The Covid Pandemic: Our World in Data

Nadia Matulich 19880812[a]

[a]*Department of Economics, SU*

Abstract

This document reports on the Covid pandemic
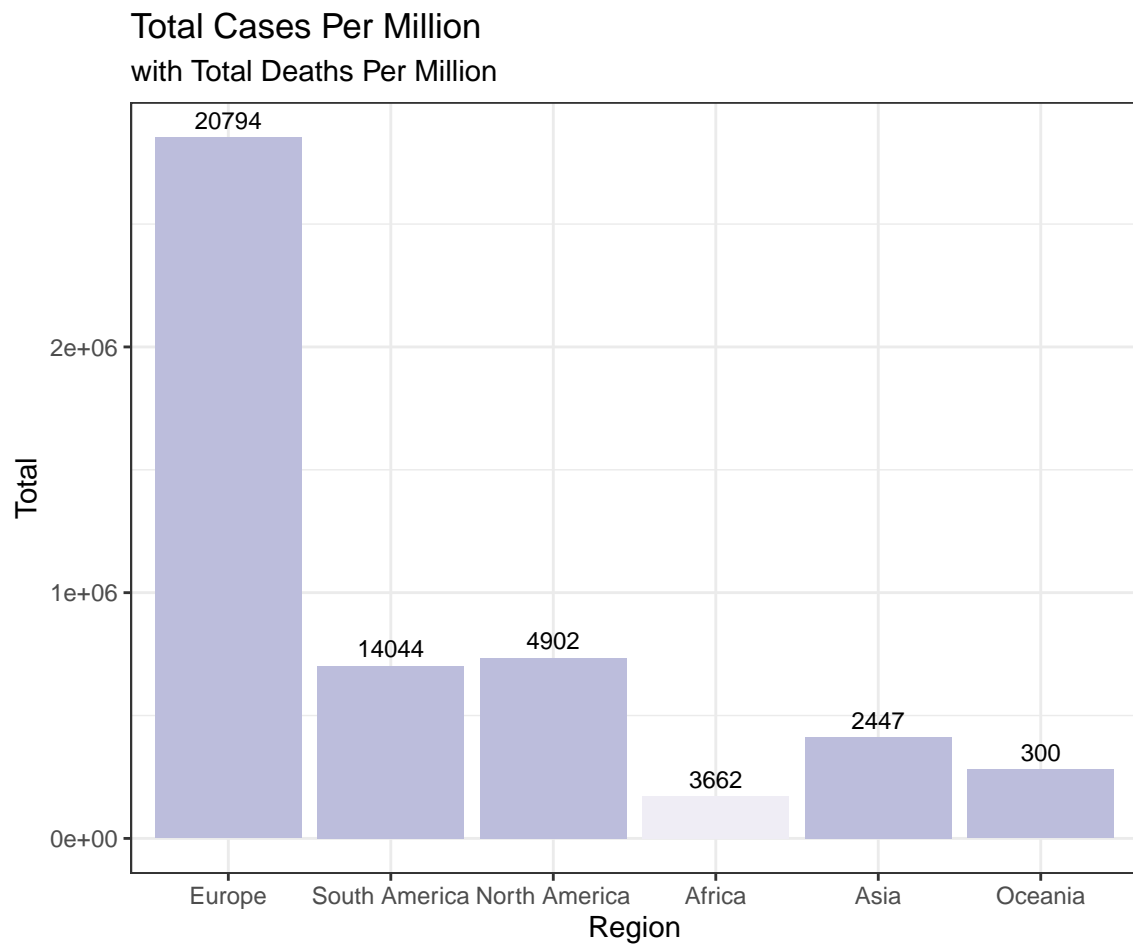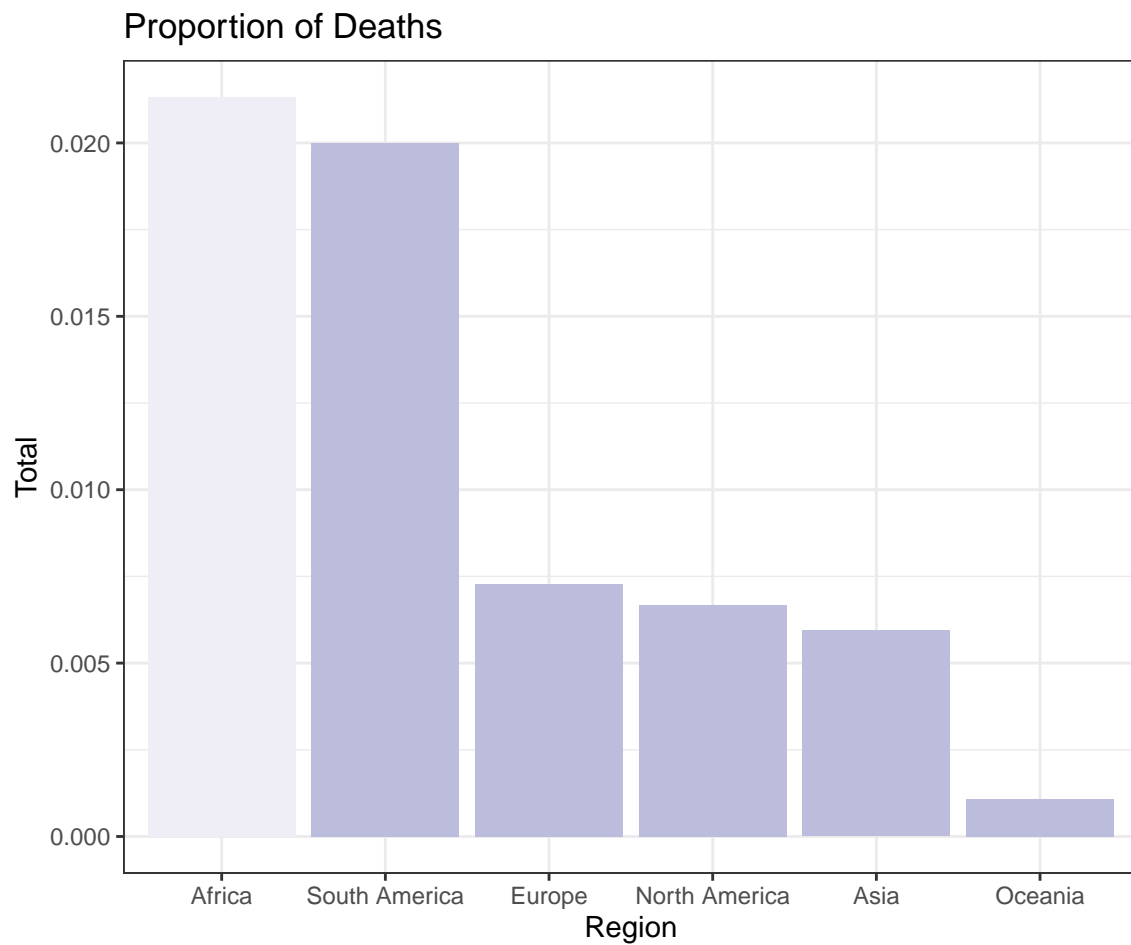
1. Introduction

