MinimalExample Benchmark

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library(mlr)

## Loading required package: ParamHelpers

setwd("Z:/Raphael/GiHub/IBE\_Benchmark-OpenML")  
load("Rapport/task.list.RData")  
  
# learners  
lrn.classif.lr = makeLearner("classif.logreg", predict.type = "prob", fix.factors.prediction = TRUE) # stats package  
lrn.classif.rf = makeLearner("classif.randomForest", predict.type = "prob", fix.factors.prediction = TRUE) # randomForest package  
lrn.list = list(lrn.classif.lr, lrn.classif.rf)   
  
# measures  
measures = list(acc, brier, timetrain, auc, logloss)  
  
# Resampling method  
rdesc = makeResampleDesc("RepCV", folds = 5, reps = 10, stratify = TRUE)  
  
# launch the benchmark  
configureMlr(on.learner.error = "warn", show.learner.output = FALSE)  
bmr = benchmark(lrn.list, task.list, rdesc, measures, keep.pred = FALSE, models = FALSE, show.info = FALSE)

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bmr

## task.id learner.id acc.test.mean brier.test.mean  
## 1 dataset 713 classif.logreg 0.7957576 0.1448105  
## 2 dataset 713 classif.randomForest 0.7988687 0.1675582  
## 3 dataset 905 classif.logreg 0.8417460 0.1395720  
## 4 dataset 905 classif.randomForest 0.7895635 0.1513554  
## timetrain.test.mean auc.test.mean logloss.test.mean  
## 1 0.0032 0.8729667 0.4795139  
## 2 0.0116 0.8324000 1.0261318  
## 3 0.0032 0.8261111 0.8000606  
## 4 0.0108 0.7963889 1.8222635