

Data Visualization and Communication

1st Assignment

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This report is one of the two deliverables which I provide as solution for the 1st Assignment for the course of Data Visualization and Communication for the MSc in Data Science at Athens University of Economics and Business.

Data

- The data refer to the daily number of reported cases and deaths from COVID-19 per country.
- Downloaded from [here](#).
- From 31/12/2019 until 21/11/2020.

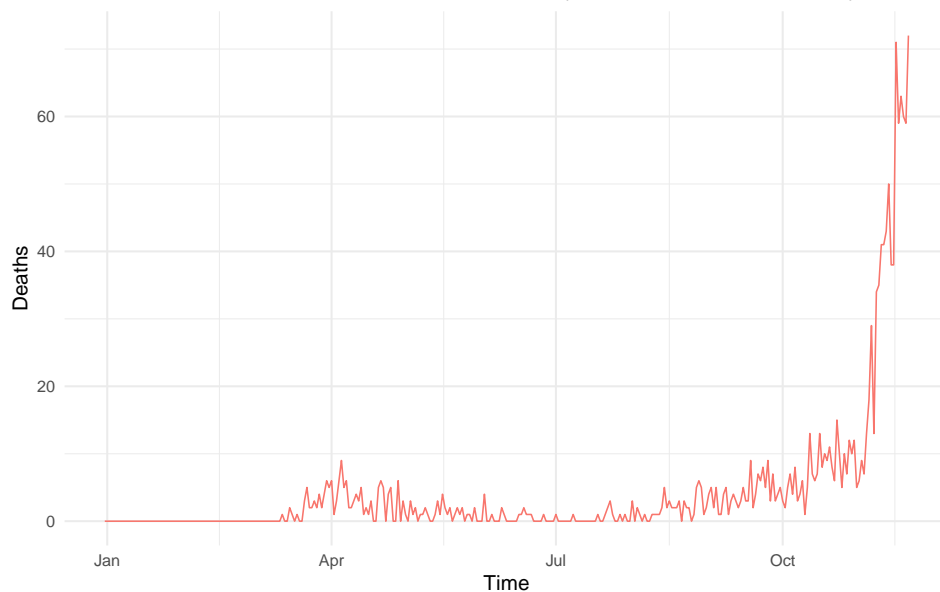
Graphs

Situation in Greece



In the figure 1, we can noticed that there is minor increase in cases at April and a sharp increase the last two months.

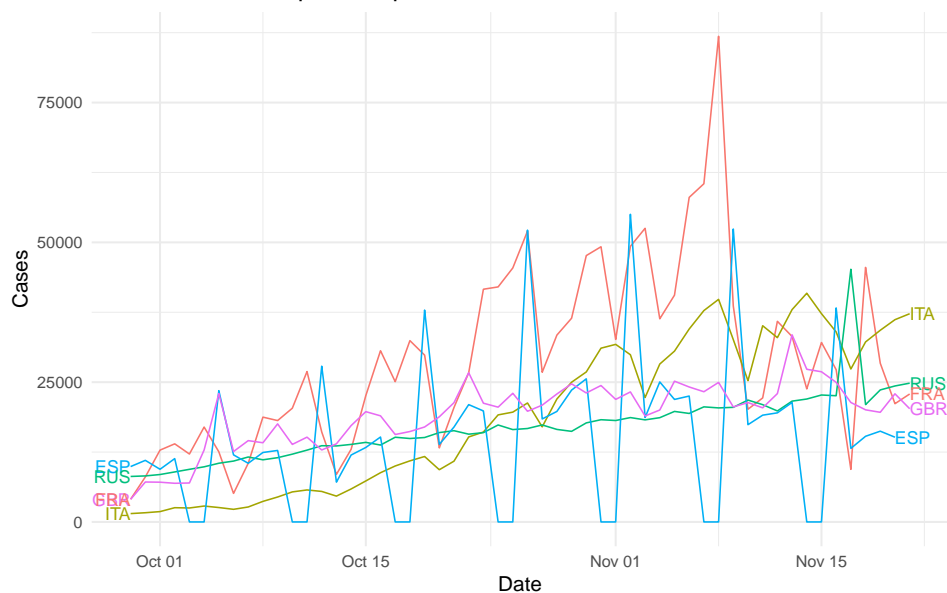
Figure 2: Deaths over time in Greece
Deaths from COVID-19 over time in Greece (31/12/2019 – 21/11/2020)



In the second figure, we can noticed that there is a simiral trend in the number of deaths.

