AI-Hackathon 2021
Team #3

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Objective

1. Before pandemic

In case of a pandemic, which types of countries are more at risk?

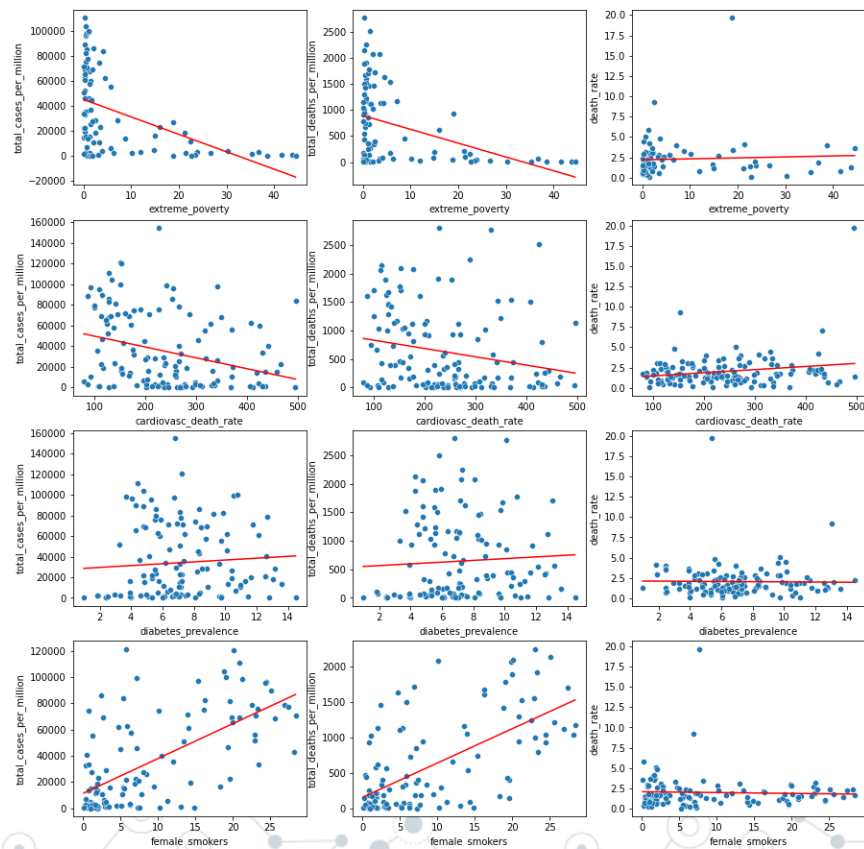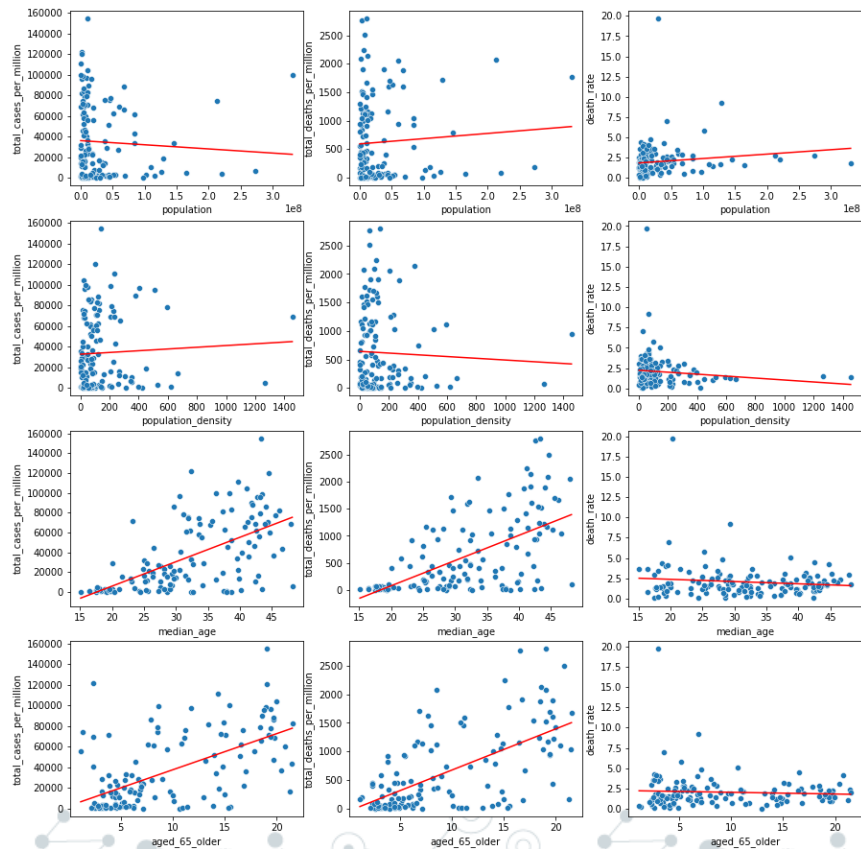## 2. During pandemic

