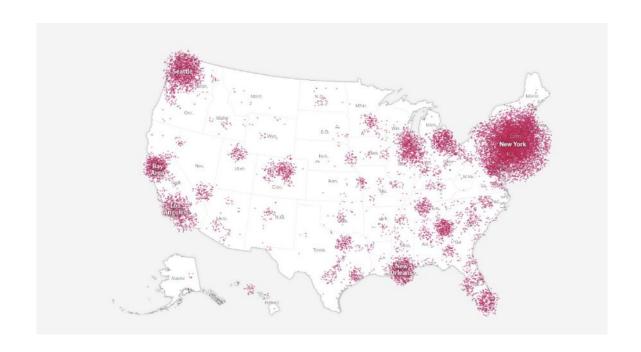
Corona-Vis: Covid-19 around the world

Expansion of COVID-19



New York Times, covid-19 China.

Expansion of COVID-19



New York Times, covid-19 EEUU.

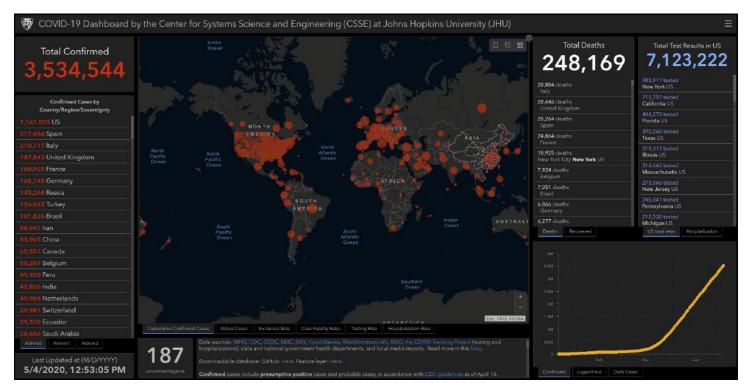
Data Source

- World Health Organization (WHO)
- China CDC (CCDC)
- US CDC
- New York State Department of Health
- DXY.cn. Pneumonia. 2020
- COVID Tracking Project

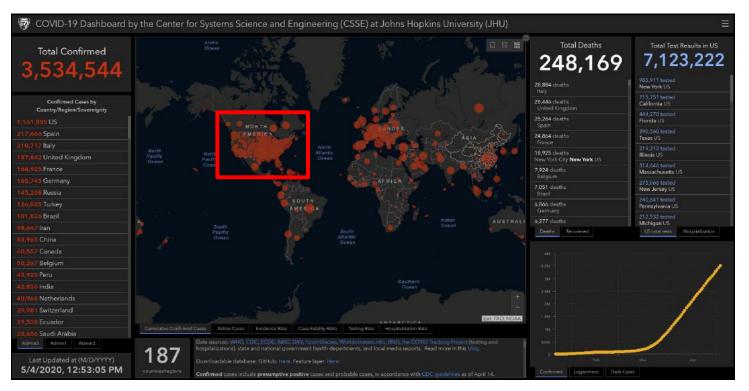


Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU)

