CSC4009: FIP-ML – Assignment 1

**Name**: Jamie McKeown

**Student** **Number**: 40177467

**Email**: jmckeown35@qub.ac.uk

I have chosen to analyse the bias within a **Classification** task using a simple 3 layer neural network based off [1].

<https://machinelearningmastery.com/imbalanced-classification-with-the-adult-income-dataset/>

<https://www.stxnext.com/blog/getting-started-machine-learning-python/>

<https://godatadriven.com/blog/towards-fairness-in-ml-with-adversarial-networks/>

<https://machinelearningmastery.com/evaluate-gradient-boosting-models-xgboost-python/>

<https://machinelearningmastery.com/one-hot-encoding-for-categorical-data/>

<https://www.analyticsvidhya.com/blog/2016/02/complete-guide-parameter-tuning-gradient-boosting-gbm-python/>

<https://towardsdatascience.com/hyperparameter-tuning-the-random-forest-in-python-using-scikit-learn-28d2aa77dd74>