Do we really save lives by staying at home?

1.

Countries analysis
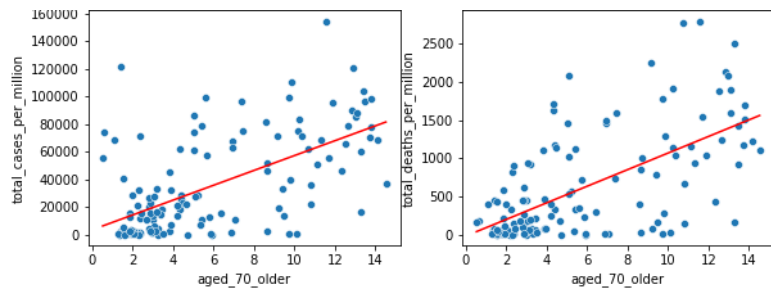
A statistical study on OWID dataset

Features

◎ Population

◎ Average age

◎ Smoker

◎ Income

◎ Life expectancy

◎ Hospital beds

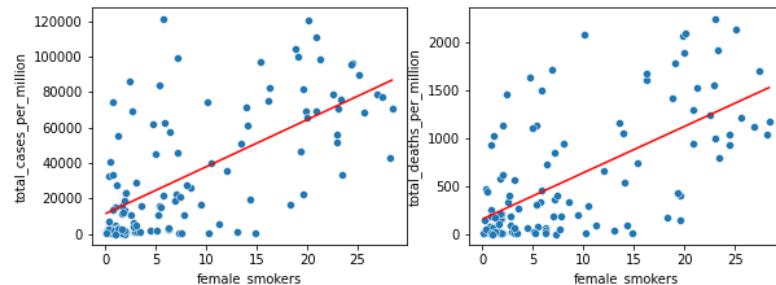◎ Handwashing facilities

◎ etc.

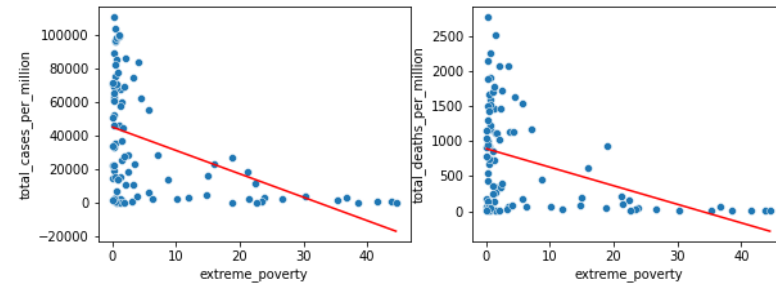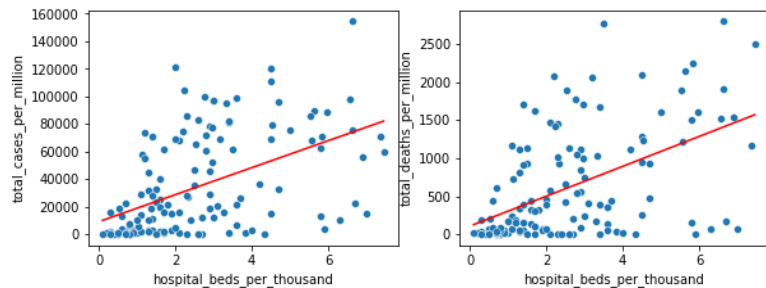# Features' plot

