✅ **Congratulations! You passed!**

Grade received 100%   To pass 66% or higher

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Graded Quiz

Latest Submission Grade 100%

1. In a scatter plot, what is the best way to change the color of the points based on a categorical variable?

   1 / 1 point

   ○ Assign the variable to the "color" argument of the **aes()** function within the **ggplot()** function.

   ○ Convert the categorical variable to a factor and then assign it to the "color" argument of the **geom_point()** function.

   ○ Assign the variable to the "color" argument of the **geom_point()** function.

   ⊙ Convert the categorical variable to a factor and then assign it to the "color" argument of the **aes()** function within the **ggplot()** function.

   ⊘ **Correct**
   By converting the categorical variable to a factor and then assigning it to the "color" argument of the **aes()** function, the **ggplot()** function will assign a different color based on each variable category.

2. Which plot type helps you visualize time series data?

   1 / 1 point

   ⊙ Line plots

   ○ Box plots

   ○ Scatter plots

   ○ Histograms

   ⊘ **Correct**
   Line plots help you visualize time series data.

3. In a box plot, in which quartile does 50% of the sorted data fall below?

   1 / 1 point

   ○ First quartile

   ⊙ Second quartile

   ○ Third quartile

   ○ Fourth quartile

   ⊘ **Correct**
   The median is effectively the second quartile, so 50% of the data falls below this value.