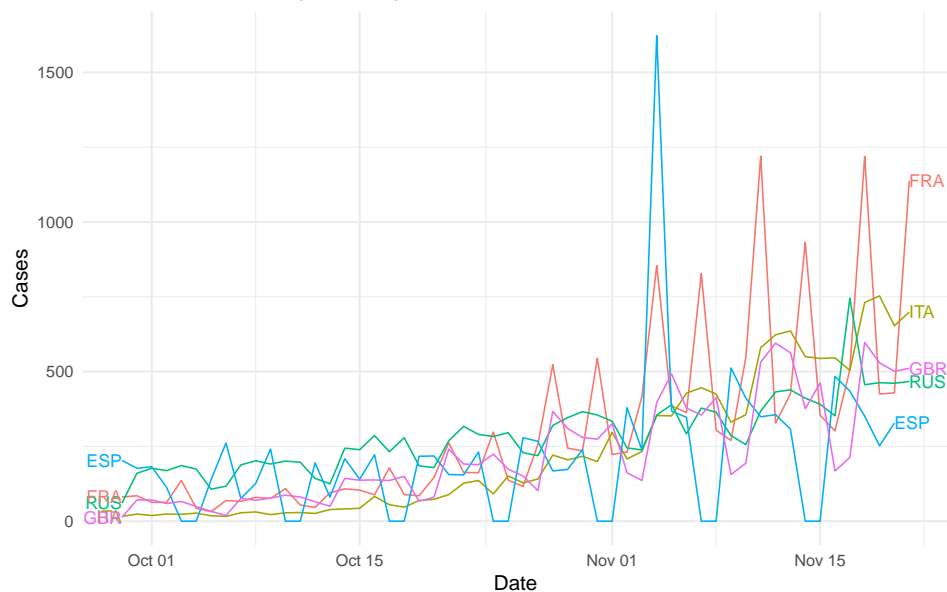
Situation in Europe

Figure 3: Cases of the top 5 countries in Europe the last two months
Recent cases in top 5 European Countries



From the third chart, we can see that Italy, Russia, France, United Kingdom and Spain are the countries with the most cases in Europe. In addition, Spain doesn't give data in weekends.

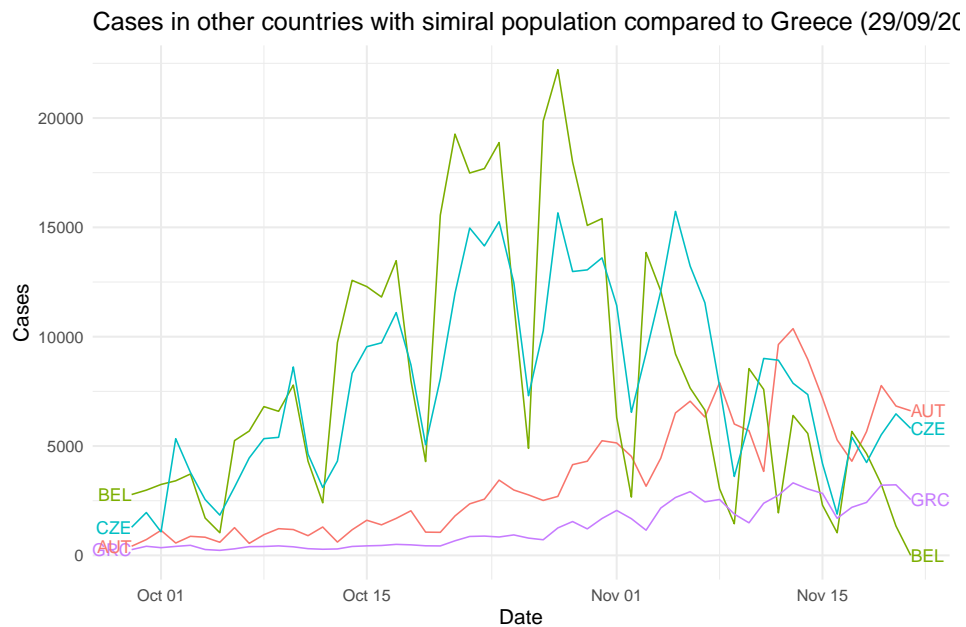
Figure 4: Deaths of the top 5 countries in Europe the last two months
Recent deaths in top 5 European Countries



