



Herzlichen Glückwunsch! Sie haben bestanden!

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Test your knowledge on R functions

GESAMTPUNKTZAHL 3

1. Which of the following functions can a data analyst use to get a statistical summary of their dataset? Select all that apply.

0.75 / 1 Punkt

☒ cor()

✓ Richtig

The sd(), cor(), and mean() functions can provide a statistical summary of the dataset using standard deviation, correlation, and mean.

☒ sd()

✓ Richtig

The sd(), cor(), and mean() functions can provide a statistical summary of the dataset using standard deviation, correlation, and mean.

☐ ggplot2()

☐ mean()

Sie haben nicht alle korrekten Antworten ausgewählt.

2. A data analyst inputs the following command:

1 / 1 Punkt

```
quartet %>% group_by(set) %>% summarize(mean(x), sd(x), mean(y), sd(y), cor(x, y)).
```

Which of the functions in this command can help them determine how strongly related their variables are?

☒ cor(x,y)

☐ sd(y)

☐ sd(x)

☐ mean(y)

✓ Richtig

The cor() function returns the correlation between two variables. This determines how strong the relationship between those two variables is.

3. Fill in the blank: The bias function compares the actual outcome of the data with the ____ outcome to determine whether or not the model is biased.

1 / 1 Punkt

☐ probable

☐ desired

☐ final

☒ predicted

✓ Richtig

The bias function compares the actual outcome of the data with the predicted outcome to determine whether or not the model is biased.