Report of Rules-based classifier projet

Group 2

Idea for the model:

We started by scanning the visualisations of data and at first at attempt we tried to find one feature that can best separate the data into 2 classes using appropriate threshold and we recorded the accuracy of that, on the second attempts we went for combining 2 features together using addition and multiplication and threshold for each condition until we settled for one condition that best splits the training data into the right classes.
At some point we classified the data using feature one and tried to fit the misclassified samples using the least correlated feature with feature one so that the second conditions will not revert the first condition's classifications but that did not pay out.