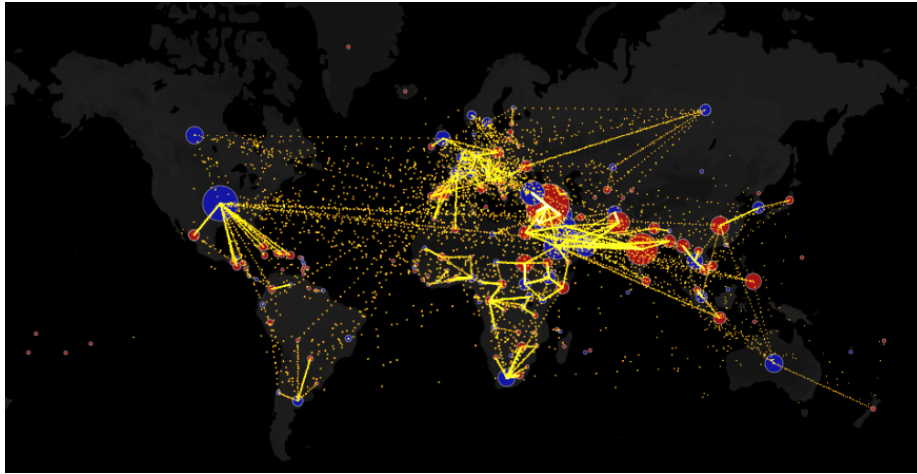


World Happiness Report 2020

Ahmed Aldayel



The purpose of the data visualization capstone project is to give me a chance to combine what you've learned throughout the program. This project will be an important part of my portfolio that will help me to achieve my career goals in data visualization.

so i will be writing a blog to describe how i would improve an existing visualization.

in this project, I will choose a dataset or visualization from **MakeoverMonday** that I believe I can improve by creating a different dashboard/ data story

Finally, I would like to write a blog that includes my reflection on what improvements I made to the existing visualization.

regard to my dataset World Happiness Report 2020:

The World Happiness Report is a landmark survey of the state of global happiness that ranks 156 countries by how happy their citizens perceive themselves to be. The World Happiness Report 2020 for the first time ranks cities around the world by their subjective well-being and digs more deeply into how the social, urban, and natural environments combine to affect our happiness.

how to improve your data visualization design?

1-Clean up and understand your dataset:

Make sure you thoroughly understand the data you're trying to explain, and you have a clean set of data to work with.

2-Know your audience:

Your audience will help determine what elements to use within the visualization, such as text, colors and other effects.

3- Choose the appropriate type of chart.

4. Don't try to pack too much into one chart.

Don't limit yourself to one visualization. If two or more charts illustrate your point better than one — and the information is easier to digest — use them both.

5-. Include the source of the data and link to the original dataset, if possible.

Be critical of and honest about your data source from the start. Know where the data came from, how it was collected.

6- Use the appropriate Colors:

Color is a great tool when used well. When used poorly, it cannot just distract but misdirect the reader. Use it wisely in your data visualization design.

Choice of Data Visualization:

In the first visualization (**Ladder score of the happiest country**) I have used the horizontal bar because it's easier to display and compare and tends to work better in a narrow layout such as mobile view.

in the second visualization(**World happiness countries depend on 5 criteria**), I have used the text table chart because I have data that is too detailed and complicated, so that will affect the display of data if I have put it in another chart.

the last visualization (**Perception of corruption**) doesn't let me see the countries with a high perception of corruption easily so I decided to include a map and providing the details for each country.

My process to create these visualizations:

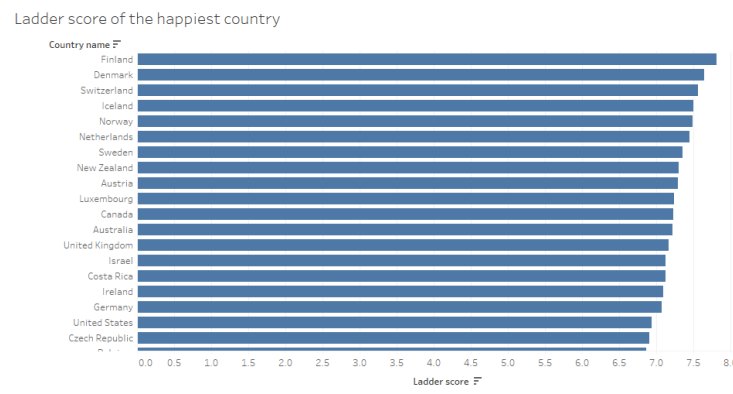
1-download the data set from:

<https://data.world/makeovermonday/2020w19-world-happiness-report-2020>

2-Put this excel file on Tableau.

My screenshots:

In this chart, we can see the ladder score of happiness by world countries, as we can see Finland is ranked first among the happy countries.



