

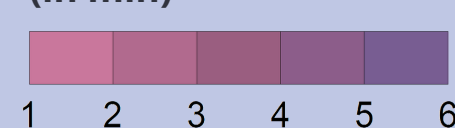
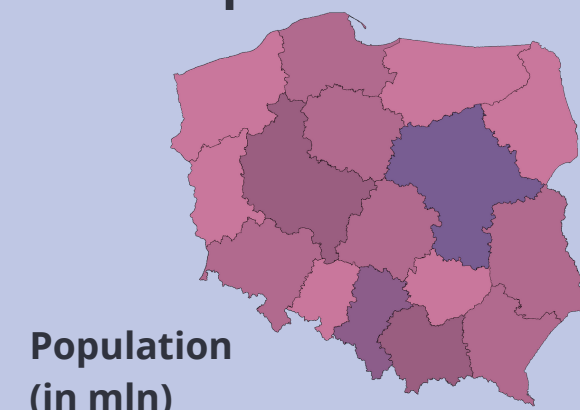
A glimpse of COVID-19 in Poland

Introduction

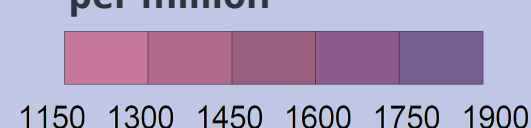
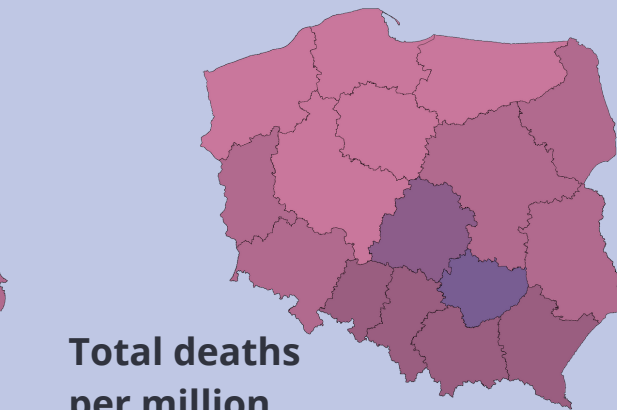
In October 2020 Poland was hit by second wave of COVID-19. You may have heard about the daily deaths statistics for the whole country, but have you ever wondered how well each voivodeship did compared to others?

This poster presents exactly what you were looking for - comparison of all regions of Poland focused on COVID-19. Maps below should give you a general idea of where most people live and die, whereas the rest of the plots are more detailed.

