**Project Meeting – 4 (22/02/2021)**

**(Dr. David Walker)**

**Discussion:**

**• Types of visualisations needed graphs:**

* 3D visualisations? D3 does not out of the box have this, maybe some other solutions; multi-dimensional scaling
* **Multiple plots**
* **Heatmap**
* **Parallel co-ordinate plots**

**• Tools/calculations:**

* Pareto front approximations (how to visualise, calculate on server?)
* Decision/objective space
* Fitness landscape
* Minimising objectives
* Showing relative similarity of solutions
* Explore performance of EAs running in parallel (compare visualisations of EA data running parallel?) (highlight parameters of EAs on the visualisations and the dashboard?)

• **Posting data:**

* Currently thinking websockets or just basic http?
* How quickly is the data sent?
* What type of data?

• make it modular

• visualise pareto fronts (given the solutions from the optimiser)