

REPORT

Lab6.Predictive Analytics for Hospitals

In this lab we have to perform same logic which we have done in previous lab diabetic prediction. But in this case a small change in target variables.

Build a LoR model and perform prediction on single and multiple independent variables. Then here we perform forward selection procedure to find and select a good set of features with the best AUC score.

Then we are creating a function to calculate AUC for certain set of variables. First will create `get_auc ()` function that should calculate the auc score for given variables in that function.

Similarly, we create `best_next ()` function that should return best variable in combination with current variables. Then plotting AUC scores for variables also for gain curves and life curves.