**Database and Analytics Programming Project:**

Project Journal drafted by Polina Prinii – x21137757

Fri, Oct 29th:

Team meeting held with a duration of 30 minutes to pitch ideas for project topic. Proposed to cover Covid-19 on a country basis with the aim of analysing impact/spread/vaccination rate and so on.

Team agreed on the idea and countries were assigned to each.

Discussed project objectives such as database and programming language requirements. As well as kicked around the idea of potentially placing our combined data analysis on a dashboard hosted on a webservice, dependant on time available to complete project.

Thu, Nov 4th:

Research conducted around possible dataset to use for project. Duration of about roughly 2 hours.

Identified an appropriate dataset by Our World Data found here: <https://github.com/owid/covid-19-data>

Fri, Nov 5th:

Team meeting held. 30 minutes duration

Discussed the following:

* Journals and the format to submit in.
* Questions around which we required additional clarification from the lecturer.
* Understanding the question our dataset is looking to answer.
* Potential use of AWS
* The challenges behind working locally with our VM's, specifically towards the end of the project where we are looking to connect all 4 DB's for comparative analysis.

Fri, Nov 12th:

Team meeting held. 30 minute duration

Reviewed feedback from lecturer. Conducted a pivot from original theme for the project as clarification around the nature of datasets was received. Understanding is that each dataset must be unique therefore, the use of one dataset split on country basis was a no go.

Alun suggested to stick on the topic of Covid-19. Requested I cover the area around vaccinations.

Reviewed deadlines via Gantt Chart and set a soft deadline of the 5th of Dec for the Code part of the project.

Mon, Nov 15th:

Git repository created and invites extended to the whole team. This took about 30 minutes in total to set up.

Tue, Nov 16th:

Held a Quick Git Demo to get the team familiarised with GitHub. Covered areas such as creating folders and files, committing and pulling to Git through Desktop and the importance of the ReadMe file. Call lasted about 30 minutes.

Thu, Nov 18th:

Refined my section of the Git repository.

Deleted any test files and or folders. Created a README file which outlines the project objectives along with the aim of analysis for the chosen dataset.

Created a Word file to compile the Journal and updated the journal. All changes are reflected in the History section on Git Desktop or commits on git web.

Overall activity took about 2 hours.

Fri, Nov 19th:

Commenced project by setting up appropriate environments for the project via PyCharm the chosen IDE to write code and Oracle VM VirtualBox Manager.

Challenge encountered around the setup of the Python main file which is to responsible for all project code.

As the chosen IDE is PyCharm, the project creation in PyCharm required for the environment to be specified. For PyCharm to connect to my Virtual Machine it is first necessary to have Python installed.

Having identified the correct steps to for installation Python 3.9 was installed on the VM.

Next challenge presented around installing pip package on the virtual machine as it is a necessary pre-requisite to connecting PyCharm to VM.

Work commenced at 5:40pm and concluded at 7:30pm.