**Project 1**

**Project Title:** Happiness Project 1 (temporary)

**Team Members:** Theresa Vaughn, Kathryn Kessler, Sheila LaRoue, Trevor Moore, Nick Leisenring

**Project Description/Outline:** Comparing counties happiness throughout the Covid years. Pre and post information. Creating a forecast from 2015 – 2019 data, then running correlations to the most recent years, including 2021 and 2022.

**Research Questions to Answer:**

1. What are the average happiness scores across the years and in what countries? Happiest, middle and least?
2. What are the main factors that determine the highest levels of happiness?
3. Are people happier in the pre or post Covid years? Why? Why not?
4. Which countries will be the best places to live in the next decade and why? (Will Z. suggestion).
5. \*\*Top 10? places to retire in 2023? Forecasted within the next 10 years? By 2033? \*\*
6. Tie in weather API for retirement places. (TBD later on).

**Datasets to be Used:**

1. Kaggle 2015 – 2019 <https://www.kaggle.com/datasets/unsdsn/world-happiness?resource=download>
2. World Happiness Report 2022: <https://worldhappiness.report/ed/2022/#appendices-and-data>, Data for Figure 2.1.
3. Map of World happiness.

**Rough Breakdown of Tasks:**

1. Theresa Vaughn – Created Repository and links to team.
2. Nick Leisenring – Created the slack team channel: “team-first-timers”
3. Trevor Moore – Found the latest World Happiness report, 2022.
4. Kathryn Kessler – Typing outline for project.
5. Sheila LaRoue – Thinking of our project title.

\*\* Joint effort: coming up with outline, questions, focus for topic.

Next things to do:

1. Downloading data files: Merging and cleaning the data.
2. Figure out what visualizations to use: Line plot for 2015-2019 data. Scatterplot for 2022. (TBD)
   1. For average happiness, bar graphs. (TBD)

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2/6/2023

Deciding to assign the research factors for happiness.

Factors / Categories:

1. ~~Gross Domestic Product (GDP) Per Capita~~. (thrown out)
2. Social Support. (Theresa Vaughn)
3. Healthy life expectancy. (Sheila LeRoue)
4. Freedom to make life choices. (Kathryn Kessler)
5. Generosity. (Nick Leisenring)
6. Perceptions of corruption. (Trevor Moore)

Charts to use: Make a couple, such as scatter plot, bar, line. We will regroup to look over.