# Practical Machine Learning - Week 2

##### Caret Package

* preProcess
* Data splitting
  + createDataPartition
  + createResample
  + createTimeSlices
* Training/testing functions
* Confusion matrix

##### MAchine learning algorithms: unify the prediction process, integrate most of the algorithms

# library(caret)  
# library(kernlab)  
# data(spam)  
# inTrain = createDataPartition(y=spam$type,p=0.75,list=F)  
# training = spam[inTrian,]  
# testing = spam[-inTrain,]  
# dim(training)