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Exercises 4/6

For exercise 4, I don't really know where to start in the first part, and the second part yields an error that says 'train' and 'class' have different lengths.

I'm not really sure how to do exercise 6 either, I wrote lda(Species~Sepal.Width+Sepal.Length,data=iris), which yields the following (which I am not sure is correct):

Call:

lda(Species ~ Sepal.Width + Sepal.Length, data = iris)

Prior probabilities of groups:

setosa versicolor virginica

Group means:

Sepal.Width Sepal.Length

setosa 3.428 5.006 versicolor 2.770 5.936 6.588 virginica 2.974

Coefficients of linear discriminants:

LD1 LD2

Sepal.Width 2.768109 -2.0960764 Sepal.Length -2.141178 -0.8152721

Proportion of trace:

LD1 LD2 0.9628 0.0372

For the confusion matrix I tried to read ??confusionMatrix (from the "caret" package) but it's pretty confusing to me.

hw1

Edit

good question 0

Updated 4 years ago by Charles Hwang

the students' answer, where students collectively construct a single answer

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Save your model:

Saved name <- Ida(species~...)

Then make predictions with the testing data: Saved_predictions <- predict(saved_name, data=testing data) In this example, the testing data is basically a grid of points to create the boundaries. Confusion matrix is just a table: Table(Training, testing) to see if the predictions match the actuals. Feel free to look at what I did, my stuff is saved in my github. Search github users for AlexRblohm, then find the repo and file. I hope that helps! ~ An instructor (Gregory J. Matthews) endorsed this answer ~ undo thanks 2 Edit Updated 4 years ago by Alex Blohm followup discussions for lingering questions and comments Actions ▼ Unresolved Resolved @8_f1 (=) Charles Hwang 4 years ago Thank you so much for the GitHub repositories. You are truly a lifesaver. I know the error I had for #4 wasn't unique and I think I had a command or two off in #6. Do you know for #5 why geom point() needs to be added to the end? I know without it there is no data plotted, I just don't really understand why it works that way and why nothing needs to be invoked inside it. helpful! 0 Reply to this followup discussion @8_f2 👄 Resolved Unresolved Alex Blohm 4 years ago The ggplot is like setting up the graph (think like creating the axes), geom_pts() adds the actual points to the graph. Geom_line() would add a line. I'm not very good at ggplot yet but I'm taking a data camp course on it. Others would be better with this... helpful! 0 Actions ▼ Charles Hwang 4 years ago This makes sense. Thank you! helpful! 0 Reply to this followup discussion

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