

Reference Documents for Case Study Project

Data

J.F. Helliwell, R. Layard, J.D. Sachs, L.B. Akin, J.E. De Neve, & S. Wang, "World Happiness Report 2023 (11th ed.)," *Sustainable Development Solutions Network*, 2023. Available: <https://worldhappiness.report/ed/2023/#appendices-and-data>.

C. Crenshaw, "CaseStudy_DS4002," *GitHub*, Dec. 11, 2023. [Online]. Available: https://github.com/C-Crenshaw/CaseStudy_DS4002.git.

This GitHub repository contains all information necessary to complete the project specifications, including a downloaded copy of the dataset above.

Content Resources

"About | The World Happiness Report." Available: <https://worldhappiness.report/about/>.

The previous resource describes the history and development of the World Happiness Report. This report can be utilized to contextualize the analysis conducted and to explain why happiness should be utilized by governmental organizations.

J.F. Helliwell, R. Layard, J.D. Sachs, L.B. Akin, J.E. De Neve, & S. Wang, "Forward," *Sustainable Development Solutions Network*, Mar. 18, 2022. Available: <https://worldhappiness.report/ed/2022/foreword/>.

This website is linked in the introductory/hook document. Similar to the "About" article above, this source provides further another history of the World Happiness Report for context.

J.F. Helliwell, R. Layard, J.D. Sachs, L.B. Akin, J.E. De Neve, & S. Wang, "World Happiness Report 2023 (11th ed.)," *Sustainable Development Solutions Network*, 2023. Available: <https://worldhappiness.report/ed/2023/#appendices-and-data>.

In addition to providing the foundational data utilized within this project, this source is an extensive documentation of the implications of the World Happiness Report in 2023. More specifically, this report details how income, health, social support, freedom, generosity, and corruption all play strong roles in supporting life evaluations.

Coding Resources

C. Sievert, "Interactive Web-Based Data Visualization with R, Plotly, and Shiny," *plotly-r.com*, Dec. 19, 2019. Available: <https://plotly-r.com/>.

This website highlights how to use the plotly and shiny libraries within the R coding software. These packages can be used to create complex graphic representations of the World Happiness Data. In particular, interactive data visualizations can be constructed to clearly demonstrate a change over time.

Y. Holtz, "Choropleth Map with R and GGPlot2," *The R Graph Gallery*, 2018. Available: <https://r-graph-gallery.com/327-chloropleth-map-from-geojson-with-ggplot2.html>.

This article walks the reader through how to build out a choropleth data visualization map. These visualizations are often the best at demonstrating the differences between multiple entities on one variable of interest.

Note: A physical copy is provided for the red colored documents above.