

## **Congratulations! You passed!**

Next Item



1/1 points

Under the lattice graphics system, what do the primary plotting functions like xyplot() and bwplot() return?

an object of class "trellis"

## Correct

- an object of class "plot"
  - nothing; only a plot is made
- an object of class "lattice"



1/1 points

What is produced by the following code?

- library(nlme)
  - library(lattice)
- xyplot(weight ~ Time | Diet, BodyWeight)
- A set of 3 panels showing the relationship between weight and time for each rat.
- A set of 3 panels showing the relationship between weight and time for each diet.

## Correct

- A set of 11 panels showing the relationship between weight and diet for each time.
- A set of 16 panels showing the relationship between weight and time for each rat.

Which of the following functions can be used to annotate the panels in a multi-panel lattice plot?    lines()	annot	mizing axis labels or adding titles. Different plotting systems have different sets of functions for ating plots in this way.
Correct  axis() points() text()  4. The following code does NOT result in a plot appearing on the screen device.  1 library(lattice) 2 library(dattasets) 3 data(atquality) 4 p <- xyplot(Ozone ~ Wind   factor(Month), data = airquality)   Which of the following is an explanation for why no plot appears?  The variables being plotted are not found in that dataset.  The object 'p' has not yet been printed with the appropriate print method.  Correct  The xyplot() function, by default, sends plots to the PDF device.	Which	of the following functions can be used to annotate the panels in a multi-panel lattice plot?
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In the lattice system, which of the following functions can be used to finely control the appearance of all lattice plots?



Correct						
	par()					
	splom()					
<b>~</b>	1/1 points					
6.						
What is	s ggplot2 an implementation of?					
0	the Grammar of Graphics developed by Leland Wilkinson					
Corr	ect					
	a 3D visualization system					
	the base plotting system in R					
	the S language originally developed by Bell Labs					
7. Load tl	1 / 1 points he `airquality' dataset form the datasets package in R					
1 2	library(datasets) data(airquality)					
	terested in examining how the relationship between ozone and wind speed varies across each . What would be the appropriate code to visualize that using ggplot2?					
	1 qplot(Wind, Ozone, data = airquality, geom = "smooth")					
0	<pre>1 airquality = transform(airquality, Month = factor(Month)) 2 aplot(Wind, Ozone, data = airquality, facets = . ~ Month)</pre>					

Correct

questior	ns	10/10 point
	1 qplot(Wind, Ozone, data = airquality)	
<b>~</b>	1 / 1 points	
0		
8. What is	s a <b>geom</b> in the ggplot2 system?	
	a method for making conditioning plots	
0	a plotting object like point, line, or other shape	
Corr	ect	
	a method for mapping data to attributes like color and size	
	a statistical transformation	
<b>~</b>	1 / 1 points	
9.		
	I run the following code I get an error:	
1	library(ggplot2)	
2	<pre>library(ggplot2movies) g &lt;- ggplot(movies, aes(votes, rating))</pre>	
	print(g)	
l was e	expecting a scatterplot of 'votes' and 'rating' to appear. What's the problem?	
	There is a syntax error in the call to ggplot.	
	The object 'g' does not have a print method.	
	The dataset is too large and hence cannot be plotted to the screen.	
0	ggplot does not yet know what type of layer to add to the plot.	

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<u>_</u>	_	

10. Week Re Quiz, 10 questiags. After loading the ggplot2 package with the library() function, I can run

1 qplot(votes, rating, data = movies)							
How can I modify the the code above to add a smoother to the scatterplot?							
	<pre>1</pre>						
	<pre>1</pre>						
	1 qplot(votes, rating, data = movies) + stats_smooth("loess")						
0	<pre>1</pre>						

Correct