Visualization Problems

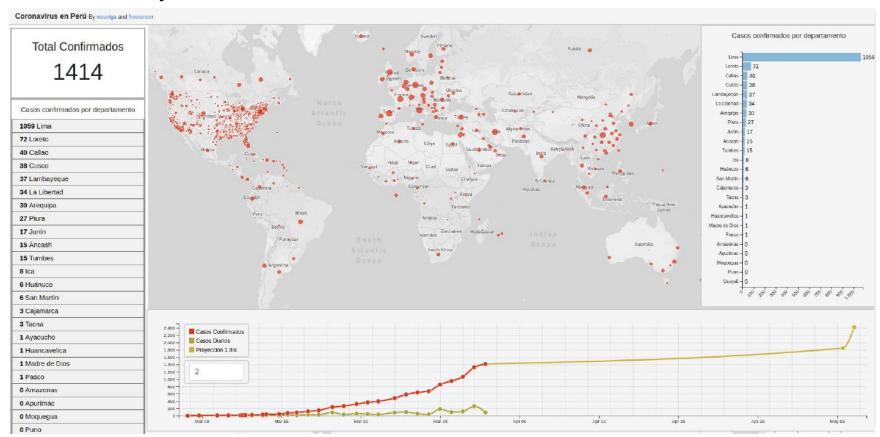


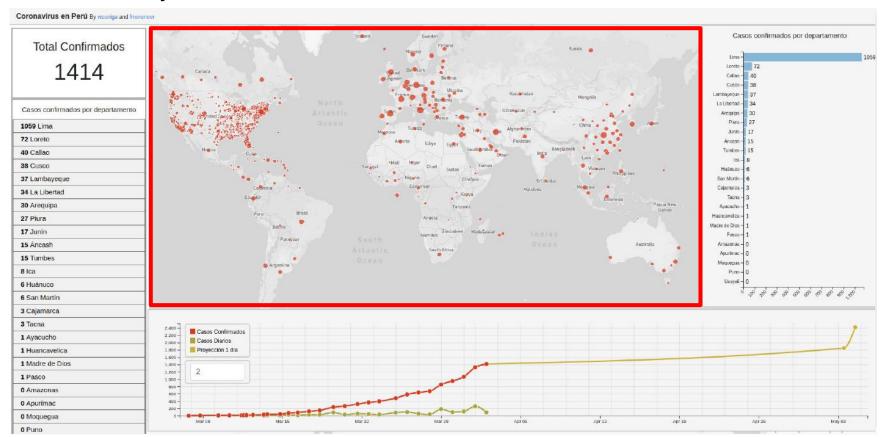
Visualization Problems

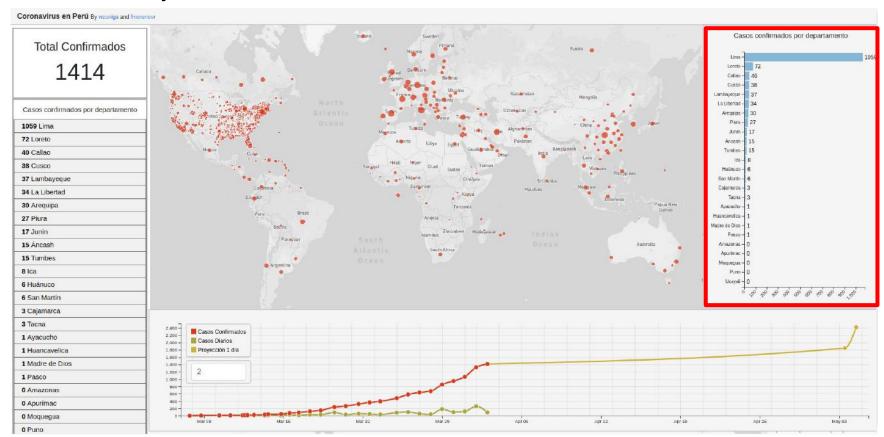


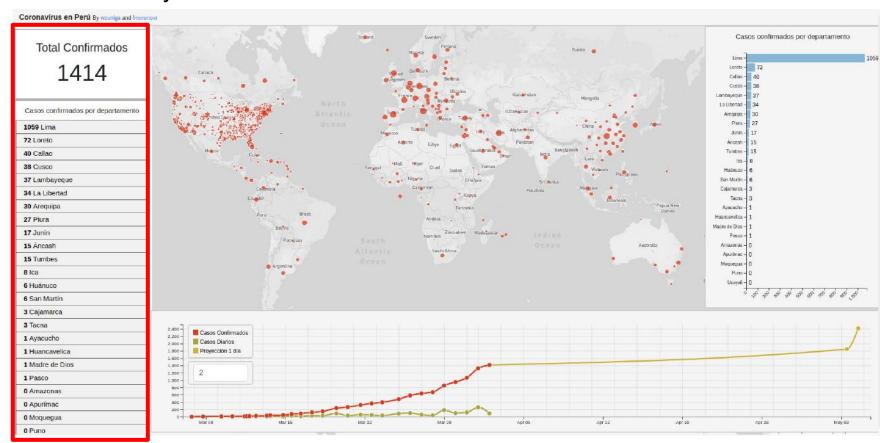
Visualization Problems

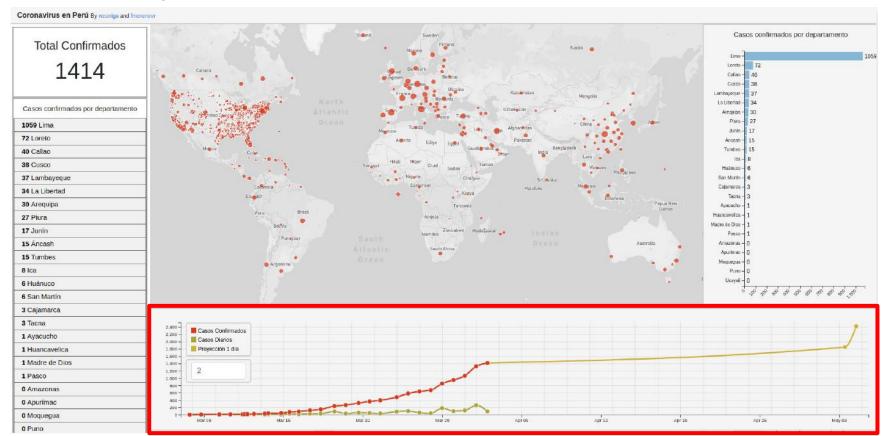








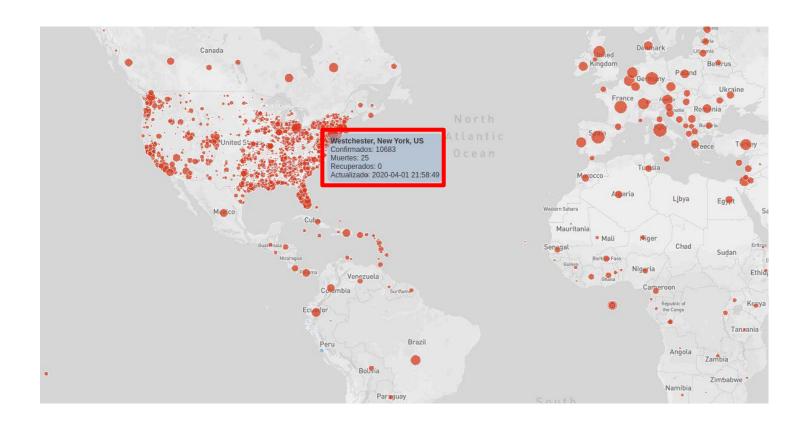


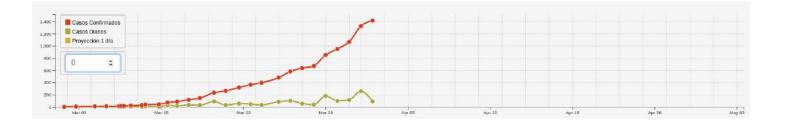


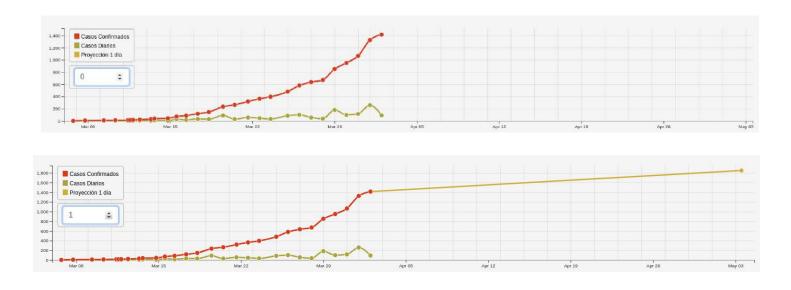