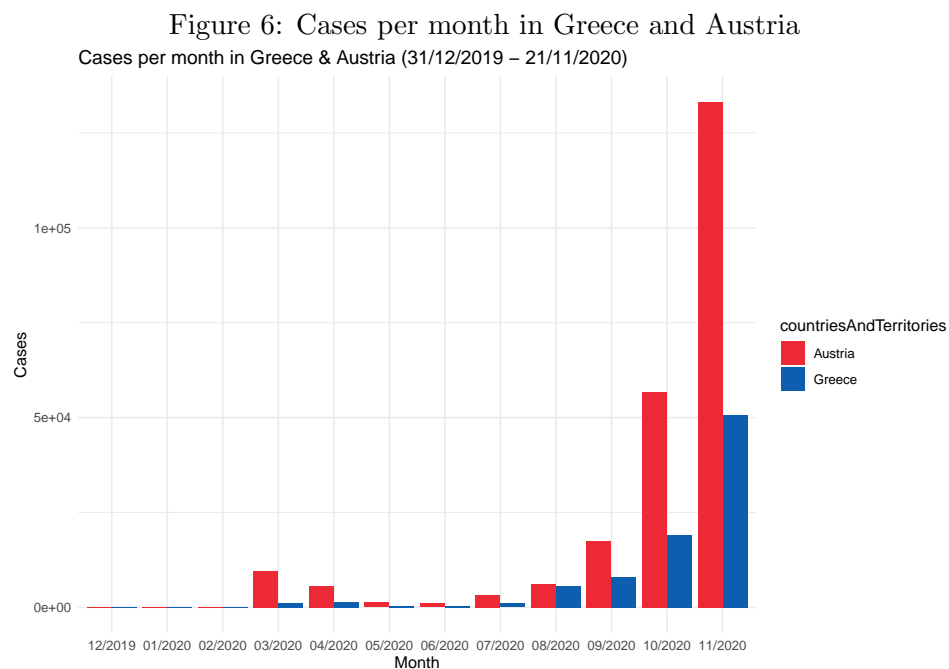
The same countries depicted from the figure 4 with Franch has the first place in deaths. Fortunately, Greece doesn't belong to these lists.

