



Microsoft: DAT209x Programming in R for Data Science



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Bookmark

Question 1

(1/1 point)

You want to plot the gross horsepower (hp) against 1/4 mile time (qsec) from the motor trend card road tests data (mtcars) and add a linear model fitted against the data.

Which command should you use?


- ☐ `qplot(hp, qsec, data=mtcars)`
- ☐ `qplot(hp, qsec, data=mtcars, geom=c("point", "smooth"))`
- ☒ `qplot(hp, qsec, data=mtcars, geom=c("point", "smooth"), method="lm")` ✓
- ☐ `qplot(hp, qsec, data=mtcars, geom=c("point"), method="lm")`

EXPLANATION


- ▶ 8. Working with Data
- ▶ 9. Manipulating Data
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Lecture

Knowledge Checks

Quiz due Jun 27, 2016 at 23:30 UTC 

Lab

Lab due Jun 27, 2016 at 23:30 UTC 

- ▶ Course Wrap-up

You have used 1 of 2 submissions

Question 2

(1/1 point)

You want to plot the gross horsepower (hp) against 1/4 mile time (qsec) from the motor trend card road tests data (mtcars) and fit a linear model against the data. You want to identify the different number of cylinders (cyl) each car has in the plot.

Which two parameters could you define to do that?

☒ color 

☒ facets 

☐ log

☐ Main



Note: Make sure you select all of the correct options—there may be more than one!

EXPLANATION

You have used 1 of 2 submissions

Question 3

(1/1 point)

You want to plot the gross horsepower (hp) against 1/4 mile time (qsec) from the motor trend card road tests data (mtcars) and fit a linear model against the data.

Which command should you use?

	<pre>p <- ggplot(data= mtcars)</pre>	
<pre>p <- p + aes(x = qsec, y = hp)</pre>		
	<pre>p <- p + geom_point() + geom_smooth h(method="lm")</pre>	
<pre>p</pre>		

	<pre>p <- qplot(data=mtcars)</pre>	<pre>p <- p + qplot(geom=c ("point","smooth"), method="lm")</pre>	
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Note: If you have dragged an answer to a box and then wish to change your selection, you must first drag the answer out of the box before dragging in a new one.

You have used 1 of 2 submissions

Question 4

(1/1 point)

Consider the `airquality` dataset. Which two commands you could use to generate histograms of the Temp data?

☐ `hist(Temp, data=airquality, breaks=10)`

☒ `hist(airquality$Temp, breaks=10)` ✓

☒ `qplot(Temp, data=airquality, binwidth=5)` ✓

☐ `qplot(airquality$Temp, binwidth=5)`



Note: Make sure you select all of the correct options—there may be more than one!

EXPLANATION

You have used 1 of 2 submissions

Question 5

(1/1 point)

Consider the following code.blem as a model.

```
x<-rnorm(1000, mean=-5)
plot(density(x))
```

Which two commands could you use to generate similar plot using the ggplot2 package?

☐ ggplot(data=x) + geom_density()

☒ ggplot() + aes(x = x) + geom_density() ✓

☐ qplot(x)

☒ qplot(x, geom = "density") ✓



Note: Make sure you select all of the correct options—there may be more than one!

EXPLANATION

You have used 1 of 2 submissions

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