14. Epidemiology

Team Nitro

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Summary

Problem statement:

Use the data for the COVID-19 pandemic, available on the Internet, to estimate the numerical values of the parameters, describing the different waves in different countries. How can you explain the possible differences?

Summary: The reporter has studied how in 3 different countries with

The Report

- Pros

+countries with different health policies

+talked about the basic reproductive number, the math behind the pandemic;

+ argumentated the choice of theoretical model

+

- Cons
  -did not say anything about the virus itself or if different types of coronavirus affect the situation in those countries

  - the selected countries have different kind of populations, different susceptibility to the disease, influences the results
  - did not say anything about the population age and if it influenced the situations in those countries
  - the selected countries have different economical development, that can clearly influence the results
  - did not talk about the influence that the vaccine has on the pandemic;
  - did not highlight how many waves, how big they were, what caused them, only showed the graphs

  -did not use the math to approximate how the situation will evolve, the future waves;

The Opposition

- Pros
  + highlights the different selection of countries
  +
  +
  +

- Cons
  - but not how they
  - some strong and weak points were vague (ex: "data was ok and new")
  - talked about the lack of parameters considered, but did not enumerated the most important ones (the)

  -

The discussed topics

- Opponent question
  1) asked about the information collected

  2) how did the coronavirus spread?

  3) if the vaccine influences the results (important question)

  4) did you analyze the spread of other disease

- Reporter answer
  1) the governments countries and WHO

  2) through air (agreed, also by surfaces)

  3) yes, it influences (agreed)

  4) Other diseases aren't significant since the problem talks exclusively about coronavirus (agreed)