Interesting Things Found

As a disclaimer, my project did not have the full implementation of what the project requires so this will be a little barebones.

The main interesting thing that was found from the entries per year plot that I was able to graph. This shows the major gap and effect that the COVID-19 pandemic affected ridership in the CTA.
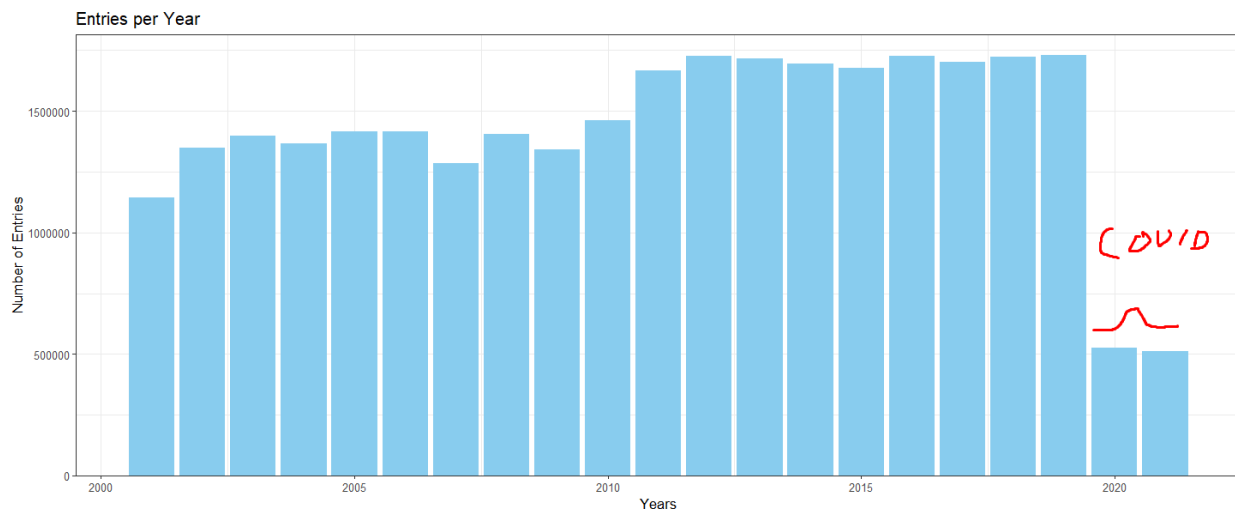

Figure 1: COVID-19

Here we can clearly see that the previous trend was remaining steady at the ~1,700,000 rides per year but it drops drastically down to ~500,000 and this reflects when people were urged to stay at home if they don't have an essential job.

Another interesting thing that we are shown is how on weekends, there are about half as many entries per day in comparison to work days.
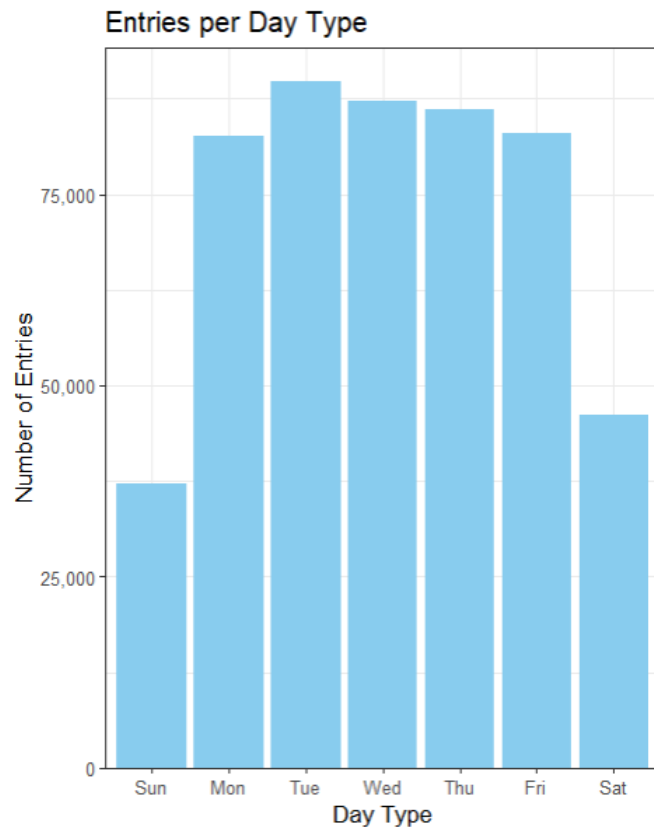
Figure 2: Week Day Entries