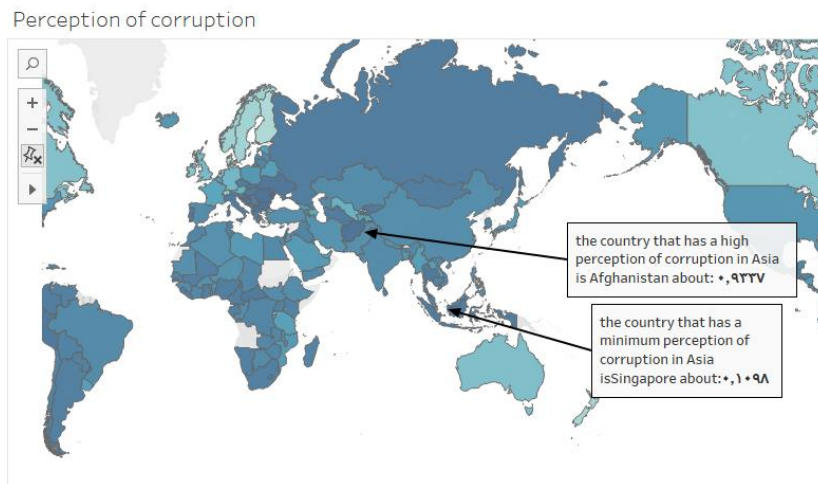
In this chart, we have depended on 5 criteria's: the freedom to make life choices, generosity, healthy life, log GDP per capita, and social support, as we can see Singapore is ranked first among the happy countries in these fields for citizens.

World happiness countries depend on 5 criterias

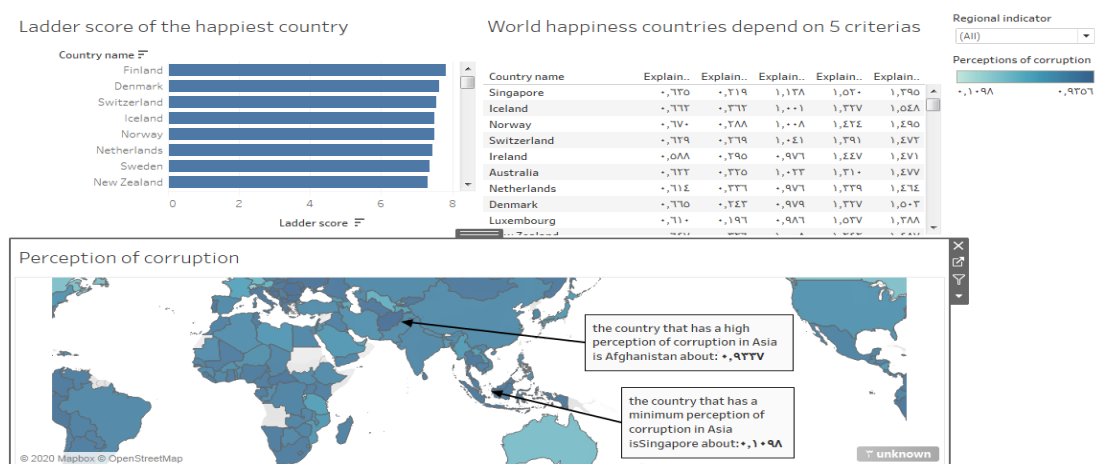
Country name	Explain..	Explain..	Explain..	Explain..	Explain..
Singapore	1.120	1.119	1.128	1.020	1.190
Iceland	1.112	1.112	1.111	1.122	1.028
Norway	1.110	1.188	1.108	1.122	1.190
Switzerland	1.119	1.119	1.111	1.121	1.122
Ireland	1.088	1.190	1.122	1.122	1.122
Australia	1.112	1.120	1.122	1.110	1.122
Netherlands	1.112	1.122	1.122	1.122	1.122
Denmark	1.110	1.122	1.122	1.122	1.122
Luxembourg	1.110	1.122	1.122	1.122	1.122
New Zealand	1.122	1.122	1.122	1.122	1.122
Canada	1.122	1.122	1.122	1.122	1.122
Sweden	1.122	1.122	1.122	1.122	1.122
Malta	1.122	1.122	1.122	1.122	1.122
Austria	1.122	1.122	1.122	1.122	1.122
United Kingdom	1.122	1.122	1.122	1.122	1.122
Finland	1.122	1.122	1.122	1.122	1.122
Hong Kong S.A.R. of China	1.122	1.122	1.122	1.122	1.122
Germany	1.122	1.122	1.122	1.122	1.122
United States	1.122	1.122	1.122	1.122	1.122
United Arab Emirates	1.122	1.122	1.122	1.122	1.122
Slovenia	1.122	1.122	1.122	1.122	1.122
France	1.122	1.122	1.122	1.122	1.122

In this Map, we have concentrated on those countries in the Asia region who have the highest \ lowest number of perception of corruption, as we can see Afghanistan is

ranked first among the countries in the Asia region who has the highest number of perception of corruption and Singapore has the lowest number of perception of corruption.



Here is Dashboard:



Data limitations and biases (collection, processing and insights):

the data set doesn't give me adequate data for some countries in the world like for example Syria doesn't have any data from all criteria.

Below the link to my project in Tableau:

https://public.tableau.com/profile/ahmed.aldayel#!/vizhome/WorldHappinessReport2020_16074737362420/Story1