Starbucks & McDonald’s Nutritional Analysis

**Project Proposal**-

Coming up with a good theme to analyze was harder than expected. At first our idea was to determine if there was a relationship between the number of days people vacationing, and people preferring Airbnb over hotels. The idea was very interesting nonetheless it was very difficult to obtain the information from Airbnb.

Then we came up with the idea of using Starbucks, we didn’t know at first what to analyze but later as we looked at data published by Kaggle, we concluded that the nutritional data from Starbucks’ products was very interesting. After obtaining the data from Starbucks, we came up with the idea of adding McDonalds to the analysis.

The idea of this analysis is to show in graphs the nutritional facts of the products of two of the most popular fast food chains.

**Steps-**

1. Finding Data- Extraction of data from Kaggle

<https://www.kaggle.com/starbucks/starbucks-menu/kernels>

<https://www.kaggle.com/mcdonalds/nutrition-facts/activity>

1. Extract Data- We extracted the data as csv files and then we stored it on a directory inside out computer.

“starbucks\_data.cvs”

“mcdonals\_data.csv”

1. Replace “-“ to no data- We saw that the data from Starbucks contained a lot of “-“ . So we had to clean it in order to continue with our analysis.
2. Rename Columns- We had to rename the columns to better distinguish the information when analyzing the data.
3. Standardize McDonald’s Data- We saw that the data from McDonalds was more robust, including more nutritional data than Starbucks. This is why we had to first see if the nutritional data from McDonalds was included in the Starbucks’ data.
4. Delete Columns- Since McDonalds had more nutritional information, he had to delete columns that we weren’t going to use.
5. Rename Columns- McDonald’s column name wasn’t always the same as Starbucks’ column name, so we had to rename the columns from McDonald’s data.
6. Append- After having cleaned the data base, we decided to append both data in order to have a single dataframe. “merged\_df\_r”
7. Export to CSV- We stored the final version as a csv file. “md\_vs\_st.csv”
8. Graphs- With the final data, we decided to add some graphs in order to better understand our data and findings.
9. Save Graphs- We saved our graphs as PNG

Even though only two or three members of the team will send the url for grading the activity, all the following members work together to get this done:  
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