

SERP 2020 Group 9: Weekly Report – Joshua Wright**Week 9**

What have I done for the project this week individually?

This week, I did some experimentation on different ways that we can try to get our model to predict future years past the years that we have truth data for. I also contributed to the groups meeting with our client and demonstrated the current progress of our functioning prototype. Along from that I also did some work on the Github repository labelling issues and helping Daniel with parts of the Wiki pages.

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

Throughout next week I want to try and improve on our population simulation to try and get it to take into account the migration truth data to see if it makes our predicted data more accurate. Also, I want to get the program to display graphs better along with trying to get the program to make use of the SimPy libraries. Finally, I want to spend some time tidying up the Github wiki and other related pages so we can more easily refer back to them if we need to.

List the issue you encounter and give reasons if applicable.

This week the only issues were related to a couple of errors with python and failing at runtime. There is a couple of variables that I was trying to modify to be able to calculate predicted populations for years that we do not have a full set of data. I still need to try and work out why this error was occurring, and I think I have an idea of why, but to change this program to use the SimPy library there may need to be a rewrite of the functions to make them compatible.