

Website: <https://xuanyuwu123.github.io/>

PDF: <https://github.com/XuanyuWu123/DSC106/blob/master/HW2/HW2.pdf>

Source Code: <https://github.com/XuanyuWu123/DSC106/tree/master/HW2>

In my analysis of daily sales and monthly sales data, I tried to find the impact of the Impossible Whopper on our sales by plotting the total monthly sales data. Therefore, I can inspect the trend of our sales before and after the advent of Veggie burgers. In order to make sure that the change of sales was not caused by a single product or a regional event, I plotted the sales data for different regions and products. In the end, these charts show that such drop appears in all regions and products, implying these Veggie burgers as the cause. I did the same thing on daily sales data to find the reason why sales on weekends tend to be less.

Some successes are that I made some interactive charts on the website so that the user can easily choose whichever lines they want to appear in the same chart. I also highlighted the points around the time the Impossible Whopper was introduced to make the chart more illustrative.

There are some pitfalls as well. In order to highlight specific points, I copied and pasted the data into the code to add markers to specific points. In order to make the code more compatible, we need to find a way to load data from csv directly and highlight data we want.