Work package:

* Performance measures:
  + get accuracy (already implemented)
  + confusion matrix (can use in-built r function)
  + roc curve plotting
* data cleaning
* feature engineering
* ML modelling
* Surgery style
* Requirements on Friday’s submission
* For your feature selection and feature engineering, encapsulate them in a function in the following form:
  + fe\_modelname(x) 🡪 dataframe, (replace modelname with the name of your model, this function takes an input dataframe x and returns another dataframe that goes through your feature selection and feature engineering.
* For your ML modelling, encapsulate the codes in a function in the following form:
  + train\_modelname(x, y) 🡪model, (replace modelname with the name of your model, this function takes a feature dataframe x and a target vector y as inputs, and returns your trained model.
* For your predictions, encapsulate the codes in a function in the following form:
  + predict\_modelname(x) 🡪 vector, (replace modelname with the name of your model, this function takes a feature dataframe x and returns a prediction vector.