Remarkable results

Predictable

Interesting

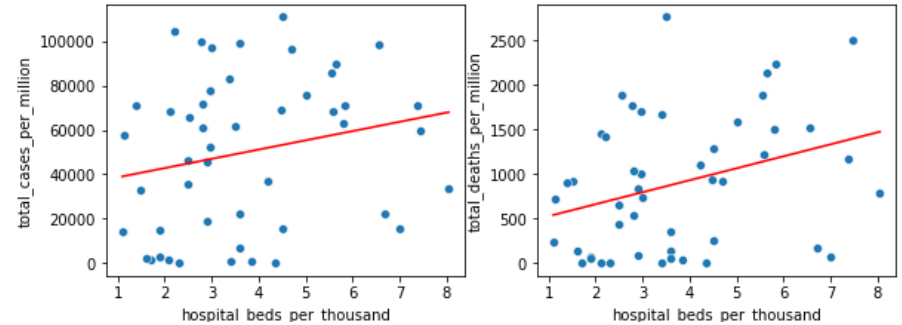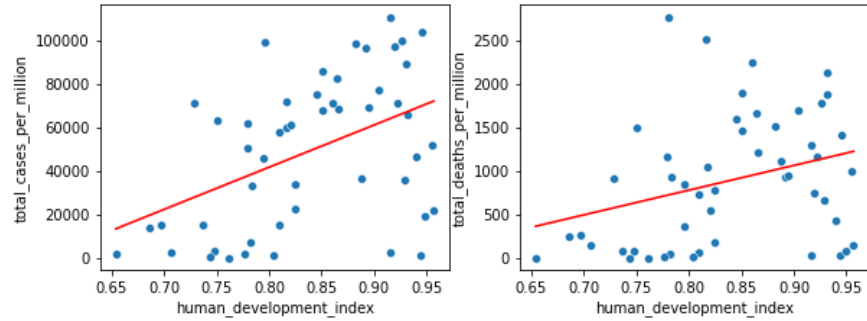Strange

Hypotheses

Inaccurate reports

The reported number of cases in low-income countries are not much accurate
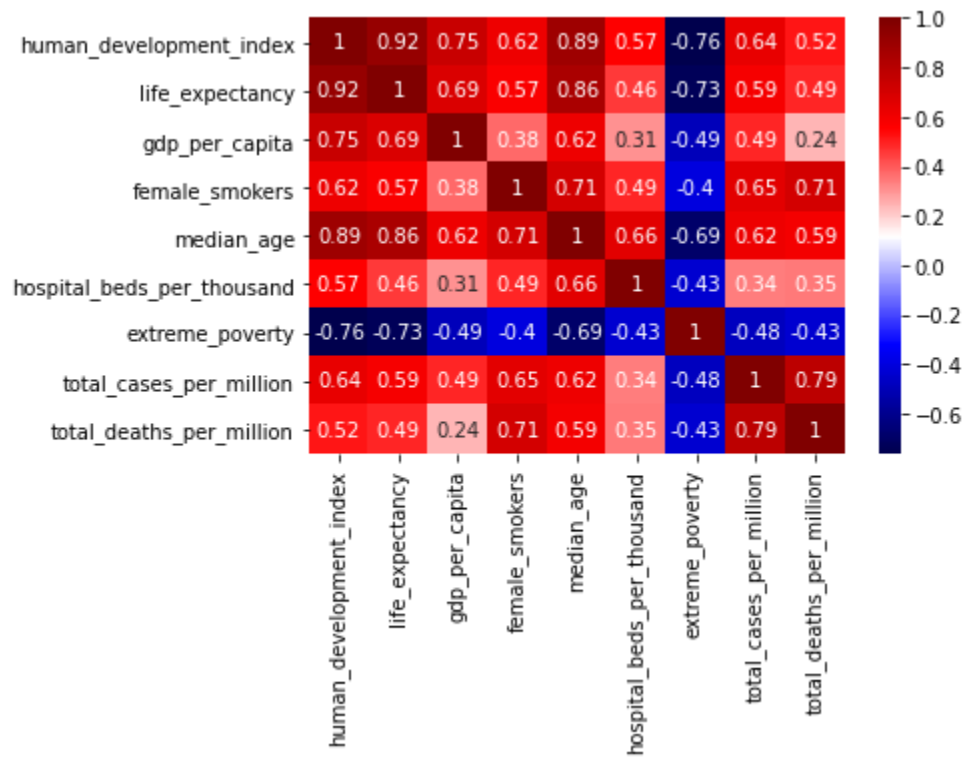
Hidden features

