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Welcome to Unit 3

Modeling the Expert: An Introduction to Logistic Regression

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The Framingham Heart Study: Evaluating Risk Factors to Save Lives

Lecture Sequence Quick Questions

Election Forecasting: Predicting the Winner Before any Votes are Cast (Recitation)

Assignment 3

Homework due May 10, 2016 at 00:00 UTC

Unit 4: Trees

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Quick Question

(1 point possible)

In R, create a logistic regression model to predict "PoorCare" using the independent variables "StartedOnCombination" and "ProviderCount". Use the training set we created in the previous video to build the model.

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Note: If you haven't already loaded and split the data in R, please run these commands in your R console to load and split the data set. Remember to first navigate to the directory where you have saved "quality.csv".

quality = read.csv("quality.csv")

install.packages("caTools")

library(caTools)

set.seed(88)

split = sample.split(quality\$PoorCare, SplitRatio = 0.75)

qualityTrain = subset(quality, split == TRUE)

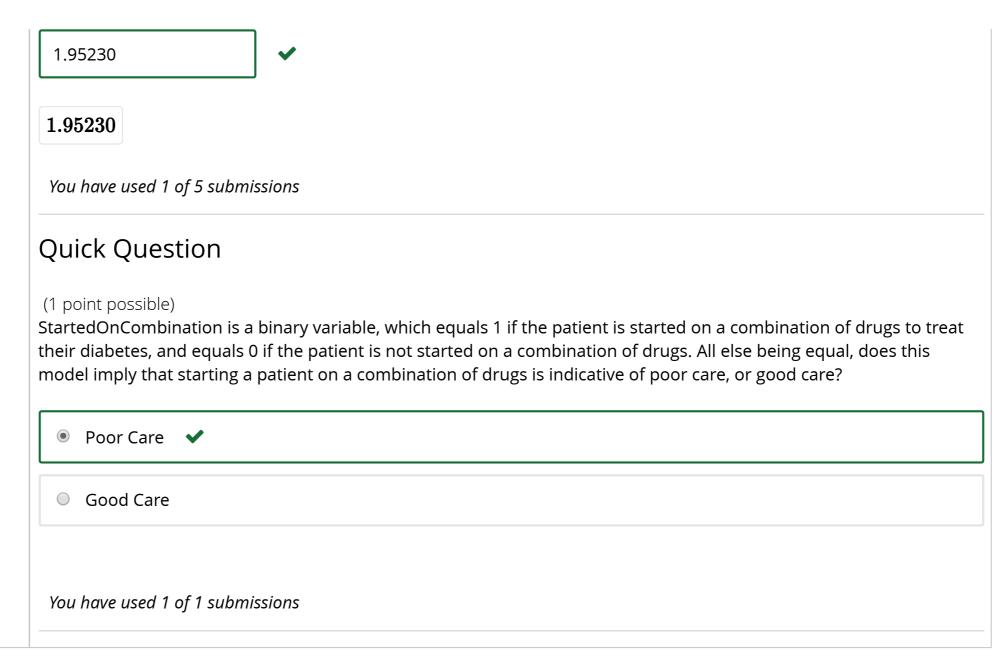
qualityTest = subset(quality, split == FALSE)

Then recall that we built a logistic regression model to predict PoorCare using the R command:

QualityLog = glm(PoorCare ~ OfficeVisits + Narcotics, data=qualityTrain, family=binomial)

You will need to adjust this command to answer this question, and then look at the summary(QualityLog) output.

What is the coefficient for "StartedOnCombination"?



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