2. Question 1: Covid

Having been directed by editor of the New York Times, the following needs to be done:

- African experience of covid, vs rest of the world

- Asssess co-morbidities on a Macro level

  - Did countries with higher rates of co-morbidities fare worse?

- Hospitalisation:

  - How quickly did different regions increase their hospitalisation facilities
  - As well as whether this lagged or led ICU emissions

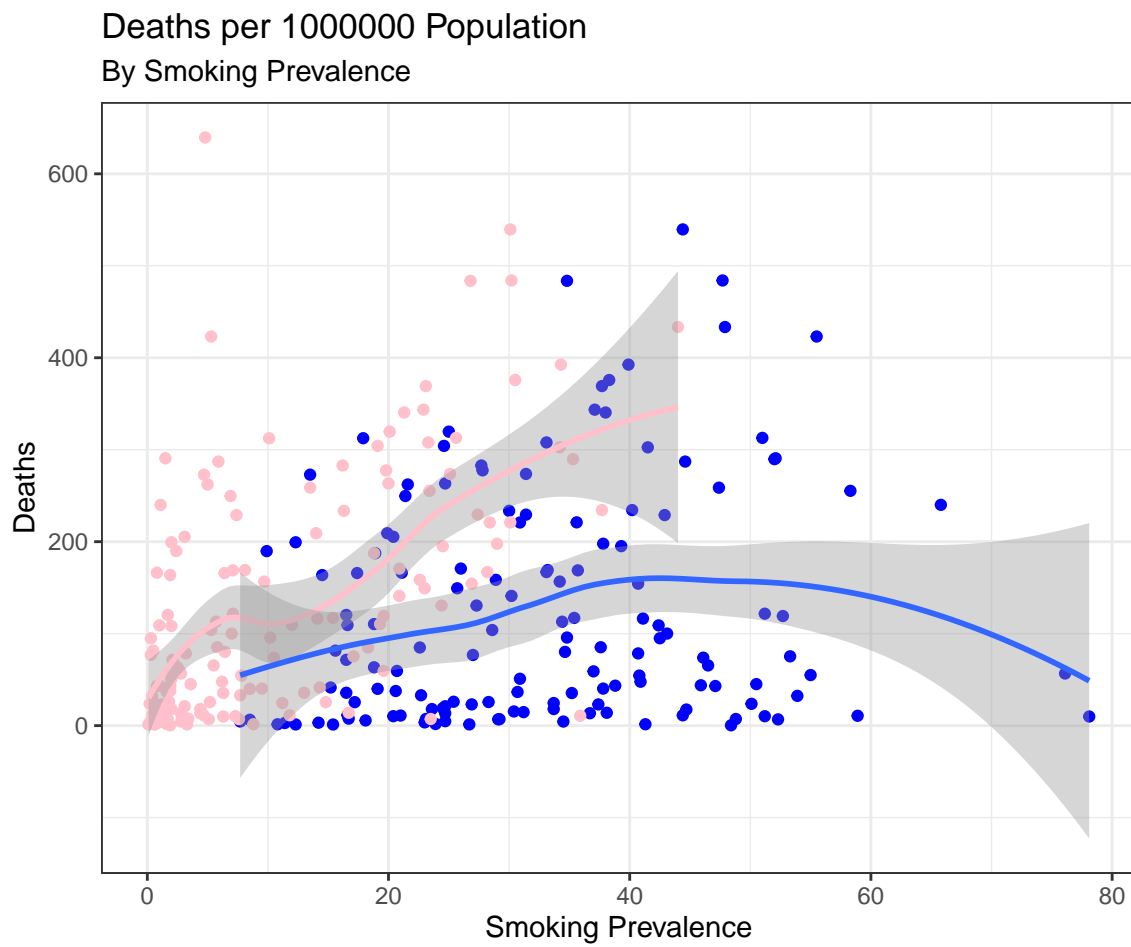If we compare different regions we obtain the following:

Email address: nadiamatulich@gmail.com (Nadia Matulich 19880812)

