

Software Engineering Research Project | 2020 Group 9

Weekly Report S1W10

What have I done for the project this week individually?

During this week I continued development on our population model. Josh and I worked collaboratively, pair programming the majority of the implementation, and testing. We worked towards completing the features and issues set out by our Sprint 2 milestone. This included extending the simulation past the point of our sample data, implementing a range of usability and quality of life features such as command line parameters and customisability. Additionally, we also worked on producing some different charts displaying different output factors and formats.

I also participated in a group meeting and discussed ideas regarding introducing migration data, and how we would begin to involve design of experiments. We devised a plan to use a full factorial approach on all the inputs. I began looking into the PyDOE library to see how we would conduct this.

What do I plan to do for the project next week individually?

During the next week I plan to conduct a somewhat formal management phase, where I evaluate the open, and closed issues with respect to the original plans, milestones, and requirements. Performing mergers and updating documentation where necessary. I believe this will be a useful process to do before the upcoming client meeting, as it will allow us to support our progress with evidence.

I plan to prepare the agenda, slides, and demonstration for the upcoming client meeting, and discuss some elements of the upcoming final presentation.

I also plan to continue updating wiki pages including meeting minutes, documentation and project schedules.

List the issues you encountered and give some reasons if applicable...

One slight difficulty we encountered this week was dividing our workload between the group, such that some of us could begin working on the COVID-19 model as planned. This also involved defining a point we wanted to get to with the population model that would provide enough benefit going forward, but not require too much more time. I believe we handled this reasonably well in the end.