
```

	DE_ID	SHIFT_END_TIME	DE_HOME_LAT	DE_HOME_LNG	DE_JOINING_DATE
1	141533	06:42	37.39043	72.84942	2019-09-20
2	235942	08:42	37.37229	72.88534	2020-03-15
3	973234	06:42	37.41027	72.85361	2018-12-21
4	973473	05:42	37.39707	72.87253	2018-12-21
5	1016546	06:42	37.42555	72.89514	2019-01-11
6	130629	05:42	37.37313	72.80657	2019-09-10
7	148633	01:42	37.40634	72.83629	2019-09-28
8	356712	11:42	37.37264	72.84456	2020-08-09
9	595376	05:42	37.39324	72.84024	2018-05-02
10	719813	11:42	37.40897	72.81698	2018-07-27
11	927508	06:42	37.36408	72.87984	2018-11-28
12	1180464	05:42	37.39157	72.87171	2019-04-01
13	251821	05:42	37.35586	72.86168	2020-04-19
14	348233	05:42	37.38340	72.87815	2020-08-02
15	371027	05:42	37.38393	72.84056	2020-08-21
16	394613	06:42	37.39850	72.84420	2020-09-14
17	120862	06:42	37.41826	72.90360	2019-09-01
18	285896	06:42	37.40640	72.84040	2020-05-24
19	359992	05:42	37.39367	72.84292	2020-08-12
20	939661	01:42	37.42347	72.89783	2018-12-04

Console Terminal × Jobs ×

R 4.1.1 · C:/Users/Mansi/

19	359992	05:42	37.39367	72.84292	2020-08-12
20	939661	01:42	37.42347	72.89783	2018-12-04
21	134543	11:42	37.38081	72.84966	2019-09-14
22	343321	08:42	37.38242	72.84741	2020-07-28
23	354401	06:42	37.38226	72.85706	2020-08-07
24	368898	08:42	37.38701	72.85745	2020-08-19
25	597827	06:42	37.34192	72.85718	2018-05-05
26	1331210	05:42	37.38252	72.87029	2019-06-08
27	376139	11:42	37.40611	72.83018	2020-08-26
28	395893	06:42	37.38790	72.88709	2020-09-16
29	1018888	06:42	37.40783	72.84981	2019-01-11
30	1194252	05:42	37.39652	72.85020	2019-04-09
31	315808	05:42	37.33785	72.82100	2020-06-27
32	1160327	05:42	37.41883	72.91359	2019-03-23
33	271629	06:42	37.41095	72.89471	2020-05-10
34	660615	05:42	37.38164	72.84879	2018-06-23
35	740884	05:42	37.39386	72.90815	2018-08-06
36	1031074	00:42	37.38270	72.86897	2019-01-18
37	1232717	08:42	37.43187	72.84238	2019-04-27
38	1232844	11:42	37.41188	72.91219	2019-04-27
39	358291	05:42	37.40394	72.84091	2020-08-10
40	378834	05:42	37.37530	72.85326	2020-08-29
41	384958	01:42	37.40594	72.85580	2020-09-04
42	400510	06:42	37.40393	72.85577	2020-09-21

Console Terminal × Jobs ×

R 4.1.1 · C:/Users/Mansi/

40	378834	05:42	37.37530	72.85326	2020-08-29
41	384958	01:42	37.40594	72.85580	2020-09-04
42	400510	06:42	37.40393	72.85577	2020-09-21
43	1212836	06:42	37.38837	72.89136	2019-04-14
44	341073	06:42	37.39450	72.89143	2020-07-26
45	343228	11:42	37.37699	72.80944	2020-07-28
46	389393	06:42	37.32270	72.85324	2020-09-10
47	695623	06:42	37.36105	72.89566	2018-07-14
48	886266	06:42	37.40486	72.88821	2018-11-07
49	1303064	05:42	37.38451	72.83117	2019-05-27
50	368615	06:42	37.38613	72.83816	2020-08-19
51	372543	06:42	37.40063	72.80998	2020-08-22
52	1017395	08:42	37.43293	72.83838	2019-01-11
53	1323369	06:42	37.39073	72.83916	2019-06-05
54	234814	05:42	37.38911	72.85727	2020-03-08
55	285556	00:42	37.37749	72.87826	2020-05-24
56	397846	05:42	37.38576	72.86148	2020-09-18
57	598654	05:42	37.41266	72.63547	2018-05-05
58	1169319	01:42	37.36816	72.88400	2019-03-27
59	266481	08:42	38.03120	71.78051	2020-05-06
60	375487	05:42	37.40708	72.86654	2020-09-25
61	397804	05:42	37.37962	72.86814	2020-09-18
62	342555	05:42	37.40729	72.89412	2020-07-28

	DE_ZONE_ID
1	372
2	372
3	375
4	624
5	668
6	624
7	375
8	374
9	372
10	375
11	841
12	372
13	372
14	841
15	372
16	372
17	841
18	372
19	372
20	668
141	374
142	372
143	624
144	372
145	624
146	372
147	372
148	375
149	841
150	372
151	372
152	668
153	374
154	374
155	372
156	373
157	373
158	372
159	841
160	372
161	372
162	372
163	668
164	841