# Quick Question

## Quick Question

0/1 point (graded)

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.

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"?

0

✖ **Answer:** 1.95230

**0**

**Explanation**
To construct this model in R, use the command:
Model = glm(PoorCare ~ StartedOnCombination + ProviderCount, data=qualityTrain, family=binomial)
If you look at the output of summary(Model), the value of the coefficient (Estimate) for StartedOnCombination is 1.95230.

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You have used 5 of 5 attempts

Answers are displayed within the problem