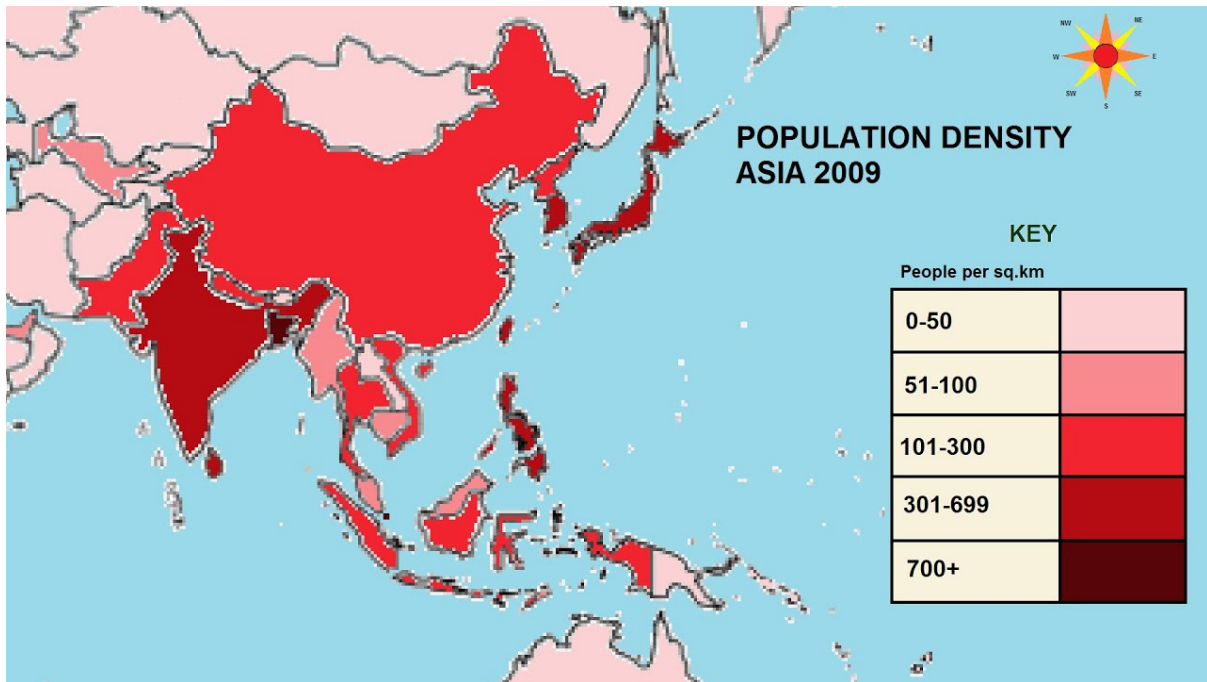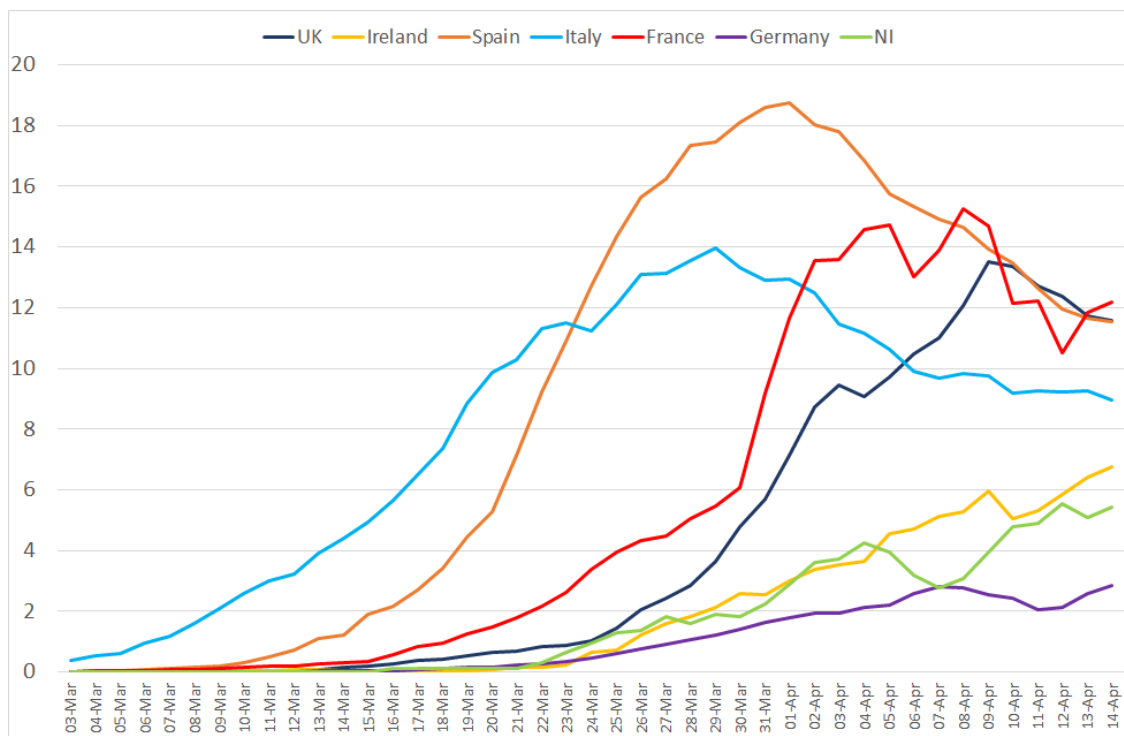# Preliminary report

