Project Plan

Title:

* Understanding Demand of PGTAs

Aim:

* To gain insights into the demand of PGTAs for undergraduate courses and better manage PGTA allocations and applications

Objective:

* Review history of PGTAs allocations
* Develop dashboards to present high level overview of PGTAs
* Document findings from datasheets of PGTAs and evaluate their significance

Deliverables:

* A documented and functional dash app showing insights into PGTAs with dashboards and analytical tools

Work Plan:

* Project start to mid-October: Research on frameworks and platform for development.
* Mid-October to mid-December: System design, simple prototypes, system implementation.
* January to February: System implementation, evaluation and testing.
* February to early March: Research on new methods and further analysis.
* Mid-February to end of March: Wrap up and final report.

Ethics review:

* Ethics approval is not required as sensitive data is not collected/accessed in any part of the project

Interim Report:

The progress of the project is documented from the first week to this point in time:

* Week 1: Discussed the context of the project, aims and objectives. Researched on the problem area and solutions around it.
* Week 2: Technology review with considerations of ease of use, freely available, Python-oriented.
* Week 3: Had an overview of how the dataset looks and was briefed on its different components. Discussed ideas of data storing and analysis needed to be performed.
* Week 4: Getting familiarised with selected platforms and understanding the syntax. Plotted a sample graph to get comfortable with developing within the framework.
* Week 5: Plotted a simple graph showing PGTA requested and PGTA recruited, showing modules where demand exceeds expectation.

A link to the project is attached [here](https://github.com/Andrew0000000/Final-Year-Project).

Further Development plan:

* Research on useful statistics to capture/analyse and create plots for those.
* Design and develop UI of the app, allowing easy navigation and viewing.
* Look into ML models if necessary, conducting advanced analysis on datasets of PGTAs to assist in making better-informed decisions.