## BARBELL LIFTS MODEL payse such a conducted to determine how the habited lifts are done, based on data get from accelerancies on the balk, forware, aim, and dumbel. "Statistication note" was based using decision these and nation from the processing data on a "MoC light man and one or 7). International data and the processing of basing data. They proceed by 7%, "Safing 36%." cross validation was conducted using them annotes manuface, and the out of sample error is estimated by everage of they model. cross validation was conducted using them annotes manuface, and the out of sample error is estimated by everage of the model and cross validation was conducted using them annotes manuface, and the out of sample error is estimated by everage of the model and cross validation was conducted using them annotes annotes and the sample of the ## warning: package 'rattle' was built under R version 3.1.1 ## Rattle: A free graphical interface for data mining with R. ## versi'on 3.1.0 copyright (c) 2005-2014 Togaware Pty Ltd. ## Escriba 'rattle()' para agitar, sacudir y rotar sus datos ## Loading required package: lattice ## Loading required package: ggplot2 ## Loading required package: grid ## Loading required package: survival ## Loading required package: splines ## Attaching package: 'Nmisc' ## The following objects are masked from 'package:base' ## format.pval, round.POSIXt, trunc.POSIXt, units ## Attaching package: 'psych' ## Attaching package: 'psych' ## The following object is masked from 'package:meisc': ### describe ### the following object is masked from 'package:gaplot2': ### 3%A setwd("-/Coursera/bata science/Practical Machine Learning/projectl") trainingsetDR <- read.csv("pml-training.csv") testingSetDR <- read.csv("pml-testing.csv") Treatings - Krainingstiftcassack.] Macrizin(class. ., distartiating, asthod-rFT, proximits) AAX(pp. value to class ... for ploting purposes AAX(pp. value to class ... for ploting 00qplot(trainingPlotSx,trainingPlotSnum, colour=trainingPlotSuser\_name, data=trainingPlot, main="Classe in Numbers: A=1, s=2, C=3, D=4, E=5") Modelling: 3 random models for cross validation confusionMatrix(testingSclasse, predict(modFit1, newdata=testing)) 8 model 2 trainingus2 = createcataPartítion(yetrainingset\$classe, p=0.70,1ist=FALSE) 870% for training training2 = trainingset[training2et] testing2 = trainingset[training2et]. $\label{eq:modifit2} $$ \operatorname{modifit2} < \operatorname{train(classe} - ... \operatorname{method:"rpart", data-training2)} $$ $$ \operatorname{Acommented} $$ for publishing results $$ \operatorname{confusionMatrix(testing2Sclasse, predict(modfit2, newdata-testing2))} $$$ ## Statistics by Class: A Class: B Class: C Class: D Class: B ## Sensitivity C Class: B Class: B Class: C Class: D Class: B ## Sensitivity C Class: B Class: D Class: D Class: B ## Sensitivity C Class: D Class:

1 de 2 7/27/14 1:09 AM

2 de 2 7/27/14 1:09 AM