Abstract

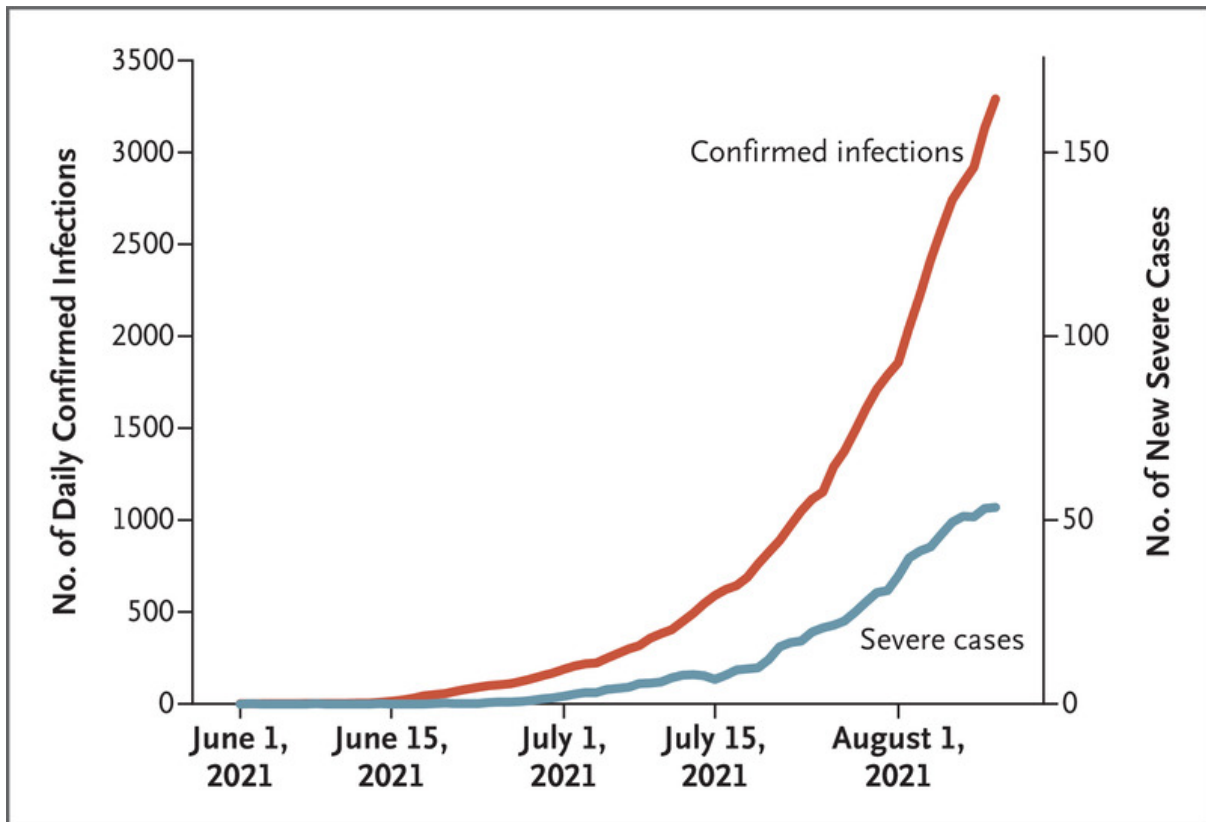Text and a few sketches of the UI (can be a snapshot, but it is mandatory)
- **Choropleth map asian countries** (deaths per country through the period and amount of vaccinated people per country)

