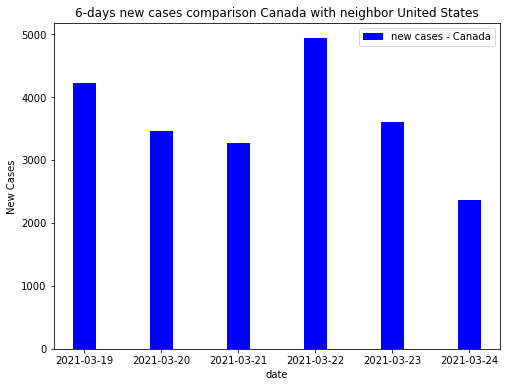
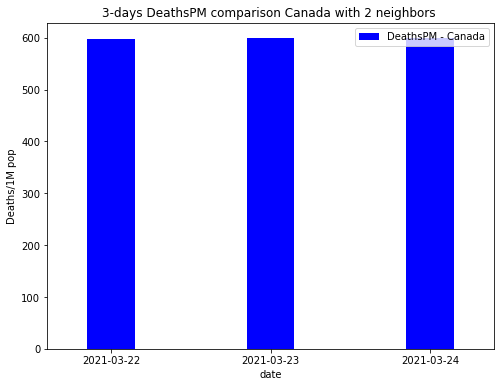
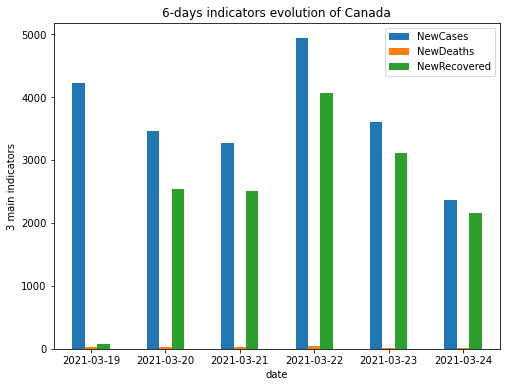
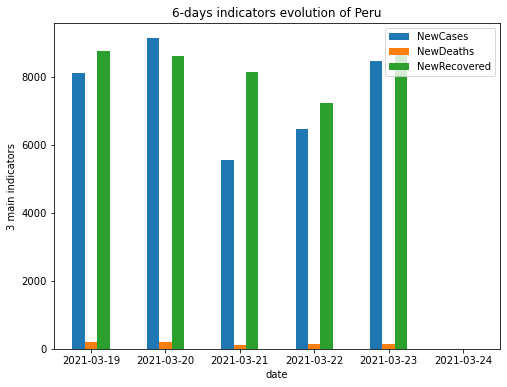
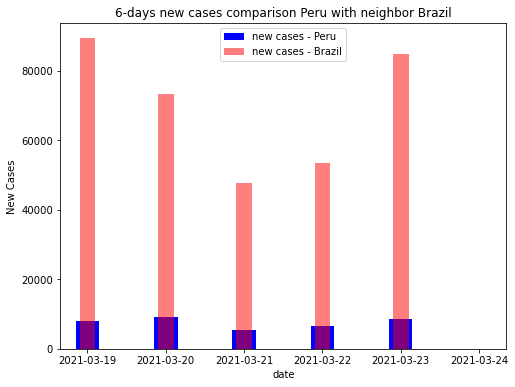
David Pizzolongo and Yassine Ibhir Mar. 30, 2021

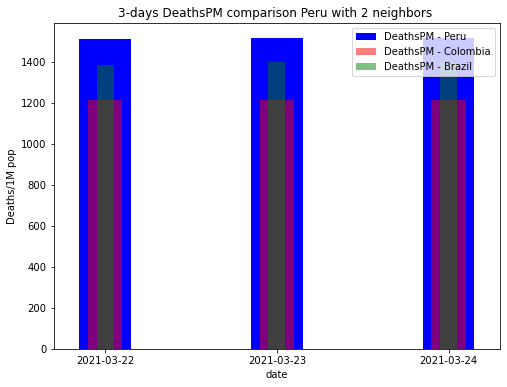
Project 1 Report

 Diagrams (without neighbours):

In the first bar chart results, the statistics show that Canada’s coronavirus situation is unstable, with peaks on March 19 and March 22. For the majority of the days, there is almost the same number of new cases as the new recovered cases, demonstrating that the spread of the virus is still visible and if it continues, there will be a constant flow of people becoming ill and very little progress will be made. However, recently, we have been heading in the right direction, with under 4000 new cases in the last three days and low rates of mortality. The clear and visual graph allows the user to draw similar conclusions and be able to view a large amount of information in one image. This example displays a result without country borders.

 Diagrams (with neighbours):





In this example, Peru has more recovered cases than new cases, which is a positive sign. Compared to Brazil, the quantity of new cases is significantly lower than their neighbor (who averages around 65 000 cases per day), which is also an encouraging statement. In juxtaposition with their two most distanced neighbors, Peru’s deaths per million is consistently elevated, but still remains separated from its neighboring countries by at least 200 deaths per million.

This detailed analysis was very interesting and thought-provoking since the spread of the disease still remains dominant in both developed and underdeveloped countries. In the case of Peru and Colombia, we don’t hear much of these South American countries, with the exception of Brazil, whose state is very worrying. Despite being close to each other, they all adapted to the pandemic on different levels, and it shows what degree of power and influence a government can have on its people.

Other remarks:

At the beginning, we encountered some difficulties in merging our code, as we were using separate branches and working with different code. Therefore, we decided that it would be better to work together, synchronously on various parts of the project (database, scraping, file io, cleaning data and data science), and to use our personal branches for code that is not completely implemented or tested. We found this method very efficient.