**Project 2**

**World Happiness Index**

**Introduction**

Happiness is a relative state that many are trying to achieve. With no universal formula for happiness, this can be a difficult task. The focus of this study is to compare the World Happiness Index with various factors commonly thought to be related to happiness to determine if there is any correlation. The study will focus on a period of 5 years from 2015-2019. While this has the capability of being expanded to include all 152 countries on the World Happiness Index, we will focus primarily on the top 5 happiest countries.

**Data Summary**

Data sources: Kaggle, The World Bank, Global Innovation Index, UN Data, Numbeo

Links to data:

World Happiness Index: <https://www.kaggle.com/unsdsn/world-happiness>

Birth Rate: <https://data.worldbank.org/indicator/SP.DYN.TFRT.IN>

Global Innovation Index: <https://www.globalinnovationindex.org/analysis-indicator>

Weather: <http://data.un.org/Data.aspx?q=sunshine&d=CLINO&f=ElementCode%3a15>

Crime: <https://www.numbeo.com/crime/rankings_by_country.jsp?title=2015&displayColumn=0>  
<https://www.numbeo.com/crime/rankings_by_country.jsp?title=2016&displayColumn=0>  
<https://www.numbeo.com/crime/rankings_by_country.jsp?title=2017&displayColumn=0>  
<https://www.numbeo.com/crime/rankings_by_country.jsp?title=2018&displayColumn=0>  
<https://www.numbeo.com/crime/rankings_by_country.jsp?title=2019&displayColumn=0>  
<https://www.numbeo.com/crime/rankings_by_country.jsp?title=2020&displayColumn=0>

Format: csv

The World Happiness Index dataset contains 152 rows of countries with 5 columns for corresponding happiness scores in the years 2015-2019. We will also include columns for Birth Rate, Global Innovation Index, Weather (days of sunshine per year) and Crime over the same 5-year period.