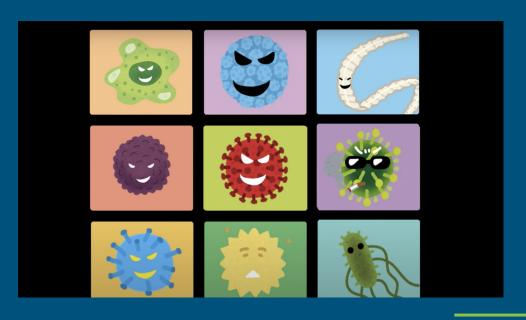
WH P2 LAB



Our Goals

- To find out the difference and similarities between COVID-19 and other viruses in the past, such as Ebola, SARS, and MERS
- To compare the trend, mortality and spreading ability
- Visualize the results

QUESTIONS

- What is the difference that COVID-19 and viruses spread in certain countries?
- How those viruses affected the origin country and other countries, and we want to compare the data between viruses to see their ability in spreading.
- We are trying to see if the mortality affects the duration of the virus, and see if we can get an estimation of how long COVID-19 will last.
- What is the difference in the trend of the virus in the first 50-day outbreak?

Methods

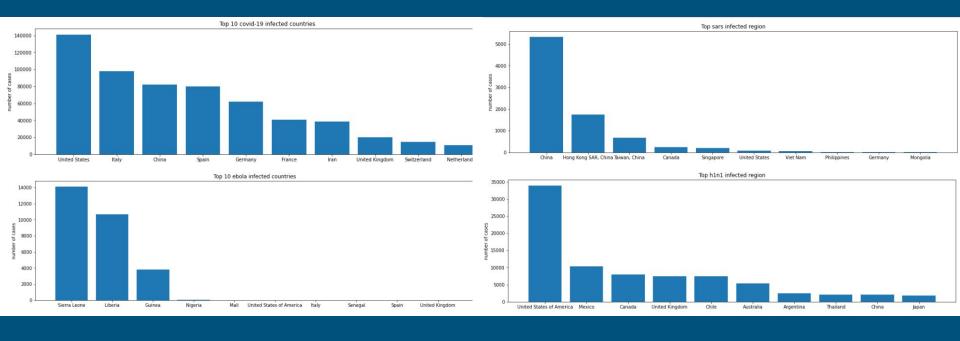
difference in fixed time

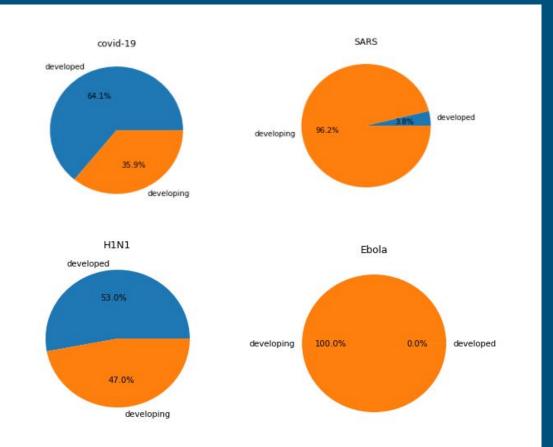
Growing rate

difference in fixed space

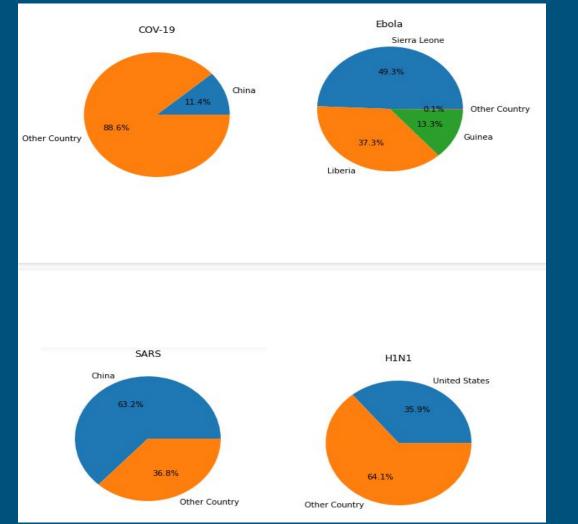
Spreading condition

Spread of the Viruses

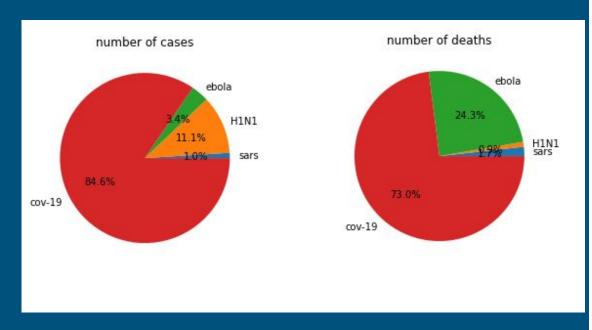




Origin of the virus



Durations and Mortality



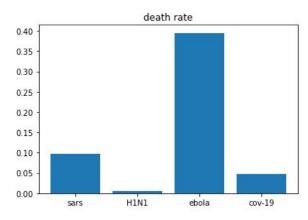
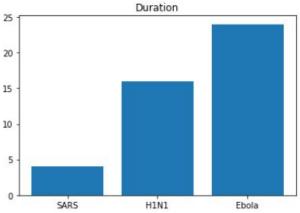
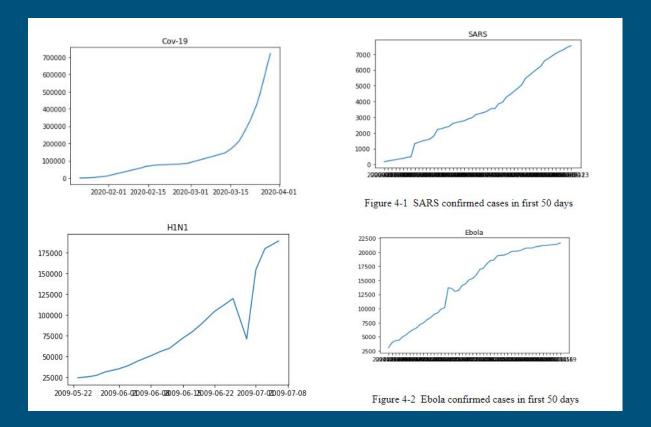


Figure 3-2 death rates of the diseases



First 50-day trends



Challenges

- Lack of data
- Useless data
- Corrupted data
- Incompatible data format
- Unable to predict the duration of this epidemic

Conclusion

- Low mortality rate
- Highly infectious
- The most severe epidemic of the 21st century

Thank You

감사합니다 Natick Danke Ευχαριστίες Dalu 号 Thank You Köszönöm Tack