

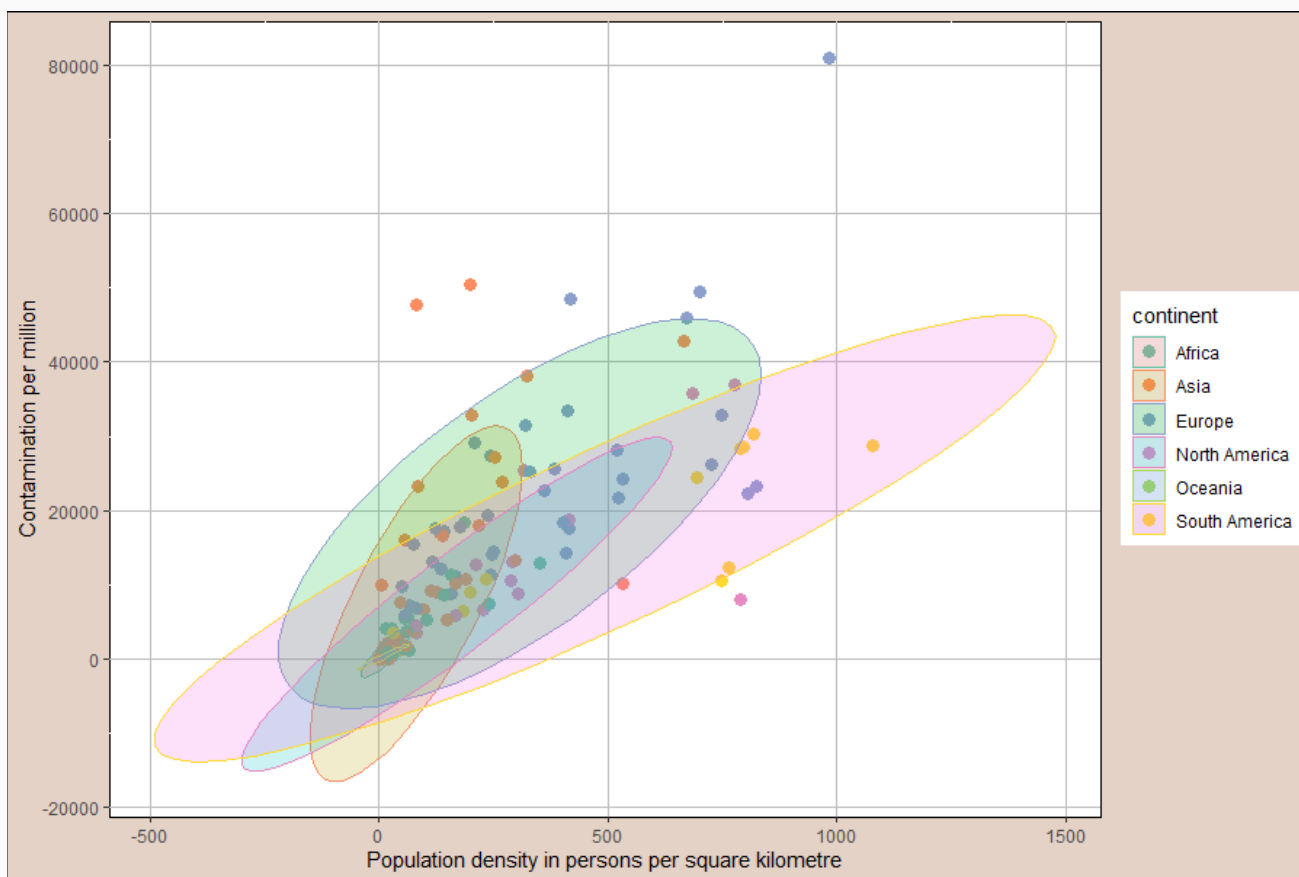
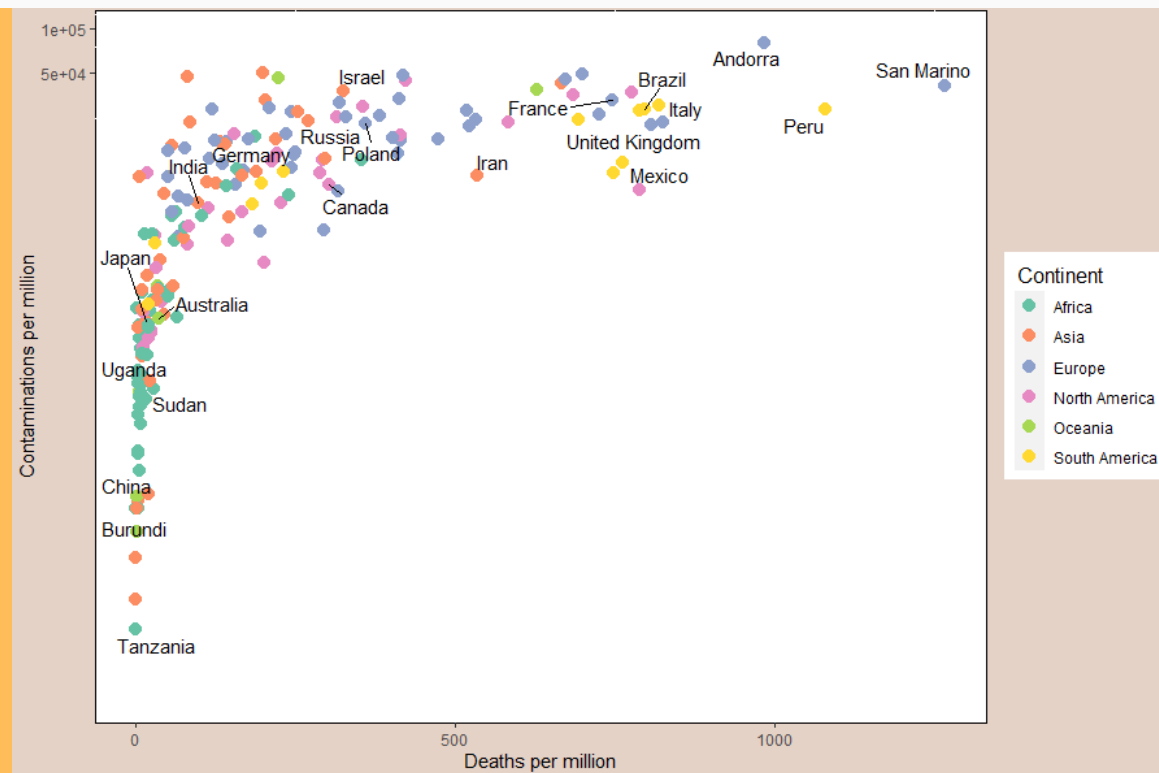
# HOW CERTAIN COUNTRIES ARE DOING AGAINST THE PANDEMIC