Some other features are playing the main role but we see only their impact through these strange features.
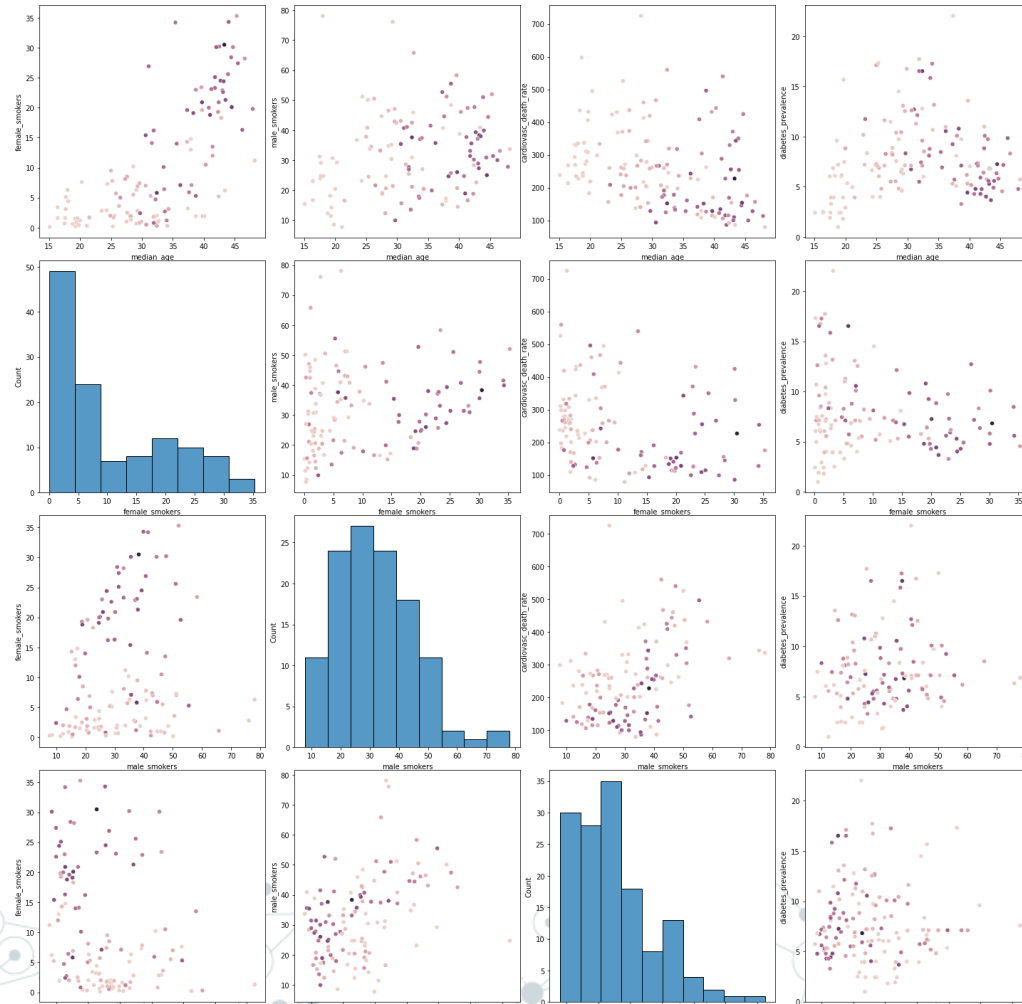
Plots for top high-income countries

