



Figure caption

Figure 1a (left panel). shows coloured patterns for each activity, the acceleration on Z axis is taking as a sample, but patterns are recurring across most of the variables in the dataset, suggesting they all contribute to the statistical models.

Figure 1b (central panel). shows the number of misclassifications for a prediction tree trained on a large dataset, suggesting that it is reasonable to prune it at depth 6.

Figure 1c (right panel). shows the simplified structure of the pruned tree with the relevant variables used for the classification (we need to use variable names here since it is structure to the tree).