- **Line chart for COVID-19 progress in top 5 countries with most cases**
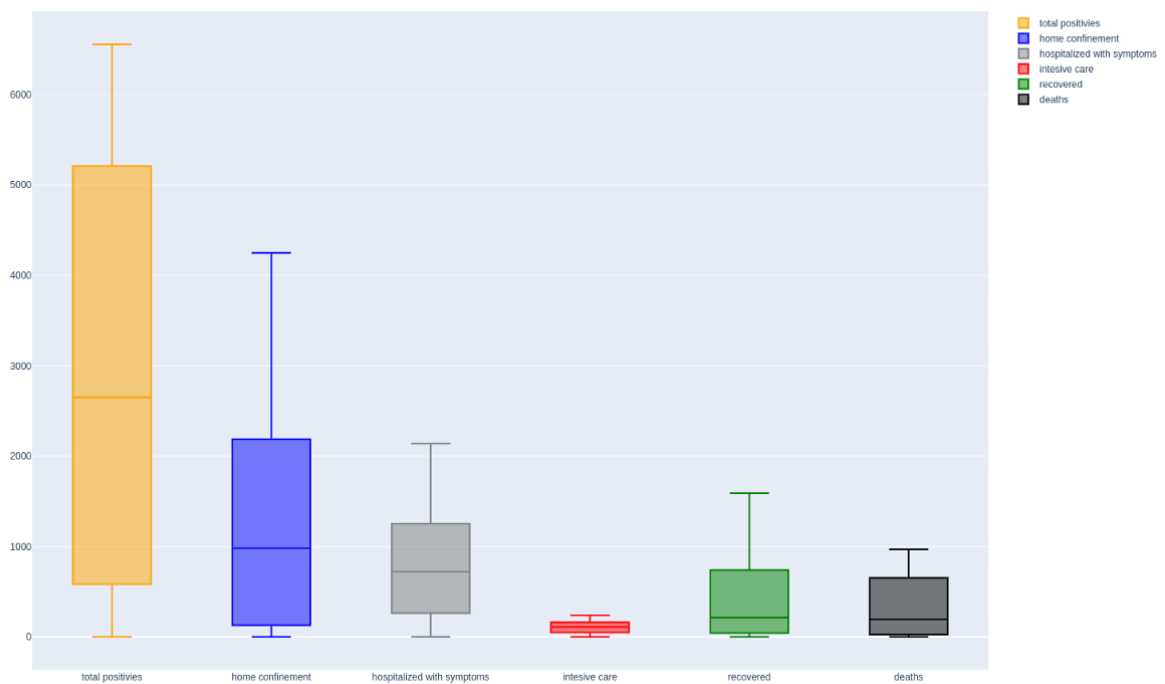
- **Line chart for correlation between new cases and vaccinated people for 5 countries with lowest gdp**

- **Box plot (3 box plots** for years 2020, 2021, 2022 and for top-5 countries with most amount of deaths)

Box plot analysis of deltas

- What is the story that you want to tell?

We want to visualise how fast COVID-19 was spread around the Asian countries and we will try to find variables that affected most population density, gdp or etc. Also, we want to depict the impact of vaccination to the spread of COVID-19.

- Dataset(s) (or subset of it) that you plan to use
- Countries in Asia: 48
1. https://github.com/owid/covid-19-data/tree/master/public/data
   Dataset that was collected during the pandemic consists of data about confirmed cases and deaths, hospitalisation and intensive care unit (ICU) admissions, vaccination, etc. Dataset covers almost all countries and it is updated on a daily basis.

2. https://gist.github.com/hrbrmstr/94bdd47705d05a50f9cf?short_path=a2899d2
   Geojson file of countries located in Asia.
- Chart types
1. **Maps** (deaths per country through the period and amount of vaccinated people per country)
2. **Line chart** (correlation between new cases and vaccinated people, correlation between deaths and gdp of the country, correlation between population density and deaths)
3. **Box plot (**for each year and for top-5 countries with most amount of deaths)