Situation in other countries compared to Greece

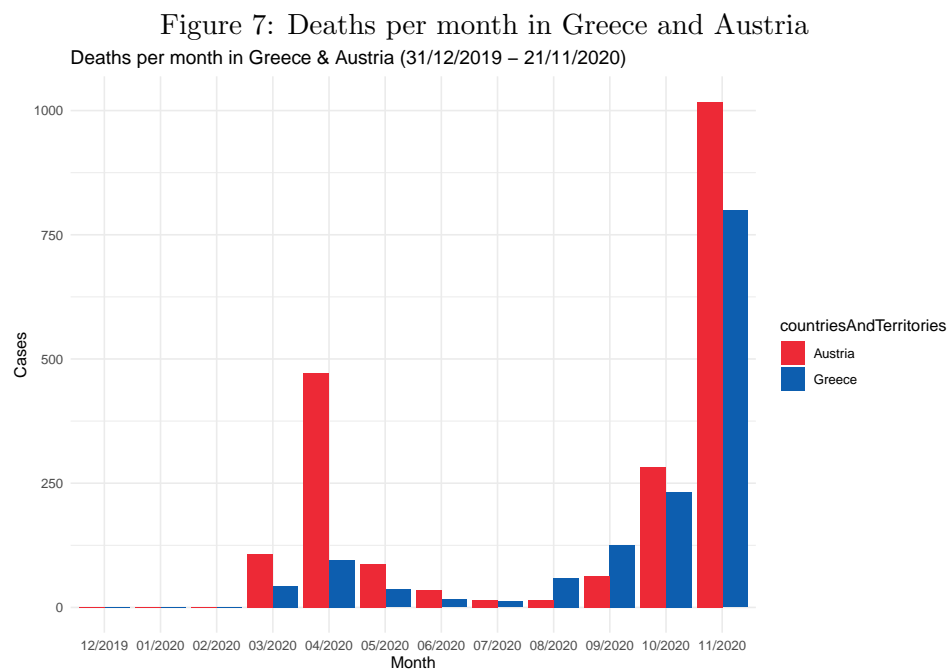
Figure 5: Cases in countries with similar population (29/9/2020 - 21/11/2020)



In figure 5, we can see the cases in other countries, with similar population with Greece, the last two months. It can be easily noticed that the spread of the virus in Greece is much smaller.

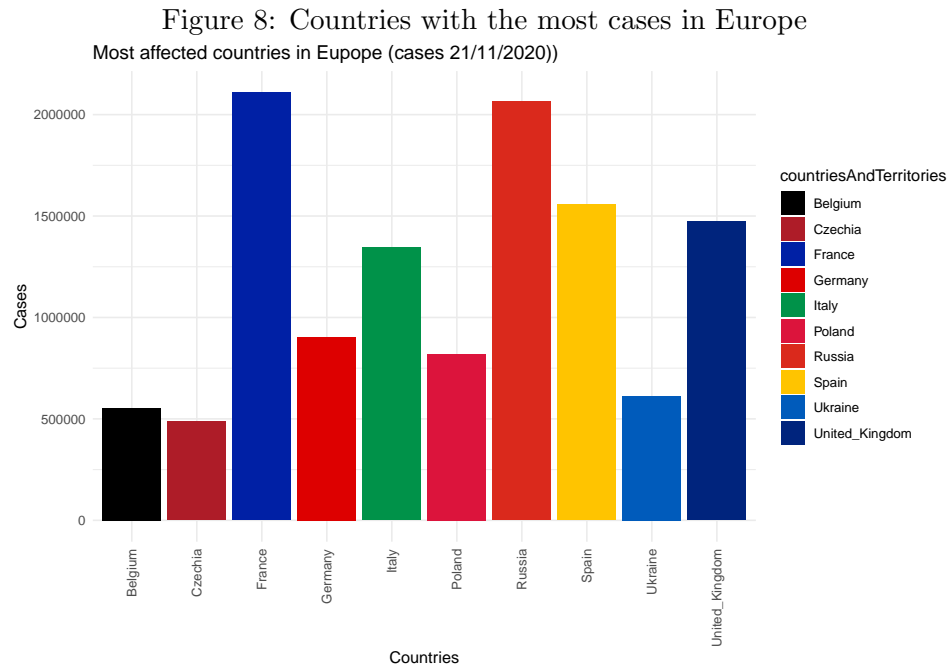


From figure 6, we can compare the number of cases per month in Greece and Austria. Throughout the pandemic the cases are much smaller in Greece compared to Austria even though they have similar population.

