**To do**

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| --- | --- | --- |
| Submit my GitHub URL on moodle | Date: October 11th | DONE |
| Submit the assignment details | October 17th | DONE |
| Submit this ‘To Do’ list | Monday 21st Oct | DONE |
| Submit References | Tuesday 22nd Oct | DONE |
| Download Microsoft Word | Mon 04th Nov | DONE |
| Review project instructions | Tues 05th | DONE |
| Watch 30 minute video on moodle ‘Machine Learning and Statistics: Assessment 2019’ |  | DONE |
| Commence project on Word doc |  | DONE |
| git repository |  | DONE |
| README ﬁle written in Markdown - README should contain a summary of my work and provide instructions as to how to run the jupyter notebook and the web application |  |  |
| jupyter notebook containing my work |  |  |
| Familiarise myself with the well-known Boston House Prices dataset and the Python packages scipy, keras, and jupyter. |  |  |
| Watch videos on Moodle (Introduction to Keras etc) |  |  |
| Review my last submitted repository to refresh my memory on how to work Jupyter |  | DONE |
| Reviewed Ian’s uploaded video and information on Keras on Moodle. Composed my own notes and added to this repository. | 11th Nov | DONE |
| Review my notes on Keras and consider adding them to my README |  |  |
| See if ‘To launch jupyter notebook; CMD > Anaconda Prompt > jupyter notebook’ works |  | N/A |
| Rewatch Ian’s video on moodle which describes how to  add Jupyter Notebook |  | DONE |
| Add Jupyter Notebook |  | DONE |
| Review Ian’s video on the assessment (10mins) |  |  |
| Commence step 1 – Describe (20%) | 26.11.2019 |  |
| I have managed to load the dataset into my Jupyter notebook – now I need to figure out how to ‘use descriptive statistics and plots to describe the Boston House Prices dataset’. I should watch Ian’s videos for instruction on how to complete this. |  |  |
| Commence step 2 – Infer (20%) |  |  |
| Commence step 3 – Predict (60%) |  |  |
| Research good quality ideas online about this dataset |  |  |
| Explain how I got my ideas for this project |  |  |
| Tidy up my repository so it is easy for Ian/ the examiner to review – detail where to find each part of the project. Spell it out in the README which file contains what. |  |  |
| **Due: ~~November 29th, 2019~~ December 13th (Friday)** | December 13th |  |

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| Python | May or may not need to review |  |
| Stochasticism | * Coin flipping – Jupyter notebook containing code * Binominal – not sure what this is * Video: Computing and coin flipping (mentions data vs information) * Coin flipping in python | Reviewed |
| Mathematical models | * I started ‘2 variables in pyplot’ (4mins) | [Website](https://matplotlib.org/3.1.1/tutorials/introductory/pyplot.html) |
| Regression |  |  |
| T-tests |  |  |
| ANOVA |  |  |
| Neural Networks - Keras | Reviewed | I have made notes on this somewhere |
| Training Neural Networks |  |  |
| Tuning neural networks |  |  |
| Assessment | Reviewed |  |