



Congratulations! You passed!

TO PASS 80% or higher

Keep Learning

GRADE
100%

Spatial Figures Quiz

TOTAL POINTS 10

1. What geom is used to draw geographic borders using ggplot?

1 / 1 point

- ☐ geom_map()
- ☒ geom_polygon()
- ☐ geom_spatial()



Correct

Correct!

2. What aesthetic do you use to select the variable for painting in a choropleth?

1 / 1 point

- ☐ color
- ☐ shape
- ☒ fill
- ☐ map



Correct

Correct!

3. What geom is used to place points on a map using latitude and longitude data?

1 / 1 point

- ☐ geom_bubble()
- ☒ geom_point()
- ☐ geom_area()
- ☐ geom_spatial()



Correct

Correct!

4. When you want to use a .geojson or .shp file to draw a simple features map, what should you do with other files that might be associated with those files when you download the data?

1 / 1 point

- ☐ You can ignore them - all the information you need is in the .geojson or .shp files.
- ☒ Make sure all of those files are in the working directory along with the .shp or .geojson file.



Correct

Correct.

- ☐ Import all of those files into R using the appropriate commands.

5. What R package do you need to draw Simple Features maps with R in conjunction with ggplot?

1 / 1 point

- ☐ simplefeatures
- ☒ sf



Correct

Correct!

- ☐ maps
- ☐ rmaps

6. What geom is used to draw maps using simple features data?

1 / 1 point

- ☐ geom_polygon()
- ☐ geom_map()
- ☒ geom_sf()

✓ **Correct**
Correct!

7. Which of these most accurately describes how to fill in the colors for a choropleth made with simple features data?

1 / 1 point

- ☐ Set the fill_sf aesthetic in the geom for the corresponding variable.
- ☐ Set the color_sf aesthetic in the geom for the corresponding variable.
- ☒ Set the fill aesthetic in the geom for the corresponding variable.

✓ **Correct**
Correct!

8. What is the best practice for adding labels to points in a bubbleplot made with simple features data?

1 / 1 point

- ☐ Use geom_label and make sure you set the spacing option to "high".
- ☒ Use geom_text_repel, using the spatial data and the label aesthetic mapping.
- ☐ Use geom_text, using the spatial data and the label aesthetic mapping.

✓ **Correct**
Correct!

9. What is the advantage of the usa_sf() data?

1 / 1 point

- ☐ It will minimize distortion from north to south
- ☐ It uses the most updated latitude and longitude information for localities.
- ☒ It will put Alaska and Hawaii in the same map as the continental US.

✓ **Correct**
Correct!

10. Is it better to use a .shp file or .geojson file?

1 / 1 point

- ☒ Either
- ☐ .shp
- ☐ .geojson

✓ **Correct**
Correct. Both are equally fine data sources. Which you use depends on the format in which the data are available.