

6.7 Creating Data Dashboards

World Happiness Report 2015-2019

1. Think of what story you want to tell based on your complete analysis and key findings from this Achievement and create a business case by answering the guidance questions (who, what, when, where, and why) for your scenario.
 - **Who is it for:** General public.
 - **What will it consist of:** The storyboard will provide more information on how the 6 factors affect the happiness scores and how countries scores have changed over the years.
 - **When will it be used:** Independent interest, academic study, or official government research.
 - **Where will it be hosted:** Tableau Public.
 - **Why is it being built:** To communicate how happiness scores have changed over the years and the 6 factors that affect the change.
2. Before creating your storyboard, create a plan for how you want to build it—how many story points it should include, what message each of them is, and what supporting visuals you'll use.
 - **First story point:** Introduction that will display the title World Happiness Report 2015-2019 with a visual, interactive map of the world. The visual will pull readers in and the title tells you what the analysis will further report on.
 - **Second story point:** Exploratory analysis. In this slide, there will be a visual showing the 2015 top 10 scoring countries and how they changed from 2015-2019. I will also include what the world happiness report is and what 6 factors contribute to the happiness score. Last, I will include some questions I asked before starting.
 - **Third story point:** Linear Regression. For visuals, I will include the linear regression plots of how economy affects the happiness score from 2015 and 2019. I will discuss the information we can gather from the plots and what the R2 score is.
 - **Fourth story point:** Cluster analysis. I will discuss the non-linear approach I took to analyze the same variable I did in the linear regression. Visually, I will include the cluster plots from 2015 and 2019 as well.
 - **Fifth story point:** Cluster results. For visuals, I will include bar charts that show the results of the happiness scores and economy clusters for both 2015 and 2019. I will provide further explanation of what the clusters tell us.
 - **Sixth story point:** Final. Visually, I will include two histograms to compare the count of happiness scores from 2015 and 2019. The information I will provide is the hypothesis, limitations, results, and next steps.

Tableau link:

https://public.tableau.com/app/profile/andrea5202/viz/WorldHappinessReport_16889417972760/Story1?publish=yes

