Cyclistic User Analysis

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Analysis

The next step is to start analyzing the data. To do that I have uploaded the cuserDataYearly file downloaded from the SQL query in the previous step.

I then installed the required packages and library from TidyVerse.

```
install.packages("tidyverse")
```

```
## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.1'
## (as 'lib' is unspecified)
```

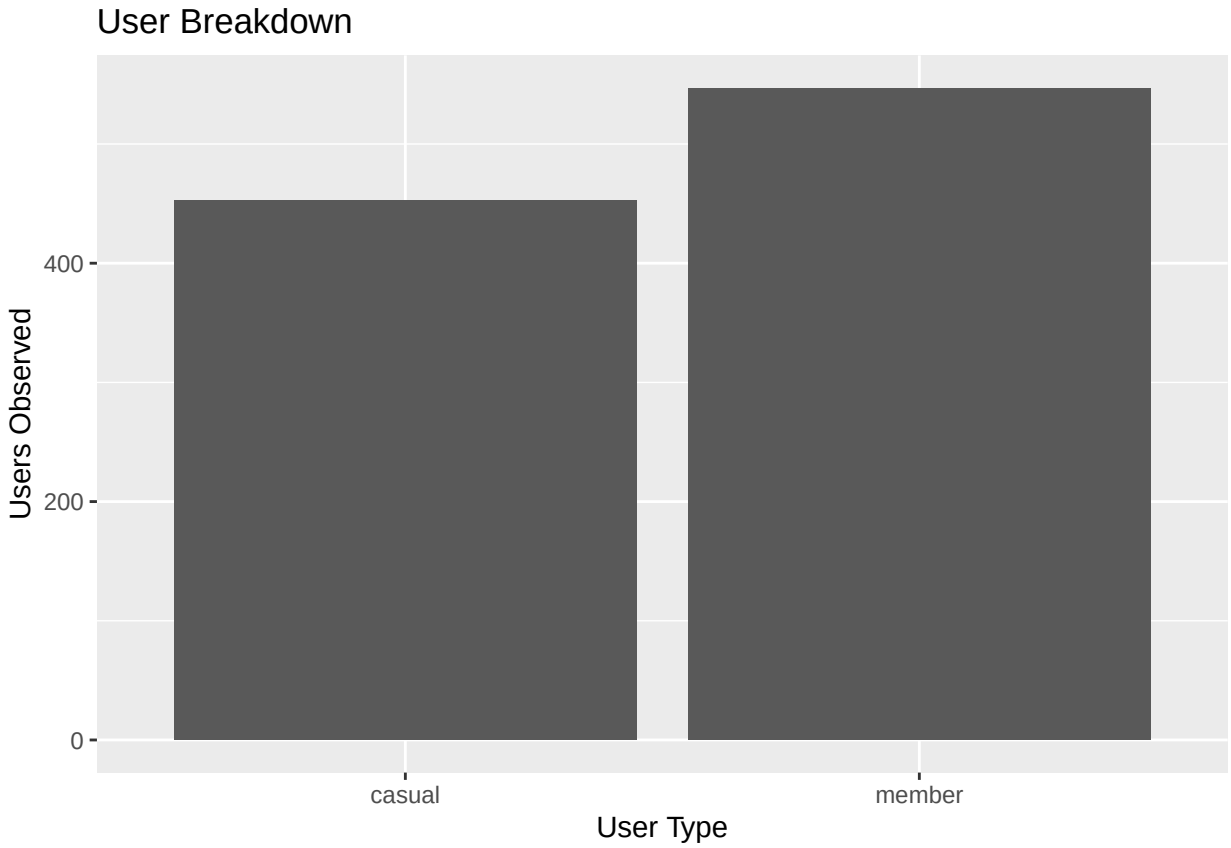
```
library(ggplot2)
```

I assigned the variable userData to by csv document.

```
userData <- read.csv("/cloud/project/userDataYearly.csv")
```

