

Chapter 8 Module Quiz

Due 7 Jun at 23:59**Points** 10**Questions** 10**Available** until 12 Jun at 23:59**Time limit** None

Instructions

This is a graded quiz worth 1% of your course grade. The quiz covers the key learning objectives of Chapter 8.

Attempt history

	Attempt	Time	Score
LATEST	Attempt 1	2 minutes	10 out of 10

Score for this quiz: **10** out of 10

Submitted 31 May at 2:58

This attempt took 2 minutes.

Correct!

Question 1

1 / 1 pts

Which one of the following features does Plotly lack?

- ☒ Data manipulation
- ☐ Animation
- ☐ Zooming
- ☐ Hover effects

Question 2

1 / 1 pts

The Plotly equivalent to `geom_point()` is which one of the following?

- ☐ `add_point()`

Correct!

- ☐ add_line()
- ☐ add_trace()
- ☒ add_marker()

Question 3**1 / 1 pts**

Which one of the following aesthetics is used to add basic animation to a plot_ly() data visualisation?

Correct!

- ☒ frame
- ☐ time
- ☐ fill
- ☐ color

Question 4**1 / 1 pts**

Plotly is based on which Javascript library?

Correct!

- ☐ leaflet
- ☐ HTML
- ☐ CSS
- ☒ D3

Question 5**1 / 1 pts**

What does the `ggplotly()` function do?

Correct!

- ☐ Creates a plot in R using the Plotly package.
- ☒ Converts a plot created using `ggplot2` into a Plotly plot.
- ☐ Sends a Plotly plot created in R to the Plotly server for hosting.
- ☐ Converts a plot created using Plotly into a `ggplot2` plot.

Question 6**1 / 1 pts**

Which one of the following interactive features is not available by default using the `plotly()` function?

Correct!

- ☐ Turn on and off variables listed in the legend.
- ☐ Zoom and pan
- ☐ Hover information for data points
- ☒ Linked highlighting across plots

Question 7**1 / 1 pts**

Why do we add interactivity to data visualisation?

Correct!

- ☒ To enhance a good static data visualisation.
- ☐ Why not!

- ☐ To make the data visualisation cool
- ☐ To make a dull visualisation more interesting.

Question 8**1 / 1 pts**

Which one of the following is a serious issue with interactive data visualisation?

- ☐ Interactive features can only be used in complex data visualisations.
- ☐ Interactive data visualisation requires standalone proprietary software.
- ☒ Interactive features can distract the viewer from the main point of the visualisation if not used appropriately.
- ☐ Interactive plots are not needed because a static plot can do everything an interactive plot can do.

Correct!**Question 9****1 / 1 pts**

What is a consideration of publishing Plotly plots?

- ☒ Interactive features are only available when viewed in a web browser.
- ☐ Plotly plots only work in the Google Chrome web browser.
- ☐ Plotly plots cannot be published in a static format.
- ☐ Requires specialised software to host online.

Correct!

Question 10**1 / 1 pts**

Which one of the following interactive features does Plotly lack?

☐ Menu buttons

☐ Slider bars

☐ Animation

☒ The ability for the user to upload their own data

Correct!**Quiz score: 10 out of 10**