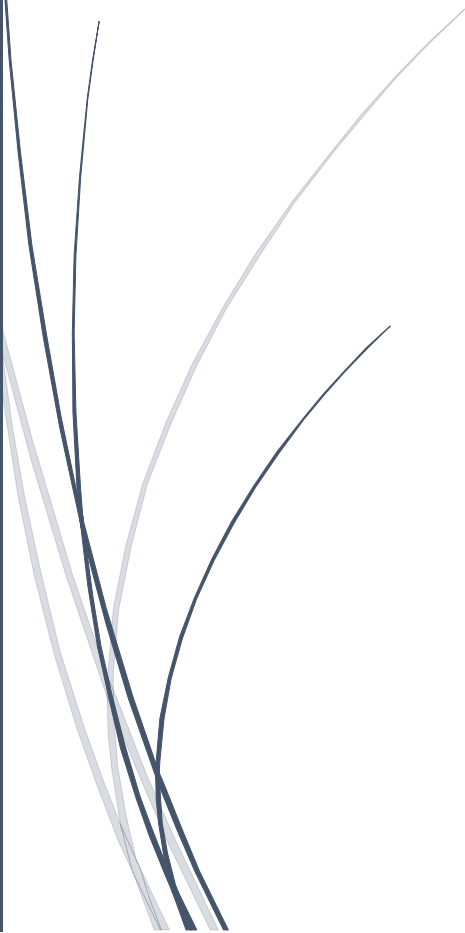


A dark blue vertical bar runs down the left side of the page. A blue arrow points to the right from this bar, containing the date.

4/29/2021

Data Analysis and Visualization (ACCA4002)

Assignment 1 Task 1

Several thin, curved lines in shades of blue and grey sweep upwards from the bottom left corner of the page.

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Lecturer: Dr Anupam Mazumdar

For starters, the infographic is an image presentation of data. The information on this infographic contains names of countries, the date of the weekly cases, percentage of rising and falling of the disease.

It clearly shows the increase and decrease of COVID-19 cases in countries all around the world.

The text is readable and the names on the countries have a white printed font which stands out great on the dark theme. Also, the bright colors that are used to indicate the line that determines the percentage of the average change in weekly cases where Corona Virus is rising and falling.

Overall, the infographic has good features which are clearly shown and well presented.

One of the good features is that the chart shows us the data in colors.

The countries are separated by colors: dark blue, blue, red, orange and yellow.

Dark blue represents the ones with a small percentage in the weekly decrease cases like Peru, Zambia, India, Ethiopia, Brazil and Columbia.

The blue color presents the countries with a great impact on decreasing the Covid cases like Venezuela and especially Israel where the disease is decreasing with an almost 10% weekly rate.

The other 3 colors present the countries with an increase of the disease.

Yellow are the ones with a small but fair percentage of increase in weekly cases. Algeria, USA, Marroco, Hungary, Greece and Romania are with a percentage between 2% and 4% and are all amongst them.

Germany, Italy, France, Poland, Haiti, Cuba, Belgium, Portugal, Switzerland and my home country Bulgaria are all facing a serious increase in pandemic cases, they are just the opposite of Venezuela. With a rate between 8% to 10% and up to 12% in some of them, they are with a severe increase in the spread of the disease and are marked in **Orange**.

The countries marked in **Red** have the highest increase in the weekly cases of the spread of the COVID-19, Switzerland and El Salvador are above 12 % and Azerbaijan has the highest rate since the start of the worldwide COVID-19 pandemic with over 15%.

I personally think the graphs are easy to read and that most of the requirements for making an infographic are used.

Although I don't think that the style of the represented infographic is inappropriate for this purpose, a geographical infographic style showing the percentages inside the county's borders would be more appropriate for the message this poster is trying to send.

However, there are shown graphics that don't contain information, that cause confusion in trying to find the right that we are looking for. In some cases, if someone is using that for serious things and it makes this kind of confusion can be very bad and could cause harm.

The lines that indicate no data confuse the ones that indicate data and may cause mistakes, they also cause a viewing overload there are too many lines. When trying to visualize the data it is hard to mentally model it because of the unnecessary lines.

