Project Proposal for Group 1

Team Members: Sergyo, Larry, Emely, Matthew, Rebecca

The aim of our project is to uncover patterns in shopping habits. We’ll examine relationships between online shopping volume and weather, categories of items bought and season, gender differences over the course of a year's worth of weather patterns, and other related relationships derived from the data.

We plan to use the following datasets:

<https://datasetsearch.research.google.com/search?src=3&query=amazon%20sales%20dataset&docid=L2cvMTF2MTVkcTU4aA%3D%3D>

<https://openweathermap.org/api>

**openweathermap.org**

[**Weather API - OpenWeatherMap**](https://openweathermap.org/api)

Simple and fast and free weather API from OpenWeatherMap you have access to current weather data, hourly, 5- and 16-day forecasts. Historical weather data for 40 years back for any coordinate. Weather maps, UV Index, air pollution  
and historical data

Rough breakdown of tasks:

Sergyo: Do people shop more online when its raining?

Larry: Do people shop more online when the temperatures are extreme (<20)(>85)

Emily: What season has the highest shopping?

Matthew; Did the season with the most shopping have the most rain?

Rebecca: Did the season with the most shopping have the most extreme temperatures?