Total Cases Per Million

with Total Deaths Per Million
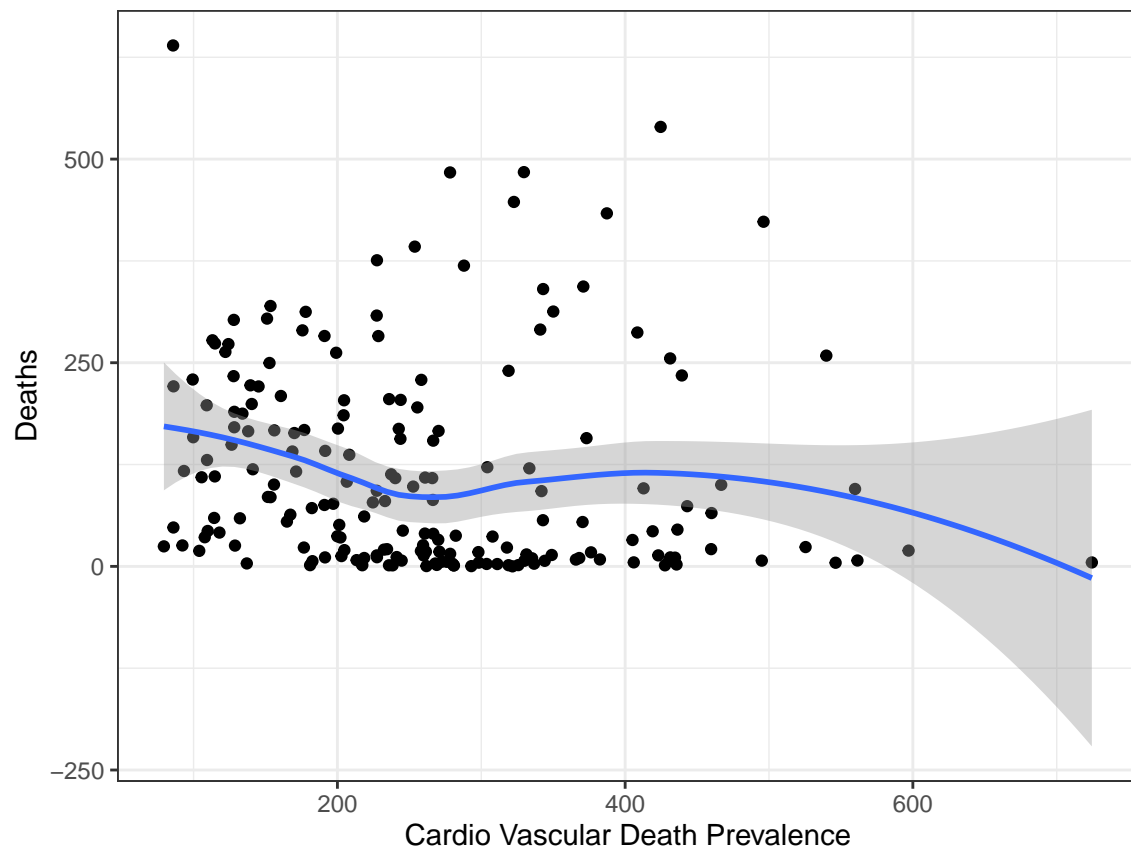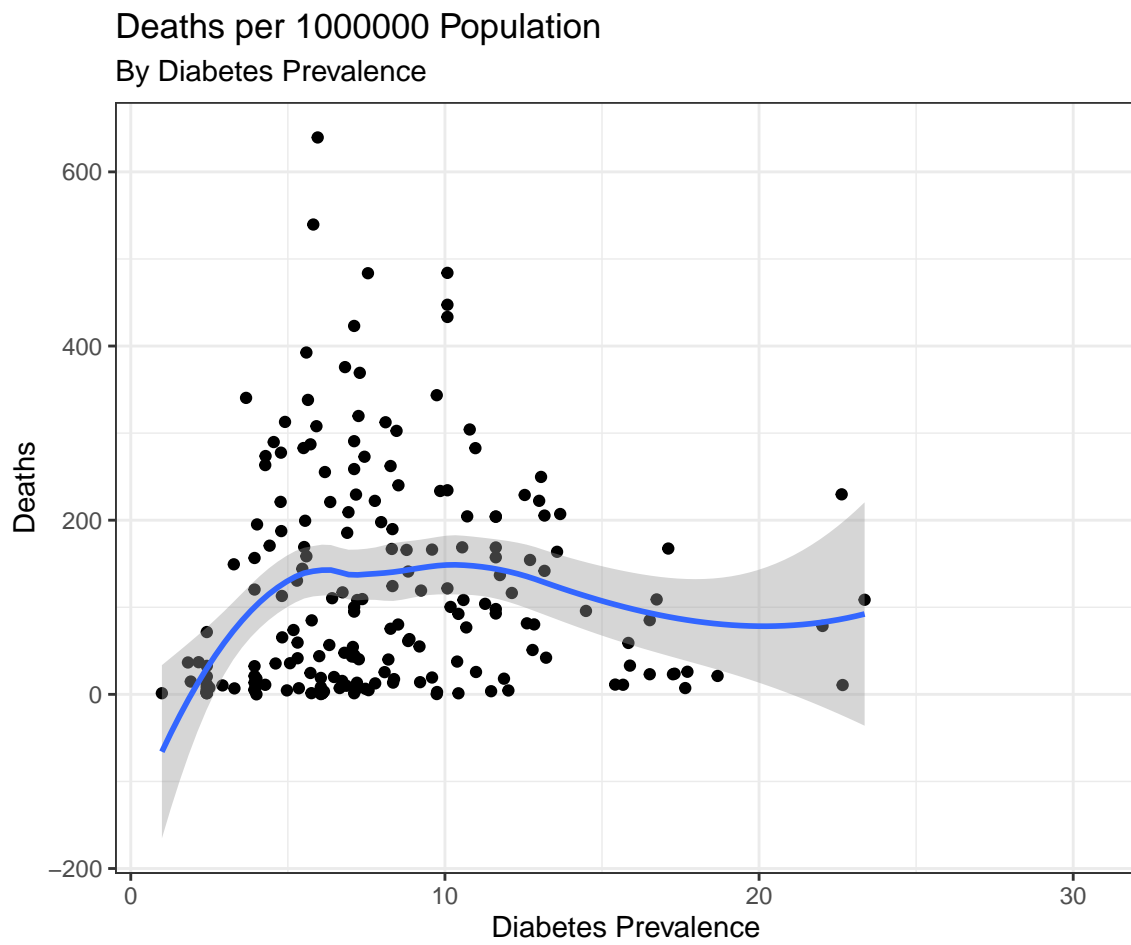
Proportion of Deaths

- Africa experienced the highest death rates (per 1mil population) but managed to contain the spread of covid quite well.

