Key to Happiness 😊

Name: **Aashish Sidana**

ID: **300292041**

Course Name: **CSIS 3860 – Data Visualization**

Instructor Name: **Prof. William Tan**

Visualization Tool and Justification:

I am more familiar to Tableau as it is a part of course curriculum. As compared to power BI, tableau works flawlessly, have more options to visualize data and is way smarter than Power BI when it comes to detecting data types, managing/interpreting data. Since, Tableau as a software exist in the market from a long time and is very well known amongst data visualizers as compared to power BI. Although, majority of companies are trying to shift towards power BI environment, but they have been using Tableau as a backup.

Sheet_1_size:

This sheet depicts bigger the size of the circle, higher is their contribution to the world economy. As a conclusion, the management can answer that Asia is the biggest contributor to the World economy. Asia includes India and China as major part of Asia contributing to this share. I have grouped all the countries with their respective regions so one can select the region available on the filter area based on the color legends with their respective values.

Sheet_2_small:

The map highlights the land area with respect to happiness of the regional people. As a management, it could be analyzed that darker the color, smaller is the land and happier the people are. It could also be concluded that when a government is given a lesser area to manage or control, it can do it in the best possible manner making the citizens happy and satisfied. I chose the map over any other visualization tool since we do have the geographical data and one of the dimensions was land in Kilometers, I found map to be the best way visualize the data.

Sheet_3_Bachelor:

The line chart shows the relationship between staying healthy vs marrying age in various countries. The X-axis shows countries/region and y-axis shows indicator age and healthy expectancy life. As a management, it was found that there is a positive relation between staying healthy and marrying age i.e. the later you marry, more is the number of years you live. I have to take two variables on X-axis to compare both the dimensions and have added a trendline to better visualize it into meaningful data.

Sheet_4_American:

In this representation, I have added three variables on Y-axis which are freedom to make life choices, social support and generosity whereas on X-axis, I have added happiness score. This depicts that when North Americans are given freedom of choice, the happiness score increases with constant social support but loses generosity as part of their behavior. The management can easily draw a conclusion that North Americans chose freedom over being caged which is positively related to their happiness.

Dash:

The Dashboard shows all the sheets together and one can filter the data according to their own convenience, so that they can insight through the data and visualize the data.

Bottom-Line:

The story verifies the Bachelor sheet with "Asia" as filtered Region, which visualizes that "Increase in Indicator Age of Marriage also Leads to Healthy Life Expectancy."

Thank-You.

Sincerely,

Aashish Sidana