**Data analyses program**

**Current problem**

The system currently being used for data handling and analyses is excel which can be powerful and useful to use, is often slow and data analyses taken time to set up functions to create results.

**Aim**

The main aim for this program is to allow for .xls files to be analysed through the selections of functions. The data will be shown in table and graph formats, which can then be placed into a report.

**Method**

The method to achieve this aim, is to import .xls work sheets then from a menu functions select what data you want to work with through selection filters, then choose the type of analyse function you would like, then the program will produce the required visualization. There will be an error handling system so if a requirement is selected that cannot be produce an error box will appear with an error comment to choose another function.

**Work Flow**

|  |  |  |
| --- | --- | --- |
| Foundation | Progress | Completion |
| Build an app to read xls / csv files | Enable selection of files, multiple queries, graph types. | Implement into GUI |
| Build a simple GUI to run app | Enable all functions to work with app | Style and arrange to a good standard |

**PYTHON APP**

**GUI with Python App**