**Decision Tree Regressor**

A decision tree regressor was trained on the standardised data training set (70/30 split). It scored a mean square error of 55.06 when applied to the respective test set.

The approach of using decision tree regression was also pitted against k-fold validation using 5 ‘folds’ and the mean square error as the evaluation metric. The mean square errors were as follows: 37.66. 44.80, 33.37, 14.36, 28.76, with a mean of 31.79.

**ANN (Regression)**

An ANN with two hidden layers of six nodes each was trained on the standardised data training set (70/30 split). It scored a mean square error of 112.97 when applied to the respective test set.

A much larger ANN was also trained on the training set with four hidden layers with respectively twenty, thirty, thirty, and twenty nodes. It interestingly scored a higher mean square error – than the simpler neural network – of 1561.31.

ANN’s with two hidden layers of six nodes were also pitted against k-fold validation using 5 ‘folds’ and the mean square error as the evaluation metric. The mean square errors were as follows: 25.21. 20.79, 22.84, 7.82, 11.38, with a mean of 17.60.