04. Wizualizacje

Przydatne linki:

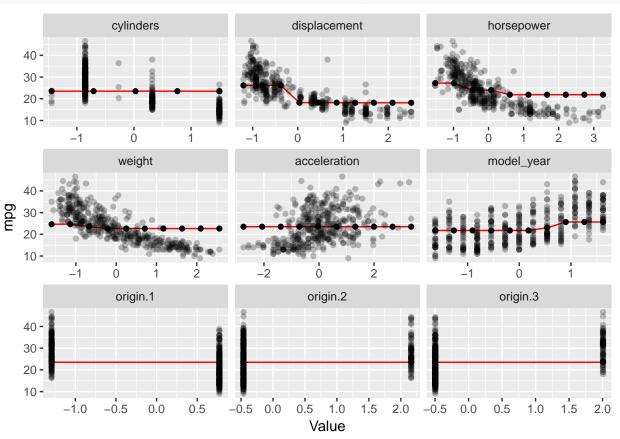
 $\bullet \ \ https://mlr-org.github.io/mlr-tutorial/release/html/visualization/index.html\#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function/index.html#available-generation-and-plotting-function-and-plot$

Wizualizacje dla zadania autoMpg

Wpływ poszczególnych zmiennych na model

```
autoMpgTask = readRDS('data/01_task.RDS')

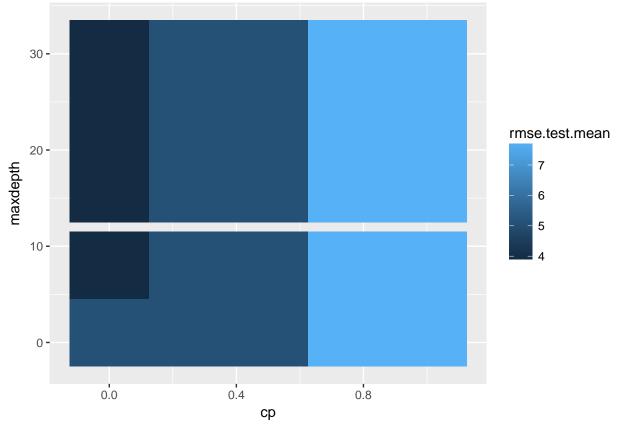
pd = generatePartialDependenceData(train('regr.rpart', autoMpgTask), autoMpgTask)
plotPartialDependence(pd, data = getTaskData(autoMpgTask))
```



Wpływ wartości hiperparametrów na model

```
rpartLearner <- makeLearner('regr.rpart')

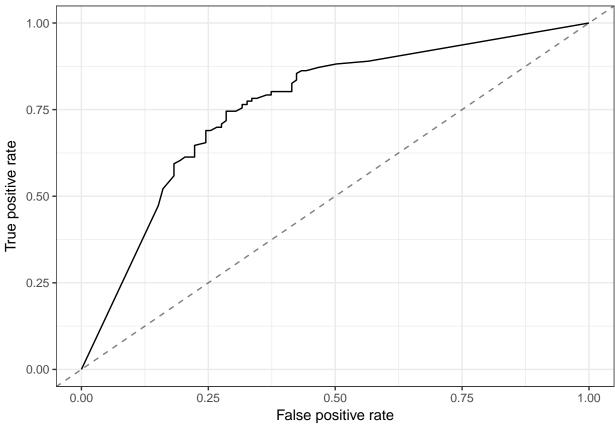
originalParamSet <- getParamSet(rpartLearner)
ps <- makeParamSet(
  originalParamSet$pars$cp,
  originalParamSet$pars$maxdepth</pre>
```



Wizualizacje dla zadania sonar

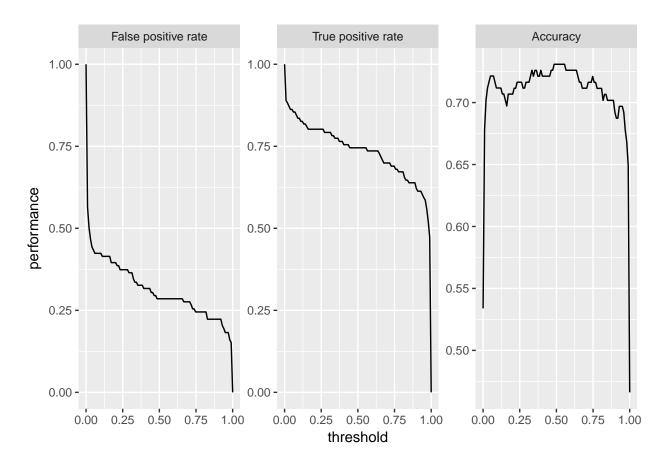
Krzywa ROC

```
df = generateThreshVsPerfData(results, measures = list(fpr, tpr, acc))
plotROCCurves(df) + theme_bw()
```



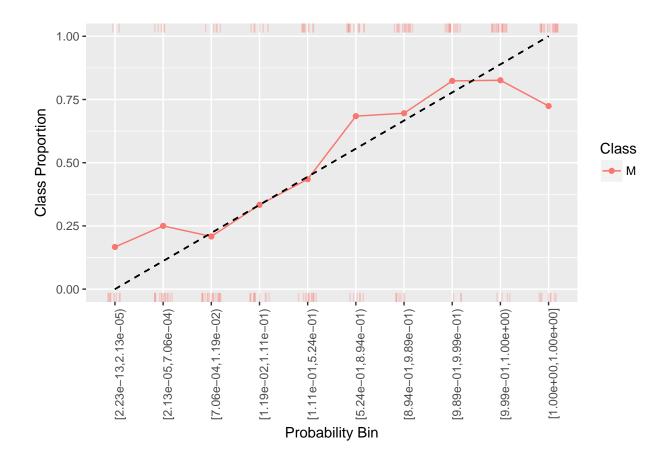
Miary jakości, a wartość progu

plotThreshVsPerf(df)



Kalibracja klasyfikatora

```
cal = generateCalibrationData(results, groups = 10)
plotCalibration(cal)
```



Krzywe uczenia

```
r = generateLearningCurveData(
  learners = lrn,
  task = sonar.task,
  percs = seq(0.1, 1, by = 0.05),
  measures = list(acc, tp, fp),
  resampling = makeResampleDesc(method = "CV", iters = 5),
  show.info = FALSE)
plotLearningCurve(r)
```

