RepresentativeViz - Evaluation Session

Part-0 (For second group of epidemiologists)

-Explain setup of experiment

-Briefly show the tool via a screen share via us and tell them what everything is: link: http://cs.swansea.ac.uk/ContactViz/ContactSimulationViz/ Can take a little bit to load

-Mention what the representative trees show

-Show that one can see the original trees

-Show a simple example of a value (infector state)

-Show a simple example of a policy, and explain policy encoding

Part-1: Practical evaluation of the tool (40 mins)

Protocol:

- Introduce how the process will work, emphasize that we would need them to think aloud as they use the interface
- For each activity, participants walk us through their thinking process and report over a think-aloud process while conducting the activities
- Ask one of the participants to open the tool and screen-share

Activities

(T1) Verify that the model is behaving as expected.
(T2) Explore how the disease spreads in the network.
(T3) Compare the effect of policies

Activity-1: How would you use the tool to assess the model, i.e., is it doing what you expect it to do?

Prompt questions in case needed:
--What role do asymptomatics play (if any)?
--Do locations behave as expected?
--Do contacts between age groups behave as expected?

Activity-2: Is there something interesting you spot in this particular simulation about how the disease spread?
Instruction: Would you walk us through why you find it interesting and how the visualisations are helping

Prompt questions in case needed:
--Do the high degree nodes behave as expected?
--Do the low degree nodes behave as expected?
--Is there a difference between large trees and small trees?
--What role do asymptomatics play (if any)?

Activity-3: Would you be able to compare two policies that are of interest?
-- What is the role of the percentage of people who have the app

--What is the tradeoff between the days of the isolation and the amount of days we go back to find contact.
++Does the derandomization feature help and give clear information? Mislead?
----The weaker policies will impact some, but other clusters will be helping more on.

Activity-4: Find a policy setting that is practical to test in a full run
-- Find a good balance between the days of the isolation and the amount of days we go back to find contact.
++Where is this policy helping most? What do you expect in a full run?

--What role do asymptomatics play (if any)?
---(Only if they don't use the Rt distance slider). We noticed that you didn't adjust the Rt distance slider to adjust the number of trees. Under what circumstances do you think this would be useful?