Herzlichen Glückwunsch! Sie haben bestanden!
ZUM BESTEHEN 80 % oder höher

Lernen Sie weiter

BEWERTUNG
87,50 %

Weekly challenge 1

NEUESTE EINREICHUNGSBEWERTUNG
87.5%

1. A data analyst uses words and symbols to give instructions to a computer. What are the words and symbols known as? **1 / 1 Punkt**

- (•) Programming language
- ( ) Coded language
- ( ) Function language
- ( ) Syntax language

Richtig
Programming languages are the words and symbols you use to write instructions for computers to follow.

2. Using a programming language can help you with which aspects of data analysis? Select all that apply. **1 / 1 Punkt**

- [x] Clean your data

Richtig
Using a programming language can help you transform, clean, and visualize your data.

- [x] Transform your data

Richtig
Using a programming language can help you transform, clean, and visualize your data.

- [x] Visualize your data

Richtig
Using a programming language can help you transform, clean, and visualize your data.

- [ ] Ask the right questions about your data

3. Fill in the blank: ____ code is freely available and may be modified and shared by the people who use it. **1 / 1 Punkt**

- ( ) Open-ended
- ( ) Open-access
- (•) Open-source
- ( ) Open-syntax

Richtig
Open source code is freely available and may be modified and shared by the people who use it.

4. Which of the following are benefits of using R for data analysis? Select all that apply. **1 / 1 Punkt**

- [x] Create high-quality data visualizations

Richtig
The benefits of using R for data analysis include the ability to process lots of data, create high quality data visualizations, and reproduce and share an analysis.

- [x] Reproduce and share an analysis

Richtig
The benefits of using R for data analysis include the ability to process lots of data, create high quality data visualizations, and reproduce and share an analysis.

- [ ] Define a problem and ask the right questions
- [x] Process lots of data

Richtig
The benefits of using R for data analysis include the ability to process lots of data, create high quality data visualizations, and reproduce and share an analysis.

5. A team of data analysts is working on a complex analysis. The team needs to quickly process lots of data. They also need to easily reproduce and share every step of their analysis. What should they use for the analysis? **1 / 1 Punkt**

- ( ) A dashboard
- (•) R programming language
- ( ) A database
- ( ) Structured query language

Richtig

They should use the R programming language. R can quickly process lots of data and reproduce and share every step of an analysis.

6. What is a type of application that brings together all the tools a data analyst may want to use in a single place? **1 / 1 Punkt**

- ○ Spreadsheet
- ◉ Integrated development environment
- ○ Database
- ○ Dashboard

✓ **Richtig**
An integrated development environment is a type of application that brings together all the tools a data analyst may want to use in a single place. RStudio is an integrated development environment.

7. In which two parts of RStudio can you execute code? Select all that apply. **1 / 1 Punkt**

- ☑ The source editor pane

✓ **Richtig**
In RStudio, you can execute code in both the R console pane and the source editor pane.

- ☑ The R console pane

✓ **Richtig**
In RStudio, you can execute code in the R console pane and the source editor pane.

- ☐ The environment pane
- ☐ The plots pane

8. In RStudio, where can you find and manage all the data you currently have loaded? **0 / 1 Punkt**

- ◉ Plots tab
- ○ R console pane
- ○ Environment pane
- ○ Source editor pane

✗ **Falsch**
Review the section on RStudio for a refresher.