## Death rate among the countries

The First chart shows how many cases and deaths were recorded in every country from the beginning of pandemics. Dot colour indicates country's continent

As we can see on the right-hand side, there are two minor countries (San Marino and Andorra) where a number of deaths was low but since a population of these countries is small, we receive high, but error-prone mortality index.

Peru has one of the worst healthcare system in South America. There are no doctors and equipment. Additionally, there wasn't enough oxygen for patients. Going back to left we see a group of countries that didn't have a strict lockdown from the very beginning of the government was against the fact of existing the virus.

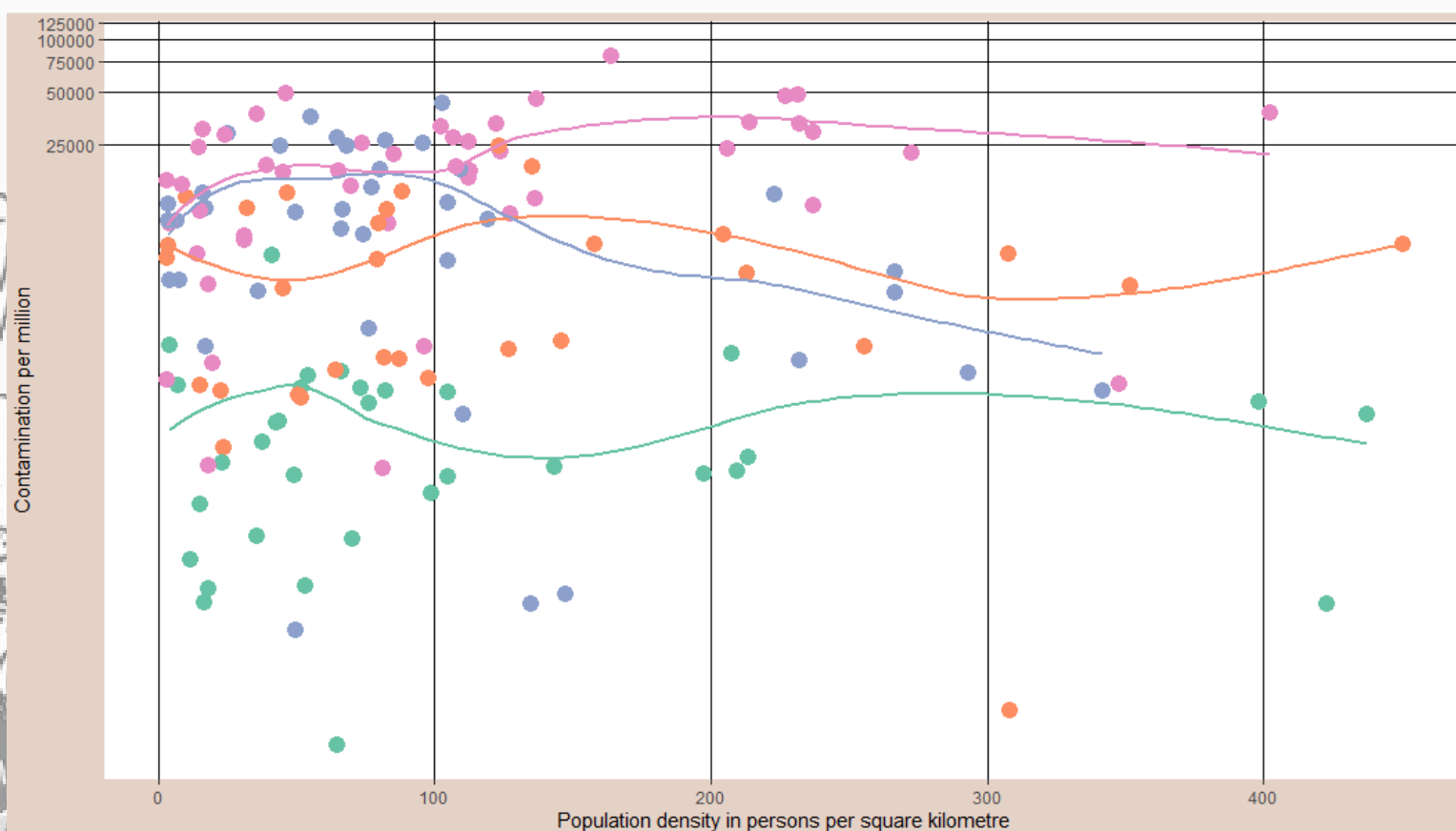
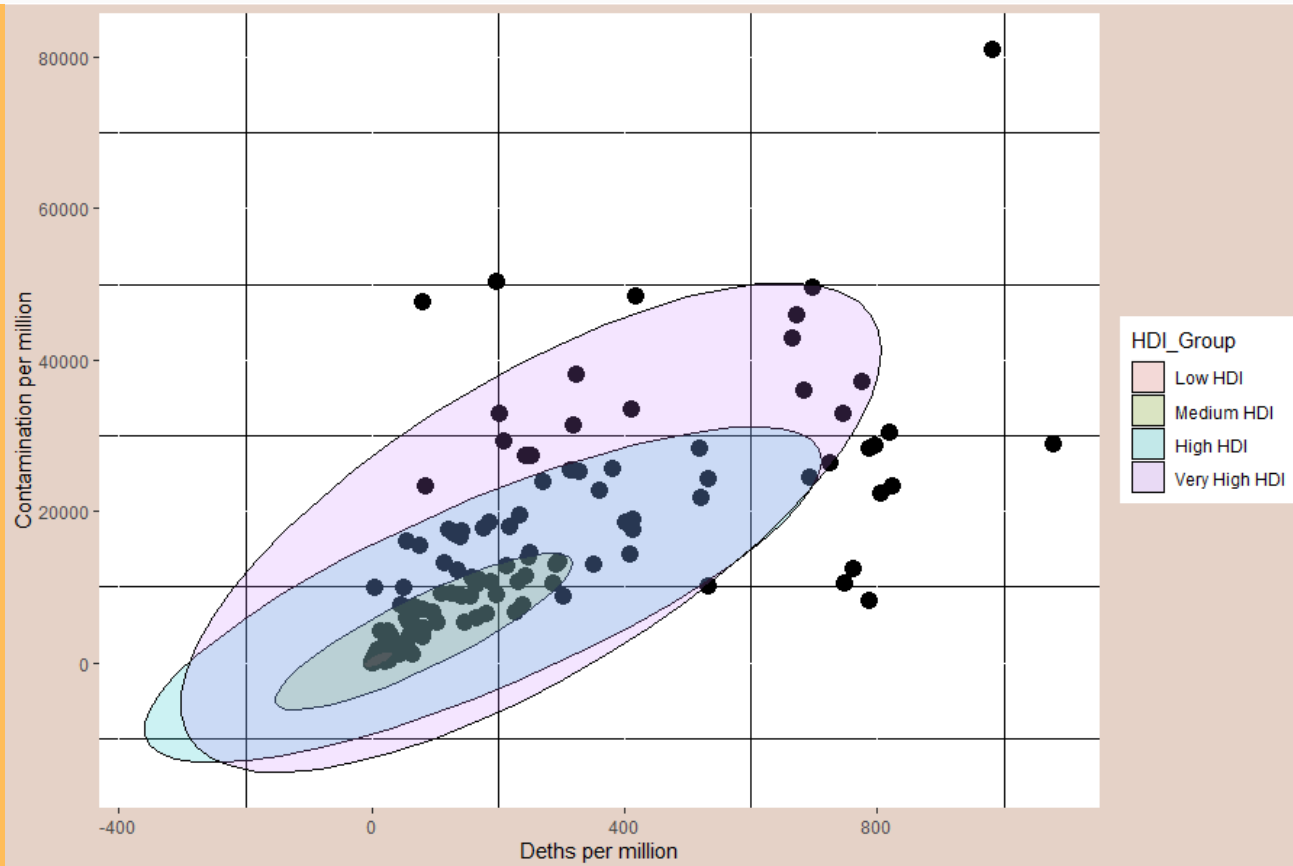