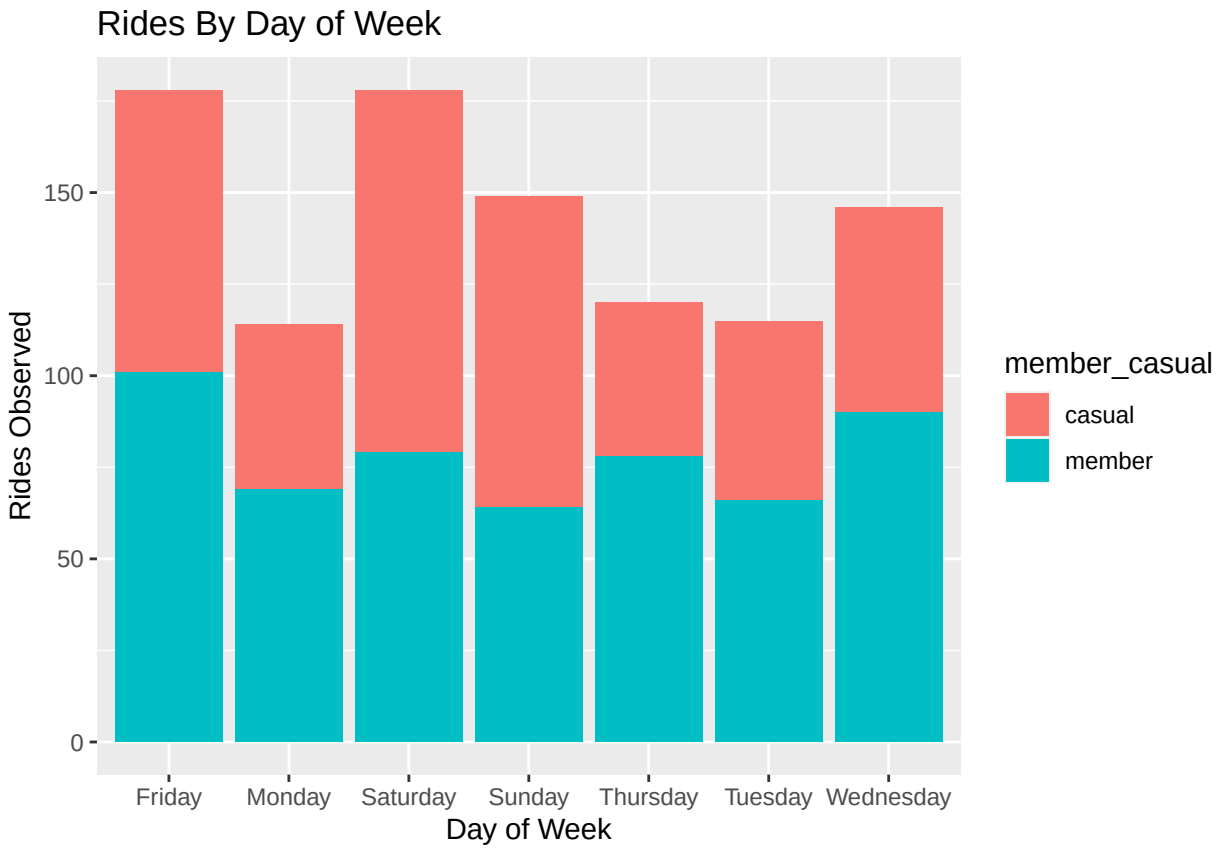
I created a table showing the total number of members and casual users in the study.

```
ggplot(data = userData)+geom_bar(aes(x=member_casual))+labs(title="User Breakdown",x="User Type",y="Use
```



