Week 2 meeting

Date: Aug 02 2021

Agender

1. Discuss week 2 report

* Would be good to show number of infections along with these plots
* More detail regarding the types of interventions are required eg.
* Which version of python did you use?
* On which days were the interventions performed,
* What methods were used?
* On the code, there were two intervention functions, which of these are shown on the plots. Why are they labelled the same but used in two simulations?
* What does the function ProcessDate() do?
* When you defined location as ‘Australia’ , why did you specify a csv file for NSW?

https://github.com/M3IT/COVID-19\_Data

* How did you get NSW data? (webscraping?)
* Can you first show the structure of NSW data, along with the demographic data used
* What was the difficulty in getting Sydney data?

John Hoskins

<https://github.com/CSSEGISandData/COVID-19>

<https://www.arcgis.com/apps/dashboards/bda7594740fd40299423467b48e9ecf6>

* Can you use Jupyter Notebook?
* Can you incorporate the TTI method in Covasim?

1. Discuss questions on the report

* Put codes on GitHub (let me know/share the address)

1. Explain goals/outcome of the project
2. First goal is to get Covasim running on basic scenarios – related to current Sydney outbreak and previous Melbourne outbreak.

* Setup software for collecting data (John Hopkins based – or otherwise).

1. Second goal is to collect related literature and summarize it.

**Two potential outcomes**:  
I) Use COVASIM on scenarios associated with previous Melbourne outbreak and current Sydney outbreak.

II) Adapt COVASIM to work with multiple viral spreads (e.g. Flu + Cold + COVID)

1. Writing final report

* Use Overleaf
* Collect literature/studies related to Covasim application
* Share it with me

1. Join

* AI4PAN seminar series talks: https://ai4pandemics.org

ML group (email Chris van der Heide : [chris.vdh@gmail.com](mailto:chris.vdh@gmail.com) )

1. Every week send me something before the meeting and what your plan for next week

For Week 3 Tasks:

1. Similarities and differences between Covasim paper and the SIR + TTI paper.
2. Is TTI method included in Covasim – if so can you reproduce and example

If not, is there a way we can incorporate this in the software

1. Is Covasim an SEIR/ SIR model – is individual variability included