## Covid vs continents

On the second chart we can once again examine how pandemics enrolled in every country. This time, colour areas indicates the continent's tendency to cope with virus. From this graph, we may deduce that South America and Europe were continents, in which pandemics evolved to the greatest extent, whereas in Asia and in Africa the virus didn't cause this many damages, compared with other continents. It is clearly seen that the area that is occupied by the southern continents of our planet is lower, compared with these on the north. It means that the situation in Europe was to much more extent more severe and unpredictable, meanwhile in Africa and Asia the death rate was on the same level throughout the continents.

## Covid vs wealth

On this chart, we divided countries into four categories based on Human Development Index. We can see that the number of deaths and recorded cases is higher in highly developed countries and smaller in undeveloped ones. These observations stem from the fact that poor countries cannot afford to test their citizens massively and fail to estimate COVID-19 Death accurately. The observation follows the south/north scheme, where the northern countries are on average more developed than the southern ones. The countries belonging to the Very High HDI group were the most likely to be in the top right corner of our chart, signifying that they coped in the worst manner with the virus.



## Population density and Covid

The Last graph focuses on the dynamic of the countries belonging to the certain HDI groups and the density of population. Even though some countries had lower amounts of deaths per million habitants, a particular trend can be observed for all the groups that resembles a sinusoidal function. It seems that after surpassing about 130 people per square kilometre of density, the contamination rate and the lethality of the virus have been observed to drop, marking that the virus was reaching its supply rate, typical to the logistic growth rate.