Correlation matrix

Correlation matrix

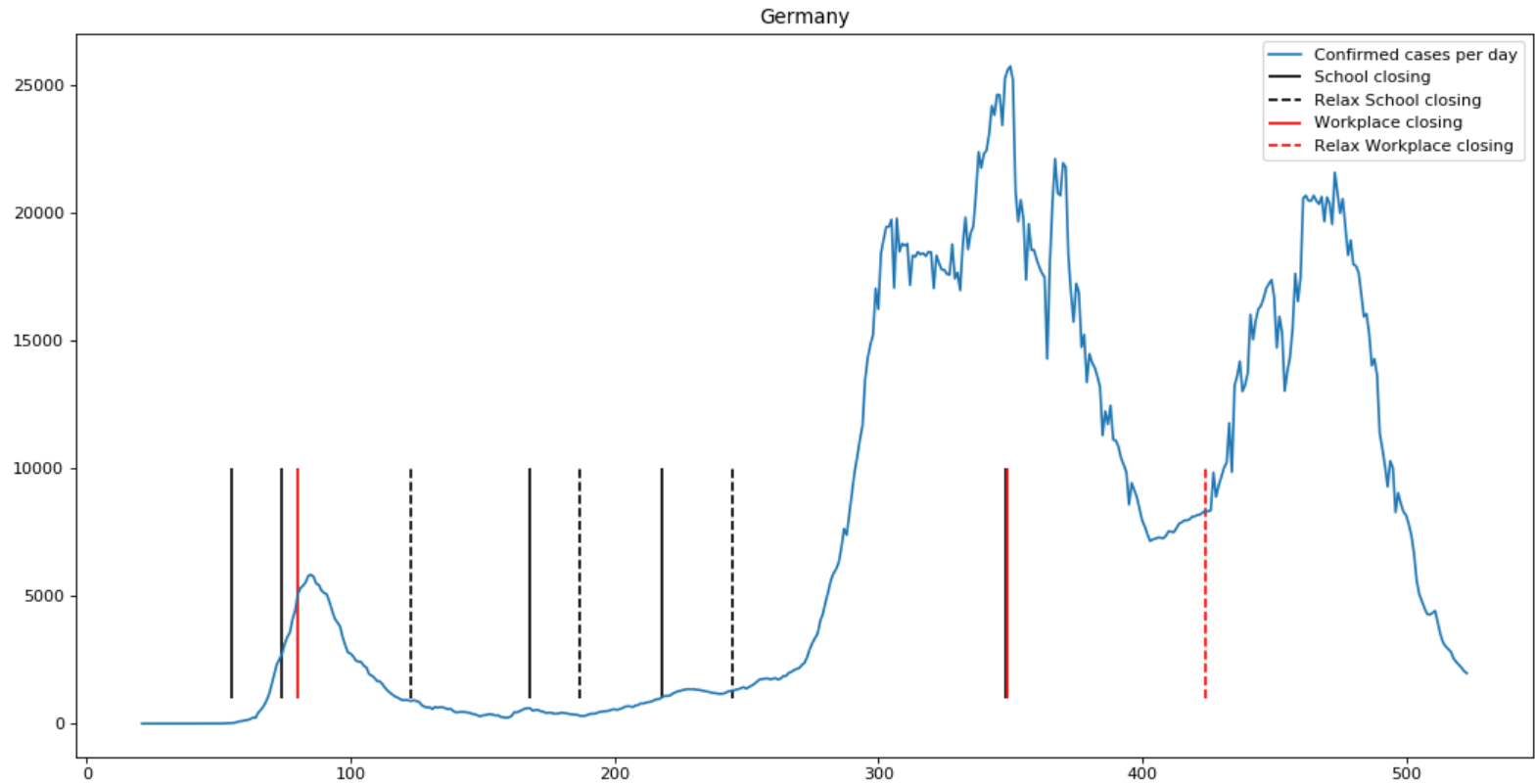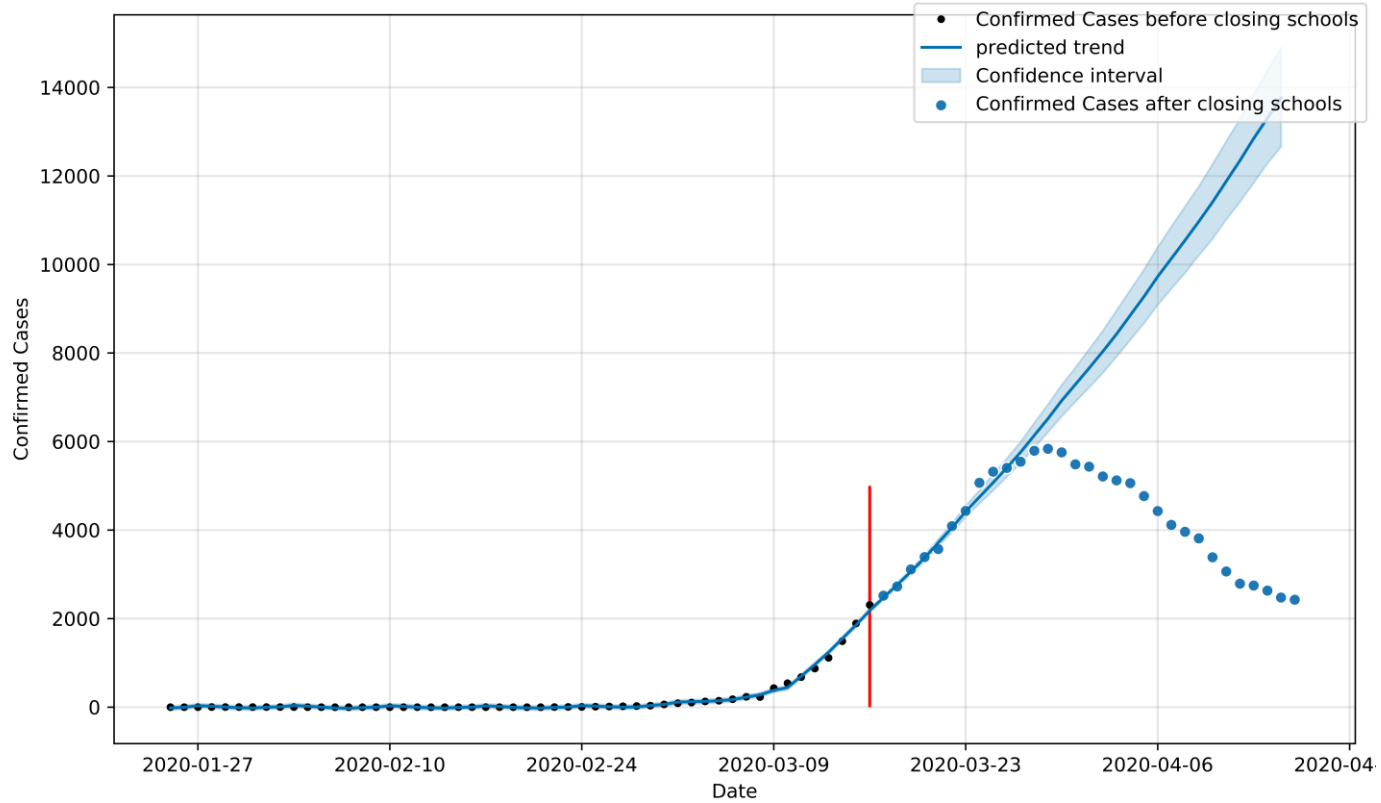# In case of a pandemic, which types of countries are more at risk?

