

# Congratulations! You passed!

TO PASS 80% or higher

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## Weekly challenge 1

LATEST SUBMISSION GRADE

100%

1. Fill in the blank: \_\_\_\_\_ are the words and symbols you use to write instructions for computers.

1 / 1 point

- ☐ Syntax languages
- ☐ Code languages
- ☒ Programming languages
- ☐ Variable languages



**Correct**

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

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

1 / 1 point

☒ Transform your data



**Correct**

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

☐ Ask the right questions about your data

☒ Clean your data



**Correct**

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

☒ Visualize your data



**Correct**

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

3. Which of the following are benefits of open-source code? Select all that apply.

1 / 1 point

☐ Anyone can pay a fee for access to the code

☒ Anyone can use the code for free



**Correct**

The benefits of open-source code include the following: anyone can use the code for free, fix bugs in the code, and create add-on packages for the code.

☒ Anyone can fix bugs in the code



**Correct**

The benefits of open-source code include the following: anyone can use the code for free, fix bugs in the code, and create add-on packages for the code.

☒ Anyone can create an add-on package for the code



**Correct**

The benefits of open-source code include the following: anyone can use the code for free, fix bugs in the code, and create add-on packages for the code.

4. Fill in the blank: The benefits of using \_\_\_\_\_ for data analysis include the ability to quickly process lots of data and create high quality visualizations.

1 / 1 point

☒ the R programming language

☐ a dashboard

☐ structured query language

☐ a spreadsheet



**Correct**

The benefits of using the R programming language for data analysis include the ability to quickly process lots of data and create high quality visualizations.

5. A data analyst needs to quickly create a series of scatterplots to visualize a very large dataset. What should they use for the analysis?

1 / 1 point

- ☒ R programming language
- ☐ A slide presentation
- ☐ A dashboard
- ☐ Structured query language



**Correct**

The analyst should use the R programming language to quickly create a series of scatterplots to visualize a very large dataset. R can quickly process lots of data and create high quality visualizations.

6. RStudio's integrated development environment lets you perform which of the following actions? Select all that apply.

1 / 1 point

☒ Import data from spreadsheets



**Correct**

RStudio's integrated development environment lets you install R packages, import data from spreadsheets, and create data visualizations.

☒ Install R packages



**Correct**

RStudio's integrated development environment lets you install R packages, import data from spreadsheets, and create data visualizations.

☐ Stream online videos

☒ Create data visualizations

✓ **Correct**

RStudio's integrated development environment lets you install R packages, import data from spreadsheets, and create data visualizations.

7. Fill in the blank: When you execute code in the source editor, the code automatically also appears in the \_\_\_\_\_. 1 / 1 point

- ☒ R console
- ☐ environment pane
- ☐ files tab
- ☐ plots tab

✓ **Correct**

When you execute code in the source editor, the code automatically also appears in the R console.

8. Fill in the blank: In RStudio, the \_\_\_\_\_ is where you can find all the data you currently have loaded, and can easily organize and save it. 1 / 1 point

- ☐ R console pane
- ☐ source editor pane
- ☒ environment pane
- ☐ plots pane

✓ **Correct**

In RStudio, the environment pane is where you can find all the data you currently have loaded, and can easily organize and save it.