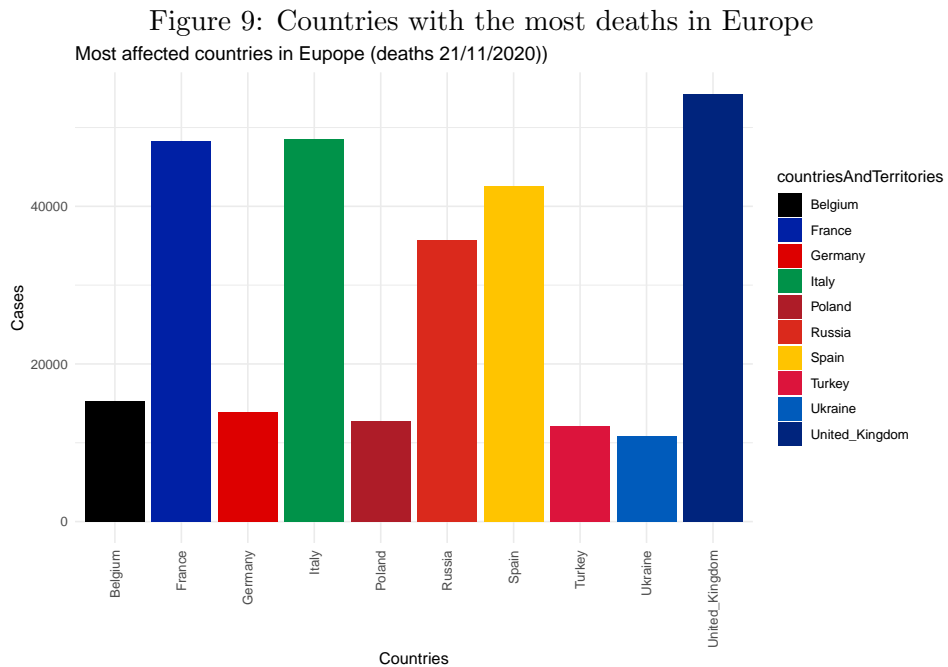


The same situation as before can be seen from deaths per month except from August and September where Greece has more deaths from Austria.

Most affected countries in Europe

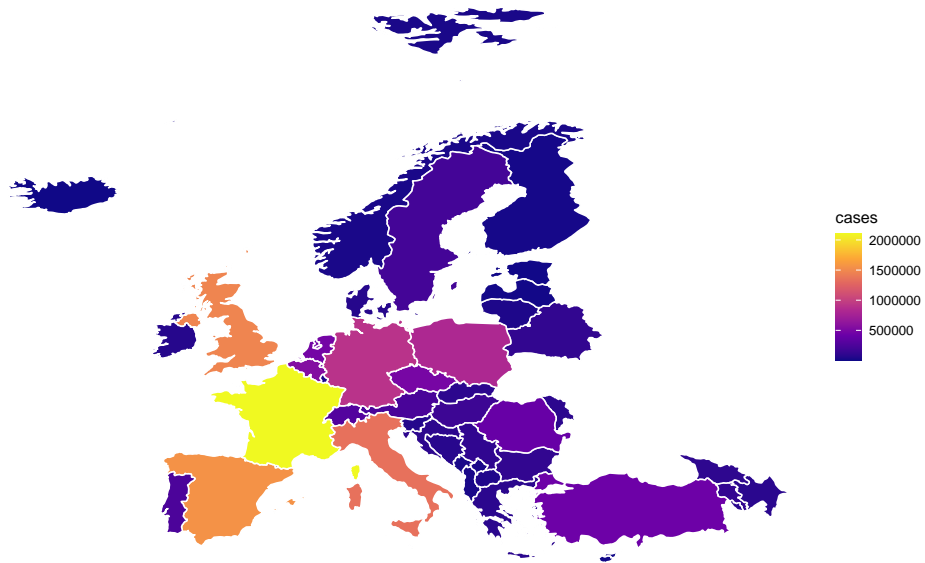


In figure 8, we can notice that France and Russia are the most affected countries in Europe in terms of cases.



In figure 9, we can notice that United Kingdom, France and Italy are the most affected countries in Europe in terms of deaths. Again, Greece doesn't belong to these lists (figure 8 and 9).

Figure 10: Map with all cases (31/12/2019 - 21/11/2020)
Total cases in Europe (21/11/2020)



Last but not least, we can see total cases in all european countries. We conclude that Greece belongs to a group of countries with a small number of cases.