Aged societies

2.

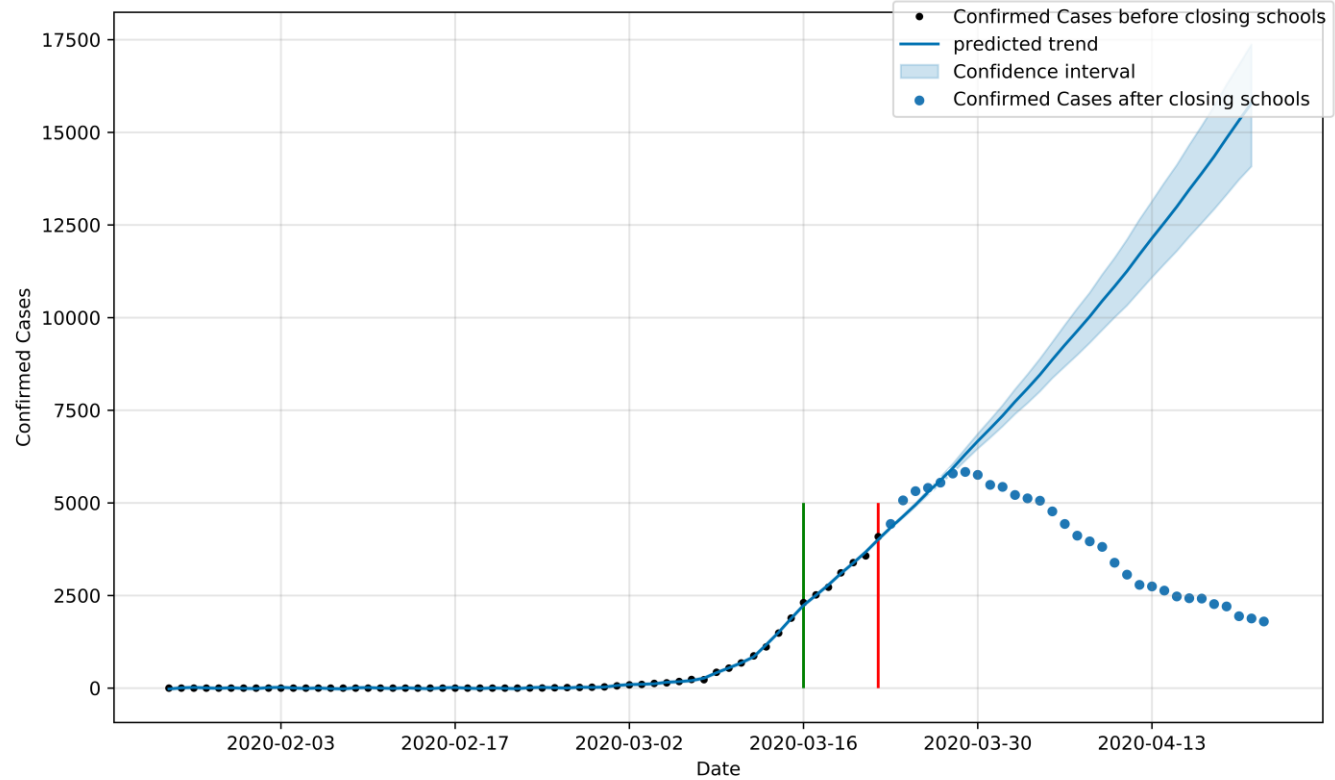# Policies analysis

A time-series analysis on OxCGRT dataset

