

✔ Congratulations! You passed!

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1. How do data analysts refer to the words and symbols they use to write instructions for computers?

1 / 1 point

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

1 / 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.

✔ 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.

☐ Automatically choose a topic for analysis

3. What is the term for programming code that is freely available and may be modified and shared by the people who use it?

1 / 1 point

- ☐ Open-ended
- ☒ Open-source
- ☐ Data-centric
- ☐ Open-data

✔ Correct

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 point

☐ Define a problem and ask the right questions

✔ Process lots of data

✔ Correct

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.

✔ Reproduce and share an analysis

✔ Correct

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.

✔ Create high-quality data visualizations

✔ Correct

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 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

- ☐ Structured query language
- ☐ A slide presentation
- ☐ A dashboard
- ☒ R programming 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 includes which of the following? Select all that apply.

1 / 1 point

☐ A viewer for playing videos

☒ An area to manage loaded data

☒ **Correct**

RStudio's environment includes an editor for writing code script, a console for executing commands, and an area to manage loaded data.

☒ An editor for writing code

☒ **Correct**

RStudio's environment includes an editor for writing code script, a console for executing commands, and an area to manage loaded data.

☒ A console for executing commands

☒ **Correct**

RStudio's environment includes an editor for writing code script, a console for executing commands, and an area to manage loaded data.

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

1 / 1 point

☒ The R console pane

☒ **Correct**

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

☐ The plots pane

☐ The environment pane

☒ The source editor pane

☒ **Correct**

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

8. In RStudio, where can you find and manage all the data you currently have loaded?

1 / 1 point

☐ Plots tab

☐ R console pane

☒ Environment pane

☐ Source editor pane

☒ **Correct**

In RStudio, you can find and manage all the data you currently have loaded in the environment pane.