Show data

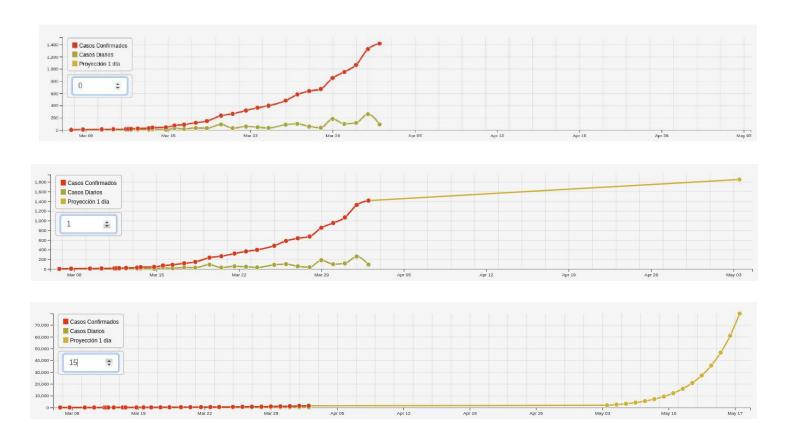


Show data





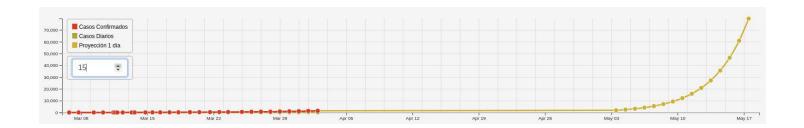




$$P'(t) = k \cdot P(t) - n \cdot P^{2}(t)$$

$$P'(t) = P(t)(k - n \cdot P(t))$$

$$P'(t) = k \cdot P(t)\left(1 - \frac{n}{k} \cdot P(t)\right)$$



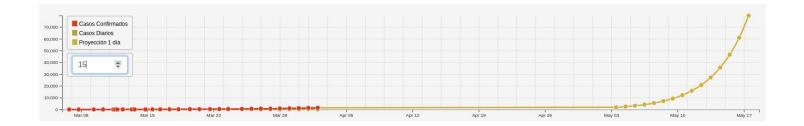
Prediction basic reproductive ratio (K) through time

$$P'(t) = k \cdot P(t) - n \cdot P^{2}(t)$$