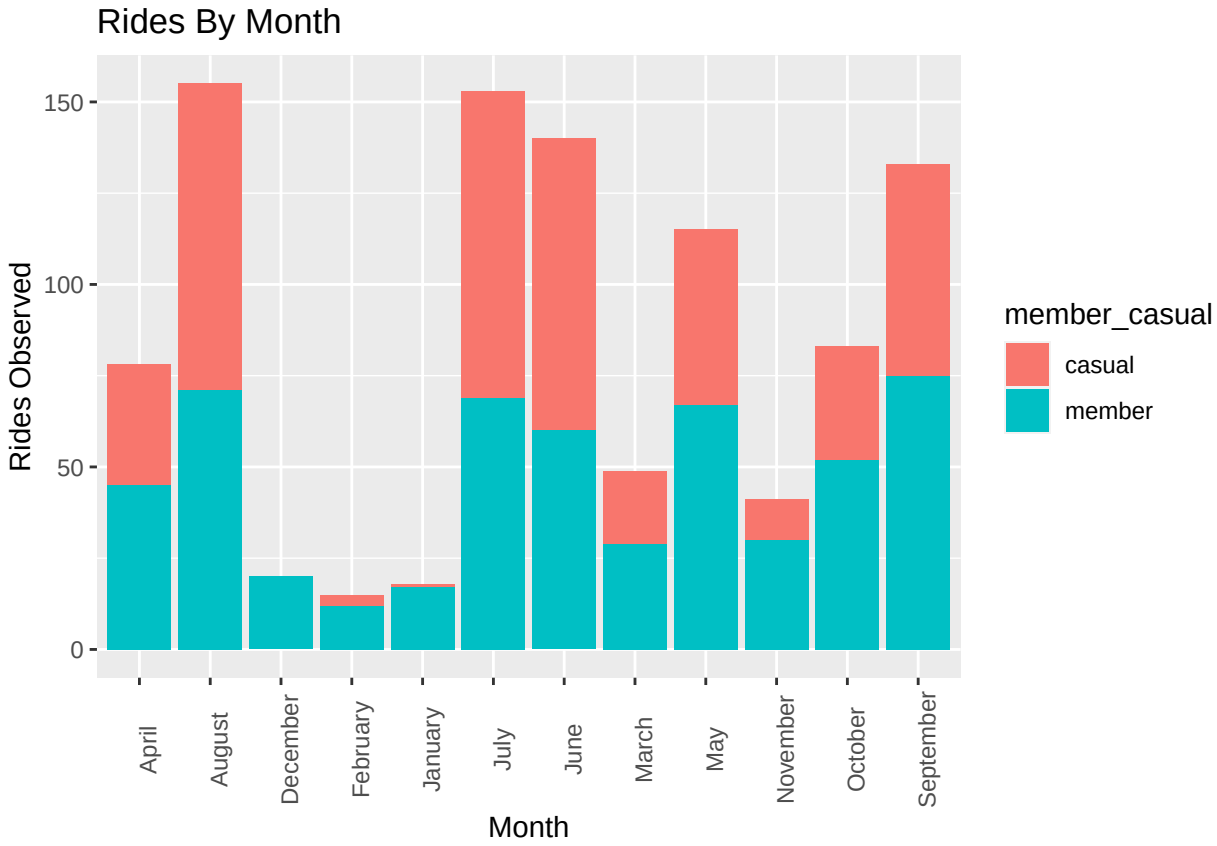
I created a bar chart showing the rides by day of the week.

```
ggplot(data = userData)+geom_bar(aes(x=day_started,fill=member_casual))+labs(title="Rides By Day of Wee
```



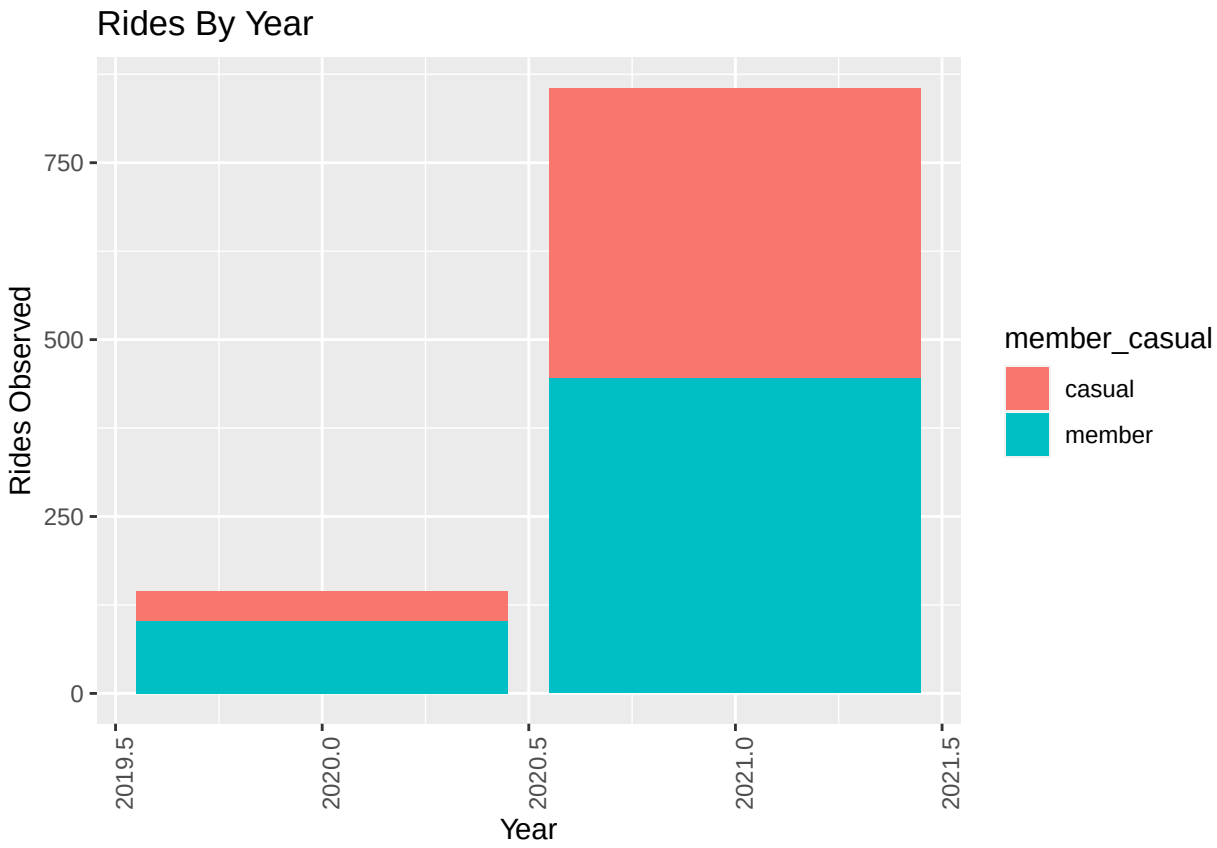
I created a bar chart showing the rides by month.

```
ggplot(data = userData)+geom_bar(aes(x=month_started,fill=member_casual))+labs(title="Rides By Month",x=
```



