

bike rental excel

Questions and answer with explanation

1. which month has the most rentals i want to find this in excel.

Ans. month = 9 i.e october

formula used:

=INDEX(P2:P732, MATCH(MAX(O2:O732), O2:O732, 0))

explanation:

- **O2:O732** : This part refers to the range of cells in column O, specifically from cell O2 to cell O732. This is where the "Count" values are located.
- **, 0** : This part of the formula is an argument in the **MATCH** function. The **MATCH** function is used to find the position of a value within a range.
 - The first argument of **MATCH** is **MAX(O2:O732)**, which finds the highest value in the "Count" column.
 - The second argument of **MATCH** is **O2:O732**, which is the range where the "Count" values are located.
 - The third argument of **MATCH** is **0**, which indicates an exact match. It's telling Excel to find the position of the value that exactly matches the highest count.

In summary, the part **O2:O732, 0** is used in the **MATCH** function to find the position of the highest count within the range of "Count" values in column O (O2:O732). The **0** indicates that the match should be exact. This position is then used by the **INDEX** function to retrieve the corresponding "Month" value from the "Month" column.

2. which part of the month has most rental.

Ans. day= 15

formula used:

=INDEX(Q2:Q732, MATCH(MAX(O2:O732), O2:O732, 0))

explanation:

- **O2:O732** : This part refers to the range of cells in column O, specifically from cell O2 to cell O732. This is where the "Count" values are located.
- **, 0** : This part of the formula is an argument in the **MATCH** function. The **MATCH** function is used to find the position of a value within a range.
 - The first argument of **MATCH** is **MAX(O2:O732)**, which finds the highest value in the "Count" column.
 - The second argument of **MATCH** is **O2:O732**, which is the range where the "Count" values are located.
 - The third argument of **MATCH** is **0**, which indicates an exact match. It's telling Excel to find the position of the value that exactly matches the highest count.

In summary, the part **O2:O732, 0** is used in the **MATCH** function to find the position of the highest count within the range of "Count" values in column O (O2:O732). The **0** indicates that the match should be exact. This position is then used by the **INDEX** function to retrieve the corresponding "Day" value from the "Month" column.

