



Faculty of Computing and Informatics (FCI)

Multimedia University

Cyberjaya

TDS 3401 – Assignment 2

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Title: Covid-19 Cases

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Tutorial Section: TT4V

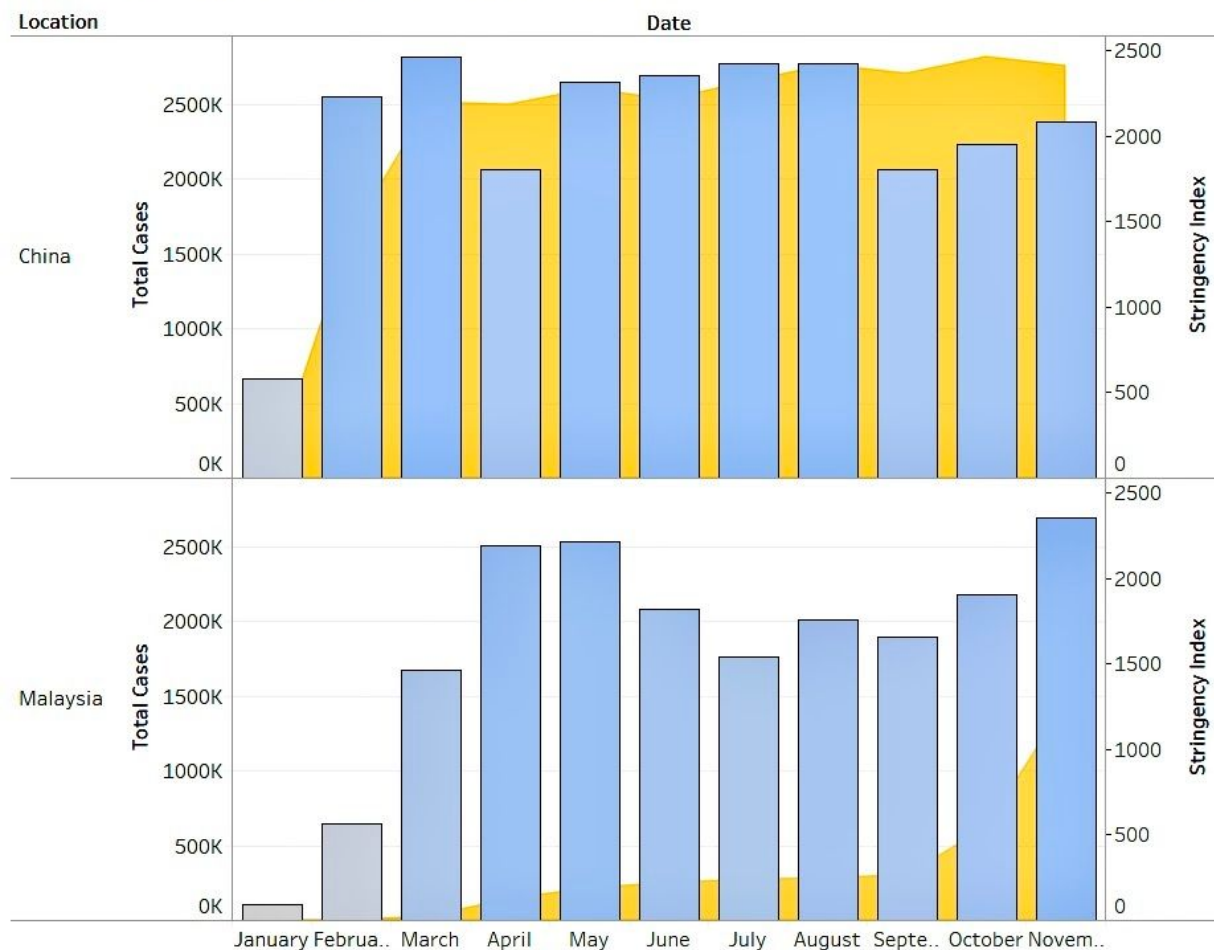
Submitted To: Madam Noramiza Binti Hashim

1. Briefly describe the data set you worked with (limit 50 words).

The dataset that our group has worked on visualizing the features of Covid-19 cases such as the total number of cases, deaths, discharges in each state of Malaysia, Malaysia and worldwide. The worldwide data consists of more features for instance, stringency index, population and many more.

2. Choose the summary visualization which was most interesting or insightful. Paste it in your document. State why you think it is most interesting and insightful.

The Battle against China vs Malaysia 🌐



The visualization shows the battle against China and Malaysia.

The most interesting part of this visualization is in China during the first breakout worldwide. During Chinese New Year, we could see that the bar bulges from January to February until March. Unfortunately, the area from the graph which represents the stringency index is increasing constantly, which indicates that the government of China started to control their citizens after the rise of cases. Therefore, the cases in April for China are more optimistic compared to the previous months. For the subsequent months, although the cases are increasing, it is still under control by the stringency index which we could see that most of the bar is under or the same as the area graph.

On the other hand, Malaysia started to bulge from March until May, but the stringency index was not the same compared to China. As we could see that the bar was not under the area graph means that the controls of Malaysia are having a big difference compared to China although the area of China is bigger than us, the population is higher than us, but the citizens of China are still under control by their government.

3. Describe the trend, pattern, or relationship you found within your data. How is it shown with your visualization? (50 - 100 words)

The trend that we have observed from this visualization is the total cases between the two countries (Malaysia and China) from January to November 2020. Starting from January to February, China's number of total cases spikes up to more than 2500K in just one month. It can be observed that China has tried to reduce the number of cases throughout the months. Malaysia total cases show an up and down trend throughout January to November but from the visualization, the total of cases for Malaysia exceeds the total cases of China in November.

4. Come up with a possible story or explanation for the trend you described. Make sure to note any assumptions you are making in this interpretation of the data. (100-150 words).

In April and November, Malaysia's cumulative coronavirus infections have topped China, believed to be the origin of the novel coronavirus. The coronavirus infection has risen in Malaysia starting from March due to an event called Tablighi Jamaat at Masjid Jamek Sri Petaling. Next, Malaysia had a movement control order from May to June and that is why the cases stopped rising whereas, there is an outbreak starting from September due to the cluster at Sabah's Election, and few prisons were infected with coronavirus located at Taiping and Penang.

China hit a coronavirus milestone in March, it was declared that the spread of disease has influxed arriving from other countries. Due to the outbreak, travellers had to go through quarantine facilities for 14 days, although they had previously been allowed to undergo mandatory isolation at home. In September, China had fewer cases because of their strong medical treatments that could reduce the growth of cases.