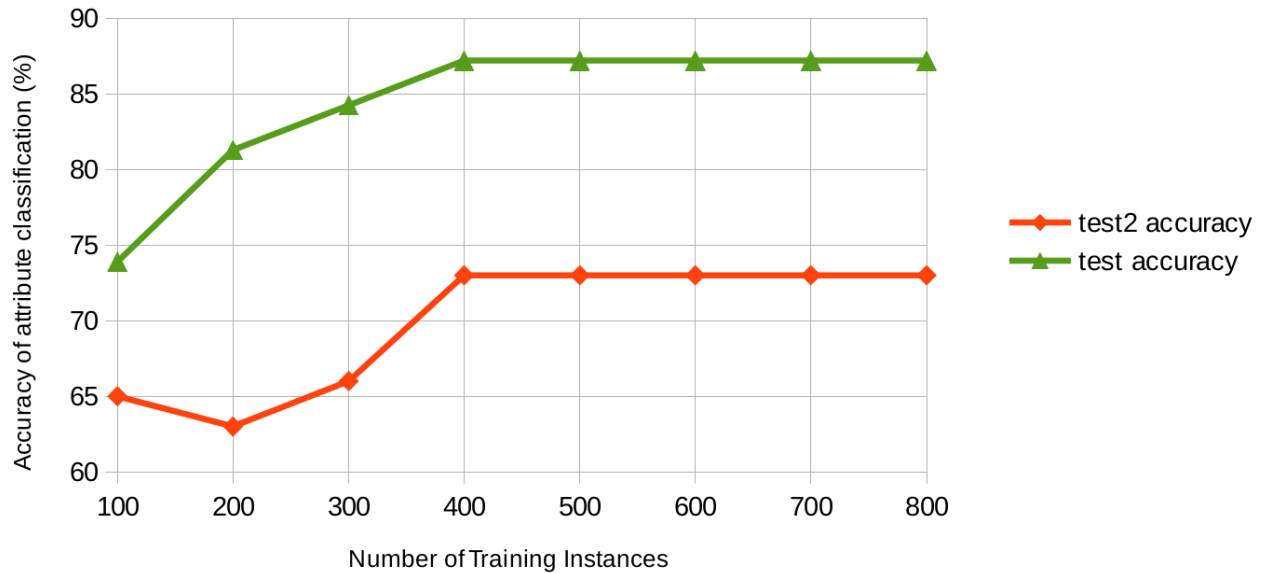


Number of Training Instances Vs. Classification Accuracy



As expected, when there is little training accuracy, the accuracy is low. As more instances are used to build the decision tree, the accuracy of its classification increases. However, eventually we reach a sweet spot in which the accuracy of the training instances stops increasing as more training instances are being used to build the tree. Interestingly enough, this leveling off happens at the same number of training instances for each test set, 400.