**Final Project Proposal**

The purpose of the final project is to:

* give you a chance to research a topic that is of personal interest to you
* allow you to process the data for this project using the Python skills you have developed during the course

This proposal will allow you to begin making plans for your final project. You will probably make some adjustments to this plan as you become more familiar with your project. That’s fine. However, you should still adhere to the overall requirements presented below..

**Part 1: Exploration**

1. What is the specific question or questions you are trying to answer through this data wrangling project?

Understanding the data about Netflix movies and TV shows as of 2019 including what content is available in different countries, most popular genres, composition of TV shows vs movies etc.

1. What data sources will you use to answer these questions (please identify at least two data sources).

Kaggle Dataset: Netflix Movies and TV shows

I was not able to find another data source but the source has been used on many other platforms including DataCamp and referred to in articles on Medium. Originally, the data was released by ‘Flixable’. The source is updated regularly.

1. Please explain why you chose those data sources and how they will help you answer your research questions

My research question is to understand the composition of movies and TV show titles on Netflix. The data source is ‘Kaggle’ and originally comes from ‘Flixable’ which has all the data about Netflix movies and TV shows.

**Part 2: Analysis**

1. Please identify statistical or informational techniques that you will use to process the data. (You must use at least three of the following).
   1. correlation statistics
   2. grouping into categories
   3. simple counts
   4. trends over time
   5. boxplots
   6. normal curve comparison
   7. simple averages comparison
2. Please identify why you are choosing each of those approaches and how they will help you to answer your project questions.
   1. grouping into categories: This technique will help me analyze what contents are available in different countries
   2. simple counts: I can use this to understand the composition of movies and TV shows
   3. simple averages comparison: This will help me compare and understand what the most popular genres are on netflix

**Part 3: Presentation**

1. Please identify the presentation approach you will use (select one):
   1. Creating a Django website
   2. Creating a Powerpoint deck
   3. Creating an Adobe Spark Page
   4. Creating a Jupyter notebook
2. Why did you choose this presentation approach over the others?

Creating a Jupyter notebook is the approach that was shown in the video and seemed very efficient in presenting a report like this. It will also give me more experience with using the approach which will be applicable to my career.