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#Linear Discriminant Analysis Method 1
library(MASS)
library(mlbench)
data("PimaIndiansDiabetes")
fit=lda(diabetes~., data=PimaIndiansDiabetes)
print(fit)
summary(fit)
predictions=predict(fit, PimaIndiansDiabetes[,1:8])$class
table(predictions, PimaIndiansDiabetes$diabetes)
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#Linear Discriminant Analysis Method 2
library(caret)
library(mlbench)
data("PimaIndiansDiabetes")
set.seed(7)
trainControl=trainControl(method="cv", number=5)
fit.lda=train(diabetes~., data=PimaIndiansDiabetes, method="lda",
metric="Accuracy", preProcess=c("center","scale"),
trControl=trainControl)
print(fit.lda)
summary(fit.lda)
```