3. How many registered and non- registered members.

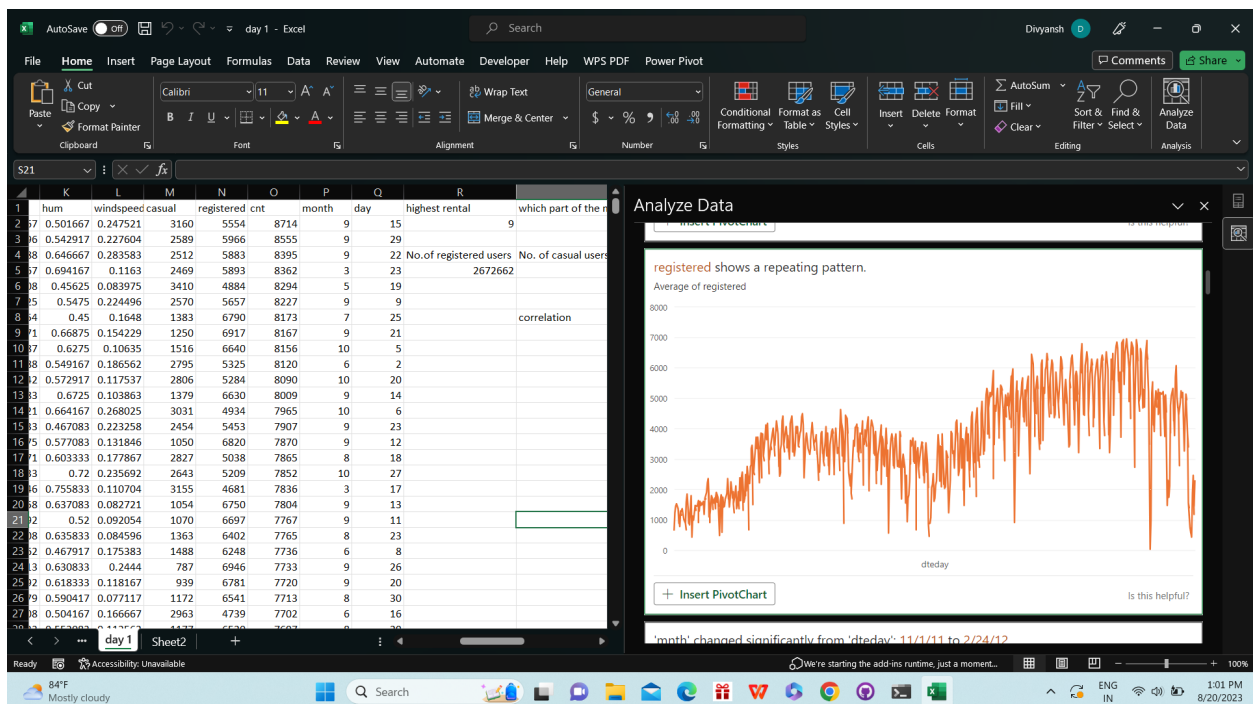
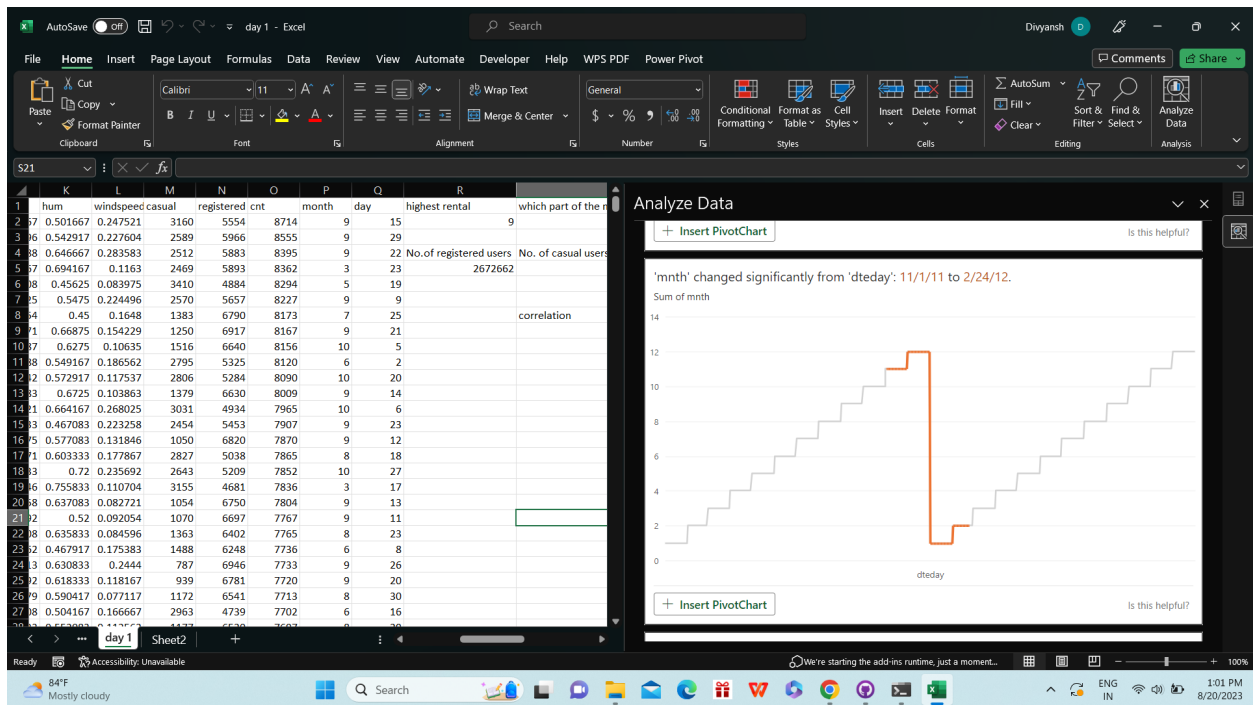
Ans. registered = sum(registered range)