We can also see that towards the end of 2021, the number of entries increase because the city is trying to get back to normal so people are returning to work at their jobs instead of an online structure. This means more entries in the CTA are required to actually go to these jobs in person. With entries peaking in September.
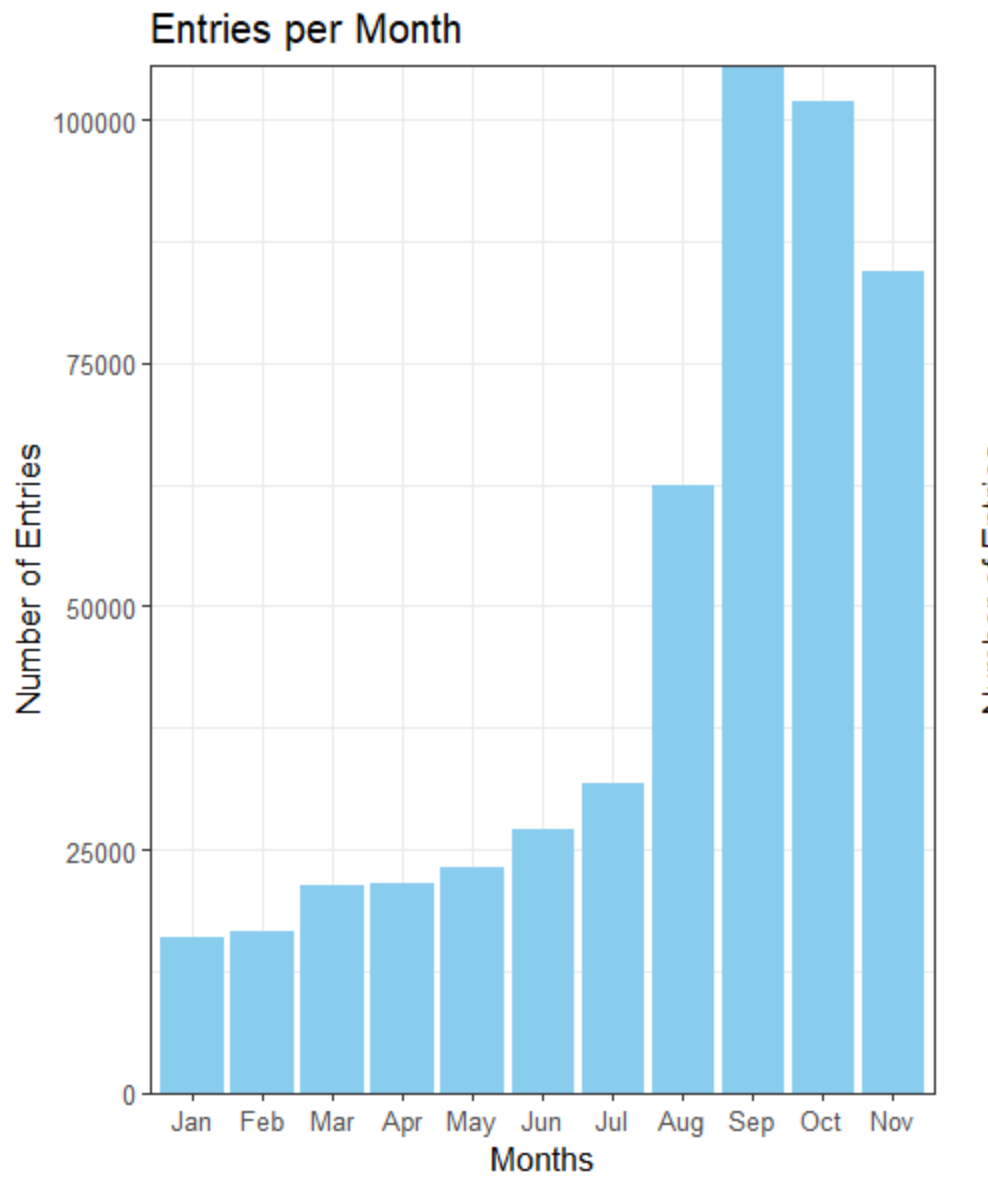
Figure 2: Entries Per Month