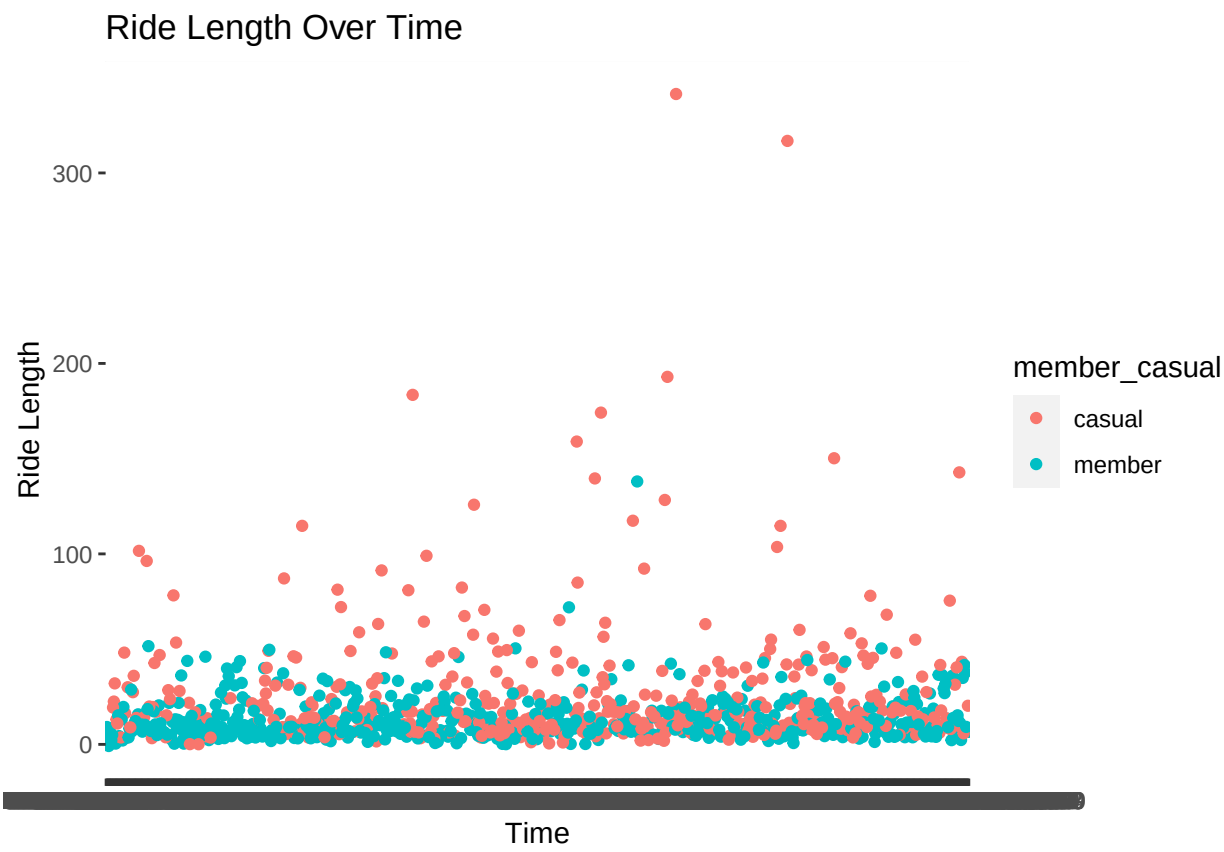
I created a bar chart showing the rides by year.

```
ggplot(data = userData)+geom_bar(aes(x=year_started,fill=member_casual))+labs(title="Rides By Year",x="
```



I created a scatter plot showing ride lengths over time.

```
ggplot(data = userData)+geom_point(aes(x=started_at,y=ride_length_minutes,color=member_casual))+labs(ti
```


Ride Length Over Time
300
200
100
0
Ride Length
Time
member_casual
casual
member