Confirmed cases during time (Germany)
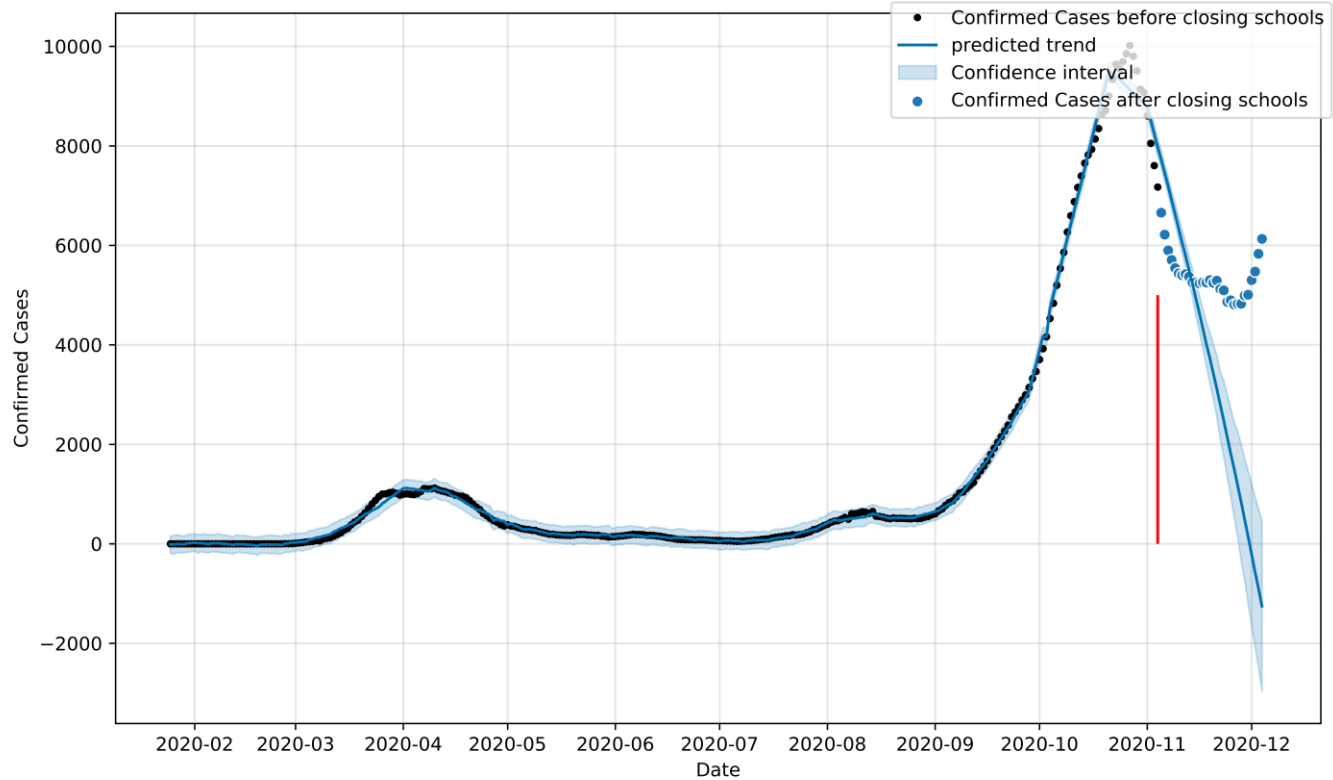
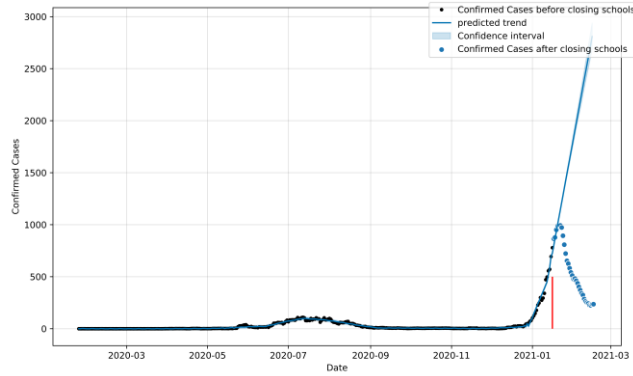# Model predictive analysis (Germany)

