

Investigative questions

Question 1: Is there any connection between the unemployment rate change and the pandemic? Is the Covid pandemic influencing global countries' unemployment rates at various degrees with different average income levels?

Explanation: Since we have seen some news, the pandemic has significantly affected global economics. Also, we have learned that the unemployment rate could show the economic situation of the pandemic. Then from the beginning of the project, we want to explore whether there exists any connection between the unemployment rate change and the pandemic. After this, we want to know how Covid-19 has inflected the countries with different average income levels.

Question 2: What other elements affect countries inflected by the pandemic? Among these elements and the income level, which can help us better determine the influence degree under the pandemic?

Explanation: Since we have some results from question one, there are more elements affecting countries. Then in question 2, we will discover more about what other factors affect countries inflected by the pandemic, such as HDI and the medical level. Then we want to compare these elements and the economic level to find which part could help us determine the pandemic's inflected degree.

Question 3: Will the countries with high covid cases affect their neighboring countries' unemployment rate?

Explanation: Since we have known the country's income could inflect the Covid cases from the previous question. We know from the economic course and research that the country's economy has a certain degree of influence from the lands near it. Then in this question, we want to explore more about it. We modified the question "How is COVID-19 affecting countries on various continents and sub-regions?" from phase 1. We chose this question because our previous question is too general. For each region, we are now interested in how the highest covid country from each region impacts that region's economy. We hypothesize that the highest covid country for each area will impact its neighboringcountry's unemployment rate. For example, the US has a very high covid case count. Therefore,, it is affecting the economy of North America.