There can be made some changes, in addition to the infographic there can be added a part for the colors to be recognized as data, followed by:

Dark blue - for highest decrease

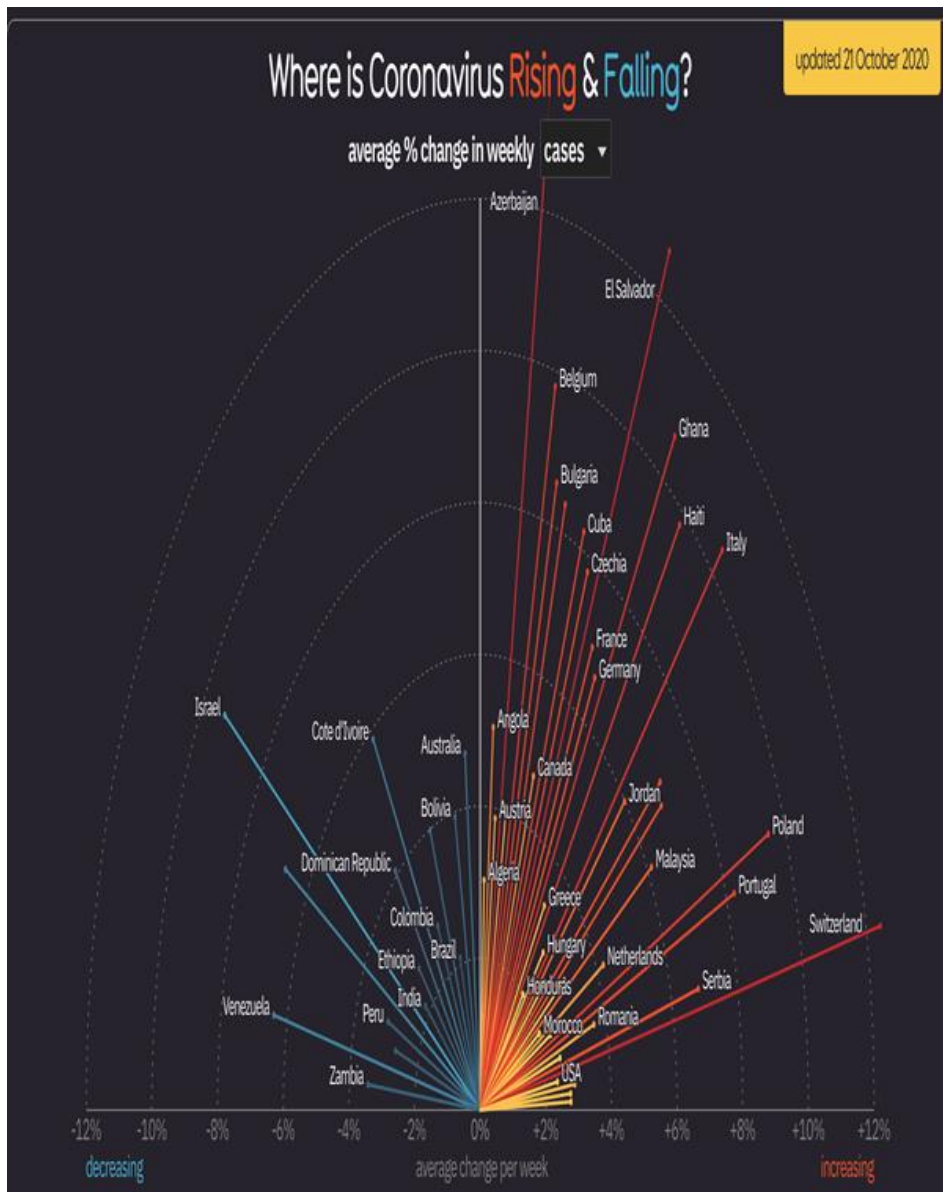
Blue – for lowest decrease

Yellow – for lowest increase

Orange – for medium increase

Red – for highest increase

This way the unneeded lines can be processed as an example and a tip for the already processed data shown.



Highest
Decrease

Lowest
Decrease

Lowest
Increase

Medium
Increase

Highest
Increase

