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Graded Quiz

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1. You added text labels to the data points on your plot, but now the plot looks messy because there are so many of them. What should you do?

1 / 1 point

- ☐ Set the **overlap** parameter of **geom_text()** to TRUE.
- ☐ Set the **overlap** parameter of **geom_text()** to FALSE.
- ☒ Set the **check_overlap** parameter of **geom_text()** to TRUE.
- ☐ Set the **check_overlap** parameter of **geom_text()** to FALSE.

✓ Correct

To simplify the plot, you can remove the overlapping text by setting the **check_overlap** parameter of **geom_text()** to TRUE.

2. If you do not specify a theme when creating a plot with ggplot2, which theme does it use by default?

1 / 1 point

- ☐ **theme_minimal()**
- ☒ **theme_gray()**
- ☐ **theme_classic()**
- ☐ **theme_light()**

✓ Correct

The **theme_gray()** theme is the default used by all plots unless otherwise specified.

3. Using themes, you can change the colors and styles of the borders, backgrounds, lines, and text on a plot. What should you do if you want to completely remove one of these elements from the theme?

1 / 1 point

- ☒ Assign the **element.blank()** function to the element.
- ☐ Assign the **element.empty()** function to the element.
- ☐ Assign the **element.delete()** function to the element.
- ☐ Assign the **element.remove()** function to the element.

✓ Correct

The **element.blank()** function completely removes the element from the plot.

4. In a Leaflet map, which two statements describe the difference between the **addCircles()** and **addCircleMarkers()** functions?

1 / 1 point

- ☒ Markers created with **addCircles()** can be rescaled.

✓ Correct

Markers created with **addCircles()** can be rescaled with the whole map when you zoom in or out.

- ☐ Markers created with **addCircleMarkers()** can be rescaled.
- ☐ Markers created with **addCircles()** remain a constant size.
- ☒ Markers created with **addCircleMarkers()** remain a constant size.

✓ Correct

Markers created with **addCircleMarkers()** remain a constant size on the screen regardless of zoom level.