- Europe experienced the highest incidence of cases but exhibited a much lower rate of deaths per 1000000 population.
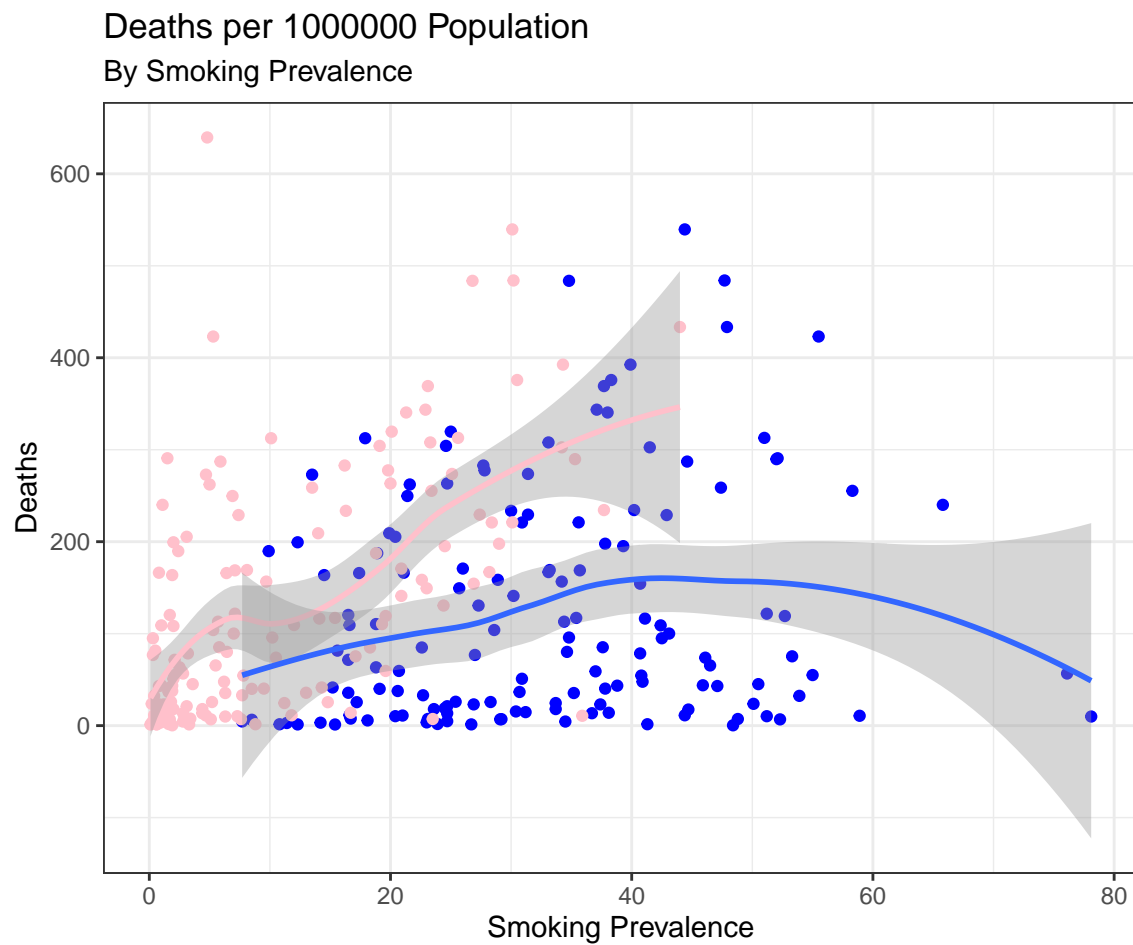
At the start of the pandemic, a lot was said about the effect of co-morbidities on mortality.

Deaths per 1000000 Population

By Smoking Prevalence

Deaths per 1000000 Population
By Cardio Vascular Death Prevalence

Deaths per 1000000 Population
By Diabetes Prevalence

Deaths per 1000000 Population
By Smoking Prevalence

we see that : * in countries with low cardio vascular death prevalence, there are high covid deaths * this is likely due to high cardio death prevalence being linked to a poor hospital system with poor record keeping * as cardio vascular deaths prevalence increases, deaths decrease, then increase again (then decrease again) * initial decrease likely due to better record keeping * subsequent increase due to underlying co-morbities * subsequent decrease due to lack of data at the end of the graph (hence high confidence intervals)