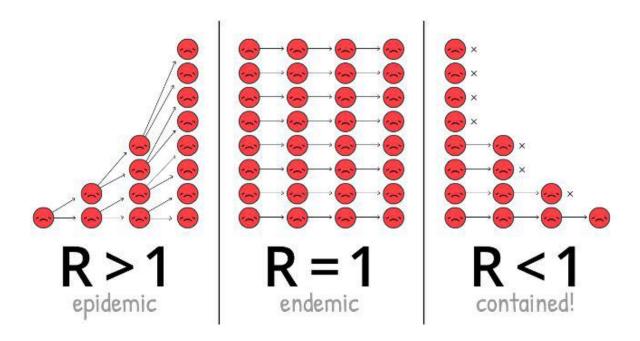
$$P'(t) = P(t)(k - n \cdot P(t))$$

$$P'(t) = k \cdot P(t)\left(1 - \frac{n}{k} \cdot P(t)\right)$$

$$P(t) = \frac{K}{1 + Ce^{-kt}}$$



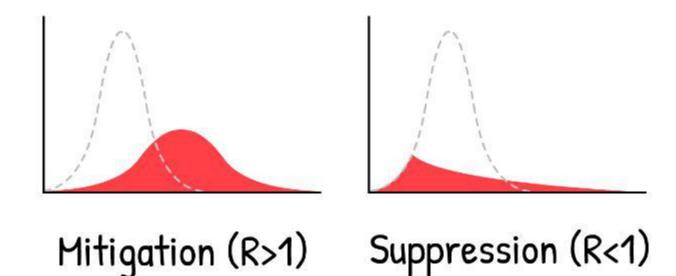
Prediction basic reproductive ratio (R) through time



Source:

https://ncase.me/covid-19/

Prediction basic reproductive ratio (R) through time



Source:

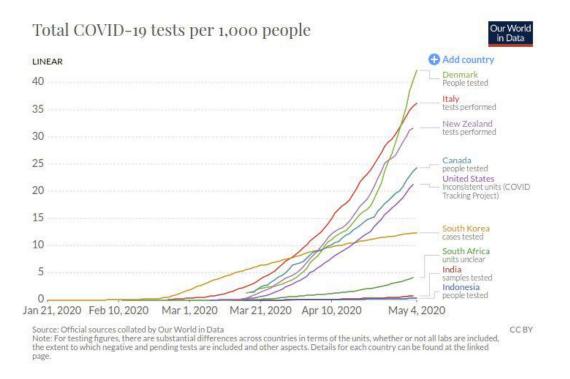
https://ncase.me/covid-19/

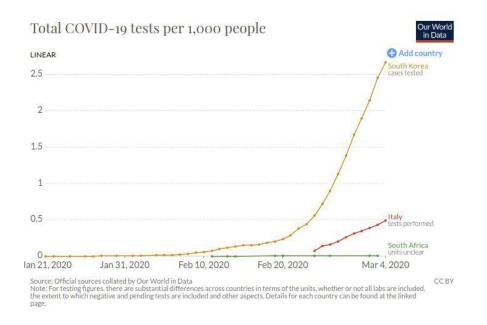
Case Example: Perú

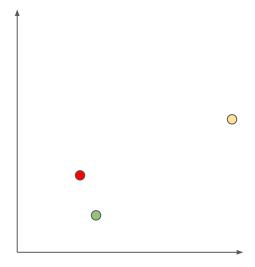


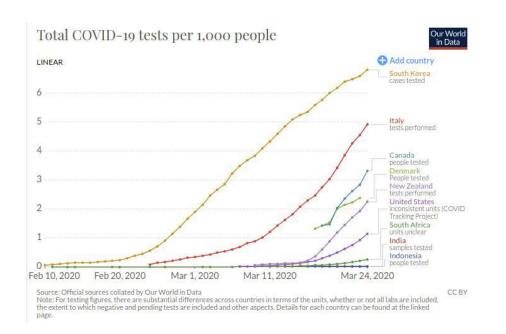
Source: https://huaynodata.com/

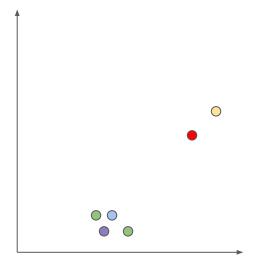
Thank you!

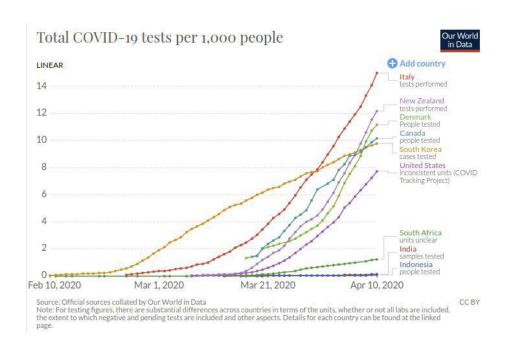


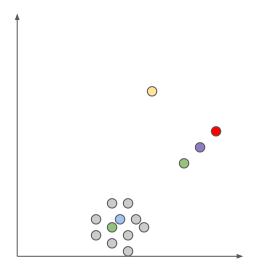


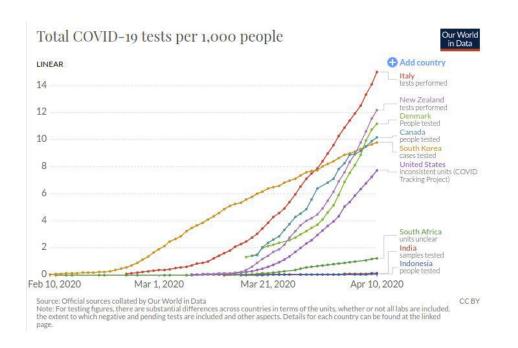


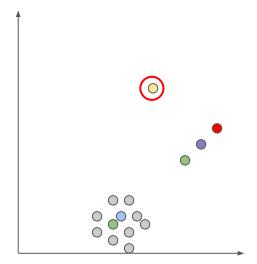


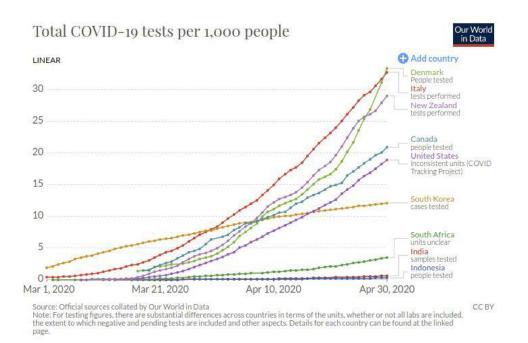


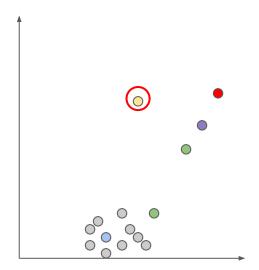






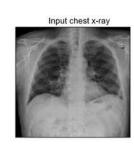


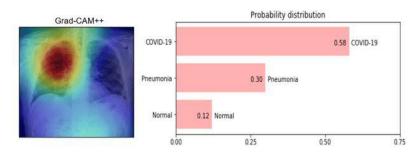




Data Source CNN

rsna-pneumonia-detection-challenge*





Sample of simple output of our expected classifier

Source:

- * https://www.kaggle.com/c/rsna-pneumonia-detection-challenge
- https://arxiv.org/pdf/2004.04582.pdf

