✓ **Congratulations! You passed!**
TO PASS 80% or higher

[Keep Learning]

GRADE
96.87%

Weekly challenge 1

LATEST SUBMISSION GRADE

96.87%

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

   1 / 1 point

   ○ Code languages

   ○ Variable languages

   ○ Syntax languages

   ⦿ Programming languages

   > ✓ **Correct**
   > Programming languages are the words and symbols you use to write instructions for computers.

2. What are the benefits of using a programming language for data analysis? Select all that apply.

   0.75 / 1 point

   ☑ Easily reproduce and share the analysis

   > ✓ **Correct**
   > The benefits of using a programming language for data analysis include easily reproducing and sharing the analysis, saving time, and clarifying the steps of the analysis.

   ☑ Clarify the steps of the analysis

   > ✓ **Correct**
   > The benefits of using a programming language for data analysis include easily reproducing and sharing the analysis, saving time, and clarifying the steps of the analysis.

   ☑ Automatically clean data

   > ✗ **This should not be selected**
   > Review the video on programming languages for a refresher.

   ☑ Save time

   > ✓ **Correct**
   > The benefits of using a programming language for data analysis include easily reproducing and sharing the analysis, saving time, and clarifying the steps of the analysis.

3. Fill in the blank: _____ code is freely available and may be modified and shared by the people who use it.

   1 / 1 point

   ○ Open-syntax

   ⦿ Open-source

   ○ Open-ended

   ○ Open-access

   > ✓ **Correct**
   > Open source code is freely available and may be modified and shared by the people who use it.

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 spreadsheet

   ○ structured query language

   ○ a dashboard

5. Fill in the blank: A data analyst wants to quickly create visualizations and then share them with a teammate. They can use _____ for the analysis.

1 / 1 point

○ a database

○ a dashboard

○ structured query language

◉ the R programming language

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

1 / 1 point

☑ Create data visualizations

☐ Stream online videos

☑ Import data from spreadsheets

☑ Install R packages

7. A data analyst writes the code `summary(penguins)` in order to show a summary of the penguins dataset. Where in RStudio can the analyst execute the code? Select all that apply.

1 / 1 point

☐ Environment pane

☑ R console pane

☐ Files tab

☑ Source editor pane

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