

Through graphing the data given, there were many trends found regarding the sales of hamburgers, fish fillets, and chicken fillets, and the impact that the veggie burger had on their sales. Overall, it was found that throughout all the regions in the United States, hamburgers had the highest sales. Through graphing it on the pie charts, it made more sales than fish fillets and chicken fillets combined. This shows that hamburgers are a huge hit for customers and that the company should continue what it is doing to ensure that its hamburger sales continue to be high.

Another trend that was found was that sales in hamburgers and chicken fillets have high sales towards the weekends in all regions except the Northeast. This increase of sales of hamburgers and chicken fillets starts on Friday and ends on Sunday. Although this high sales trends on the weekend can be reasoned with explanations that people are more likely to eat out with friends and families on the weekends. An interesting finding was that fish fillets had the most different of sales trends. Its biggest sales would be on Fridays, but it would immediate drop on Saturday and continue to stay low until the next Friday. However the Northeast region also performed differently on fish fillet sales, as the highest sales point would be on Thursday instead of Friday. Sales trends on certain days of the week was an interesting find as there were trends that were expected, like increase of sales on weekends, but also other more interesting findings that fish fillets sales would drop low on the weekends after high sales on Fridays.

The impacts of the veggie burger released by Burger King could also be detected in the data too. After totalling the sales of each food and plotting it on line graph through the months, it can be seen a large dip in sales in all three different food at about the same time, around October 2018. Despite the lines' fluctuations throughout the timeline, there is a steady growth in sales from January 2016 to October 2018, right after, there was a sharp decrease in sales. However, after the decline in sales in October, sales for all three food did not bounce back to where it once was.

Link to website:

<https://dsc106mcd.weebly.com/>

Link to PDF:

[https://github.com/JennyLuc/dsc106/blob/master/Homework 2/dsc106mcd-weebly-com-.pdf](https://github.com/JennyLuc/dsc106/blob/master/Homework%202/dsc106mcd-weebly-com-.pdf)

Link to source code:

[https://github.com/JennyLuc/dsc106/blob/master/Homework 2/Untitled.ipynb](https://github.com/JennyLuc/dsc106/blob/master/Homework%202/Untitled.ipynb)