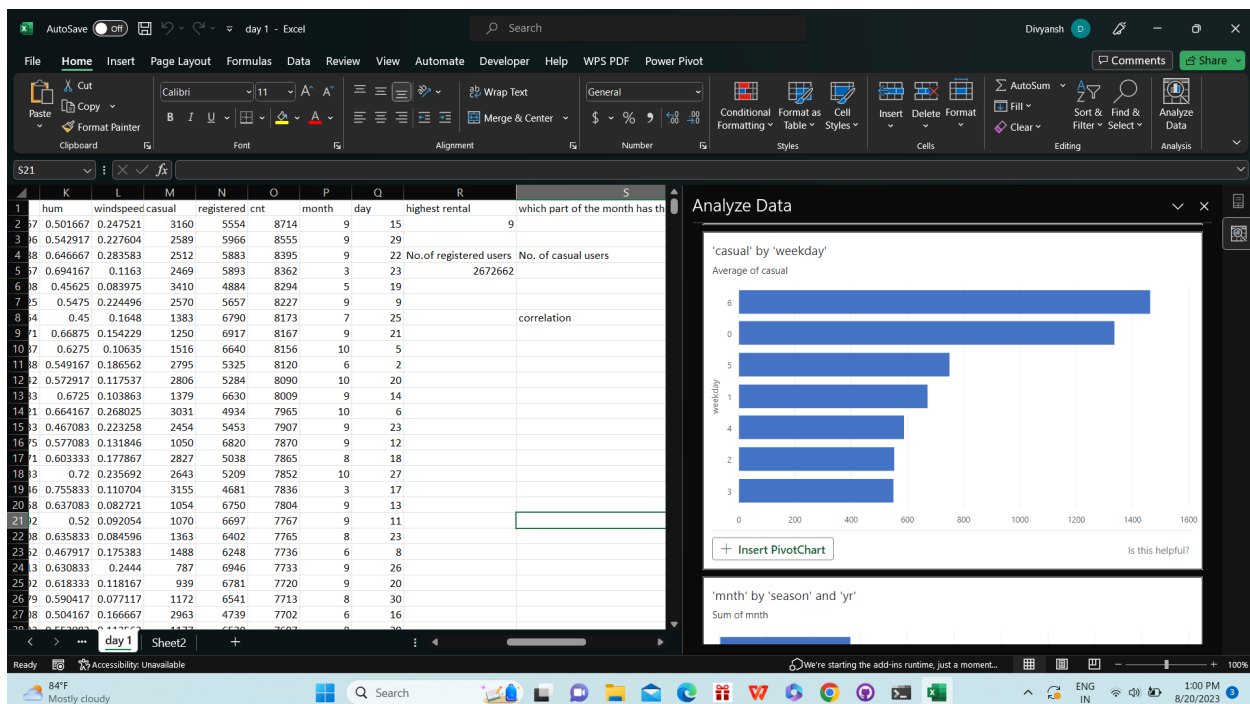
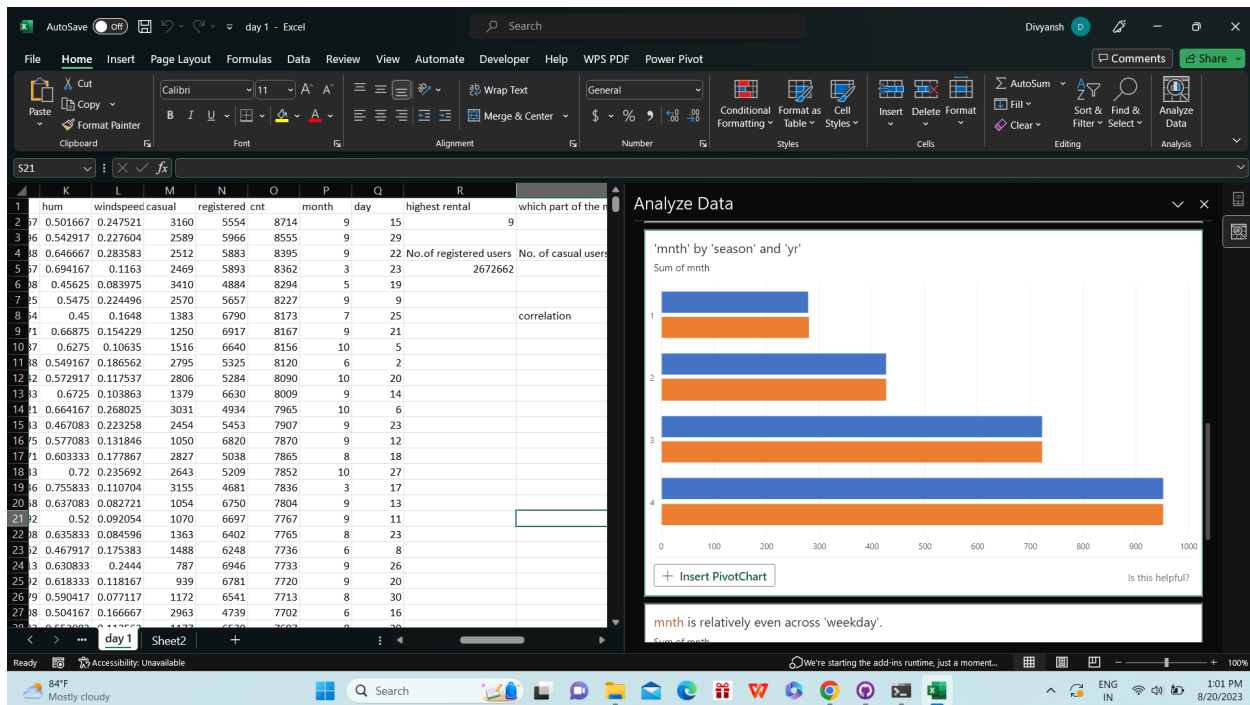
non-registered=sum(non-registered)

4. Find which factor is most affecting the rentals.

Ans. use excel add-ons that is ANALYZE DATA on home tab and it will answer almost every question .

Some screenshots of analyze data:





Various other questions are:

Q. What temp, atemp, humidity, wind speed is favourable for rental

Q. Whether working day or holiday which has a higher number of rentals and write its reason.

Q.compare between working days, holidays, and weekends.

Q. Find which factor is most affecting the rentals.