Population

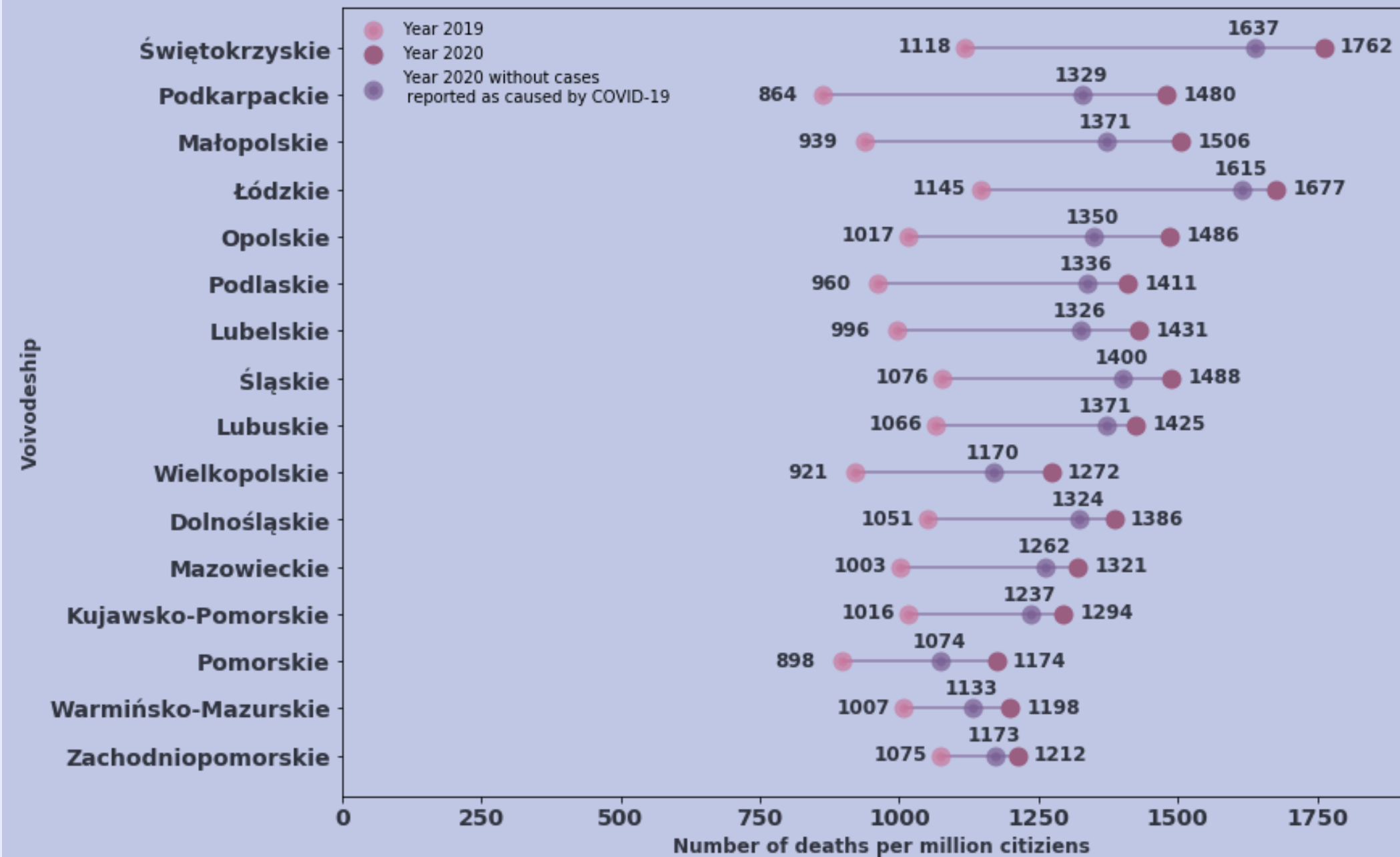


Total deaths in 2020



Data which was gathered to make all visualizations is publicly available online. Sources and authors can be found at the bottom of the poster.

Number of deaths in October 2020 compared with number of deaths not reported as caused by COVID-19, and with number of deaths in 2019



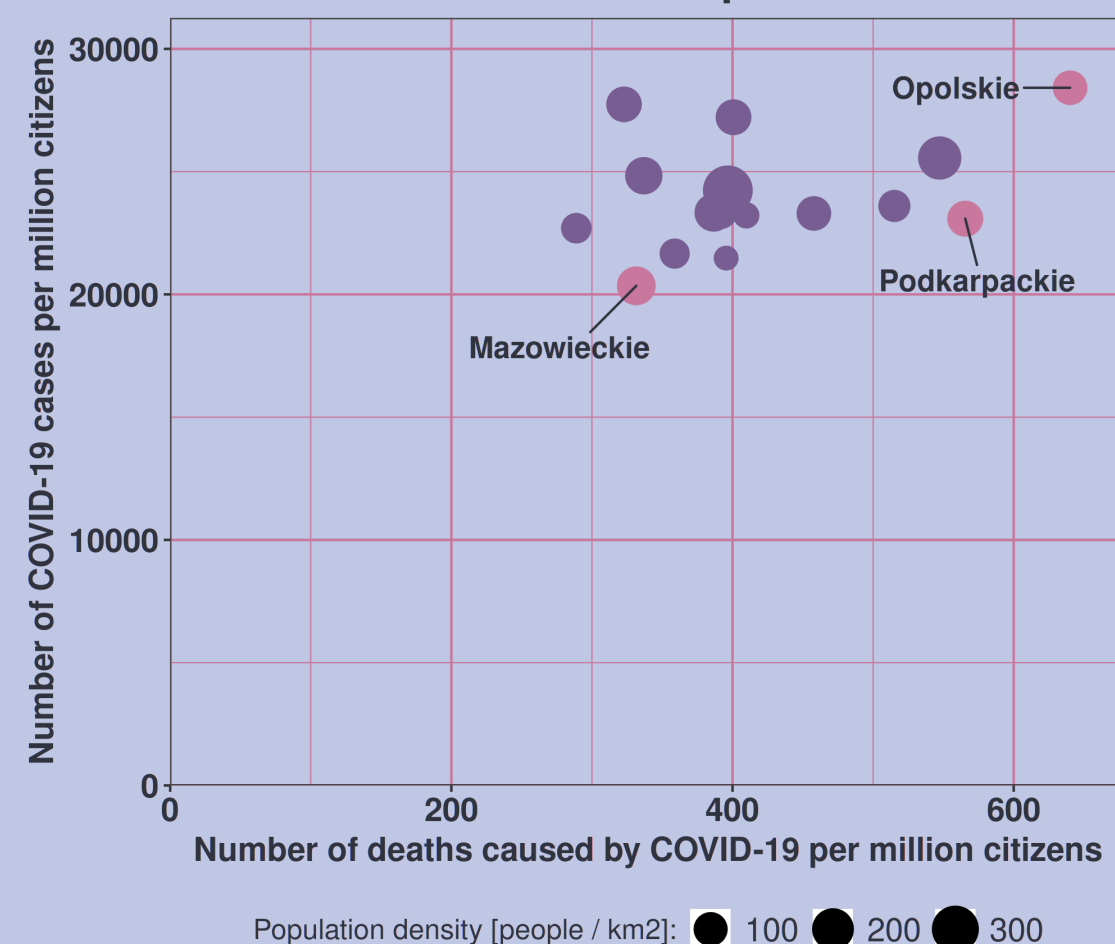
Number of deaths

In this diagram we can easily compare the number of deaths in current and previous year. Unlike the other charts, this one distinguishes deaths reported as caused by COVID-19.

What's interesting - even without COVID-19 cases, the numbers are much higher this year.

There can be only one explanation: many cases and deaths associated with COVID-19 are not reported and the virus is spreading much more than we think it is.

The relationship between COVID-19 cases, COVID-19 deaths and population density in each voivodeship in October



Number of COVID-19 cases and deaths in October varies significantly between voivodeships and seems to be independent from their populations density. Three voivodeships are particularly interesting:

- Mazowieckie, with the lowest number of new cases and relatively low number of reported deaths,
- Podkarpackie, with very high number of deaths despite not so many new cases and
- Opolskie, with both the highest number of reported deaths and new COVID-19 cases.

Numbers were scaled per million of citizens.

On the right you can see that the weekly number of deaths was nearly unchanging till October, when the second wave of COVID-19 began in Poland. There we can notice a very rapid increase in this number, with the weekly number of deaths doubling within a month. This suggests that there are now more deaths associated with COVID-19 than with all the other causes combined.

Weekly deaths per million citizens in 2020

