**PROJECT 4 PROPOSAL**

***Calorie Comparison Between McDonald’s and Tim Horton’s Breakfast Items***

**Group Members**

* Eleshia Hall

**Project Description**

* Looking at how many calories are in each breakfast item
  + Comparisons:
    - how many calories are recommended for breakfast/daily by Canada
    - how much each item costs
* Looking at the location of the restaurants in GTA (or maybe just one city)
* Machine learning to see if there is a correlation between number of calories and price

**Technologies**

* Python
* SQL
* Pandas
* Machine Learning
* Tableau
* HTML/CSS/JS

**What I Have**

* Nothing

**What I Need**

* All around
  + Datasets for McDonalds and Tim Hortons
  + Dataset for recommended calorie intake in Canada
  + Locations for McDonalds and Tim Hortons
  + Prices for each item

**Design**

* Data Collection & Clean Up
  + Scraping the Tim Horton’s Website for calories, prices and items
  + Importing McDonald’s CSV file and cleaning up the data for just breakfast items
* Transforming the data
  + Putting data into dataframes and saving the new csv files
  + Adding on the location data & recommended calorie data
  + Saving every dataset into a new csv file
* Creating dashboards
  + Creating Tableau dashboards for the locations
  + Creating Tableau comparisons charts and dropdowns for the calories of breakfast items (incl pricing)
* Machine learning model
  + Create a model that compares the item price to the amount of calories

**Work Breakdown**

Wednesday, July 26th – July 28th : Data Collection and Clean up

Thursday, July 27th : Data Collection and Clean Up

Friday, July 28th : Coding - Tabelau

Saturday, July 29th : Coding - Tableau

Monday, July 31st : Coding – Machine learning

Tuesday, August 1st : Coding – Machine Learning

Wednesday, August 2nd : Final touches and run through/practice