Model predictive analysis (Germany)
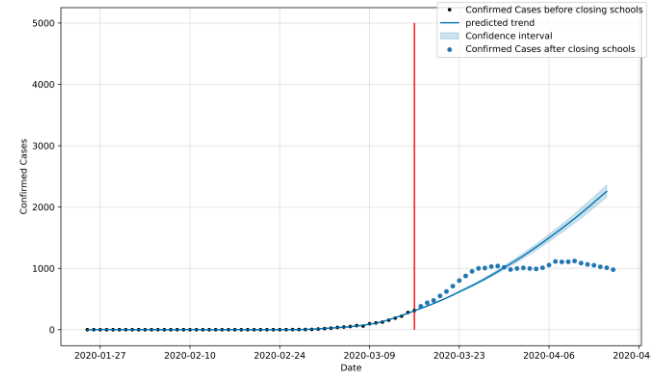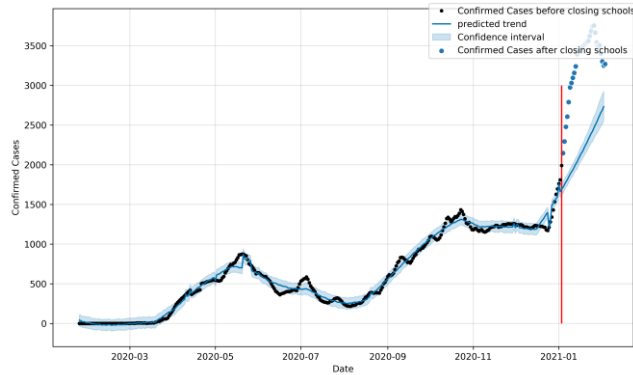
Model predictive analysis (Netherlands)

Model predictive analysis

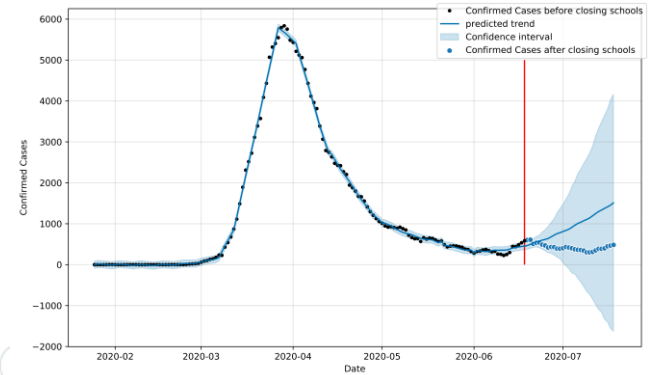# Do we really save lives by staying at home?

Yes! We are heroes who save
many lives by staying at home

Thanks!

Any questions?