ST1G 8995 Capstone Diary

Stephen Farrugia, u873301

Submitted 12 May 2023

Week Commencing 10 April 2023

* Reviewed capstone requirements
* Reviewed Kaggle and ics datasets
* Selected a red wine quality dataset
* Advised Girija that I’d be working solo and using the wine quality dataset

Week Commencing 17 April 2023

* Reviewed the capstone requirements
* Watched the lecture

Week Commencing 24 April 2023

* Implemented the models in Colab
* Found that I didn’t have sufficient resources in Colab so ported the work back to PC Charm
* Generated first pass exploratory data analysis and predictive data analysis
* Created GitHub account and tested upload functionality
* Commenced compiling the capstone report

Week Commencing 1 May 2023

* Commenced work on presentation
* Conducted second pass exploratory data analysis and predictive data analysis back in Colab as it worked much faster and I was able to better isolate the tasks to run
* Developed the desktop GUI for the system using Pycharm
* Researched flask and found that Pycharm community version (the one I was using) did not have the interfaces to flask
* Upgraded to Pycharm Professional

Week Commencing 8 May 2023

* Refined the Colab exploratory data analysis and predictive data analysis
* Refined the desktop GUI for the system using Pycharm
* Developed the Pycharm / flask web-page software
* Finalised presentation
* Finalised compilation of the capstone report