

My model, which is a MLPClassifier neural net as we are trying to predict 0 or 1, would be almost perfect if I used the whole data to train my model because it predicts that everyone is alive. But I used a subset where I got a bunch of dead ones and a bunch of alive ones and trained on those. Otherwise if I train on the whole data set it predicts

PR-AUC Score: 0.6547867558456871 all of his models on the study cohort and the primary cohort does better. Roc AUC : 0.6405040835009896 mine does better on the selected subset of data for some of rows and columns in table 5 such as gradient boosting for the study cohort. Tp rate: 0.6551179547922219 mine has higher rate except linear regression and gradient boosting.

TN rate: 0.22697660645543383 gradient boosting in the study cohort is the only one with a lower rate.

PPV:0.7135806531216583 worse than all his models for both study and primary.

NPV:0.5674275138803208 my NPV is better at detecting negatives.

MCC:0.28114776476327313 Mine is better than all of his as it is higher.

F₁ score:0.5682688743358458

This is lower than all of them except linear svm. So it's worse based on this metric so it's only better than linear SVM in terms of correction.

accuracy:0.6551179547922219

Linear SVM , RADICAL SVM and Naive bayes are the only ones that does worse everything else is more accurate for both the study and primary cohort.