



Microsoft: DAT209x Programming in R for Data Science



Bookmarks

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Bookmark

Question 1

(1/1 point)

Which line do you find most likely to be `rnorm(3, mean=2, sd=1)` command?☐ 3.373546 4.183643 3.164371☒ 1.373546 2.183643 1.164371 ✓☐ 5.373546 6.183643 5.164371☐ -2.626454 -1.816357 -2.835629


EXPLANATION

You have used 1 of 2 submissions


- ▶ 8. Working with 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 

- ▶ 11. Linear Models
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- ▶ Course Wrap-up

Question 2

(1/1 point)

What number should you use in the `set.seed()` function in order to make your code reproducible?

- ☐ Any small number below 100
- ☐ Any number divisible by 10
- ☒ Any number as long as you are using the same number the next time you run the `set.seed()` function 
- ☐ Any number above 100

EXPLANATION

You have used 1 of 2 submissions

Question 3

(1/1 point)

You are examining the following code.

```
n<-1000
doone <- function(){
  x<-rbinom(1,50,1/6)
  p<-x/50
  p
}
p.sim<-replicate(n,doone())
```

Which two options describe the result of p.sim if you change the value of n to be 10000?

☐ The number of elements of p.sim will remain the same.

☒ The number of elements of p.sim increase ten-folds. ✓

☒ The mean of p.sim will get closer to 1/6. ✓

☐ The mean of p.sim will get closer to 50.



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

EXPLANATION

You have used 1 of 2 submissions

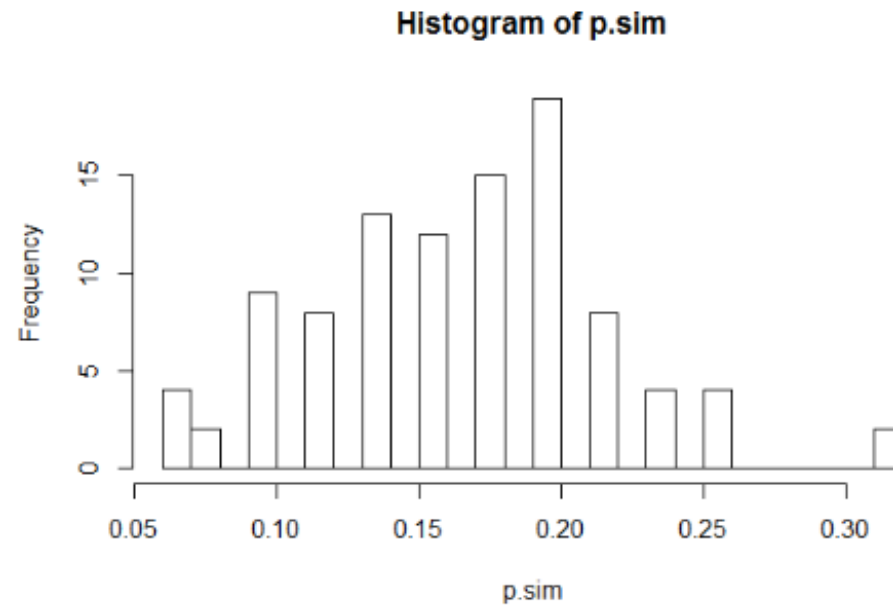
Question 4

(1/1 point)

You are examining the following code.

```
doone <- function(){  
  x<-rbinom(1,50,1/6)  
  p<-x/50  
  p  
}  
p.sim<-replicate(n,doone())  
hist(p.sim,breaks=20)
```

The resulting plot is shown as follows:



Which is the most likely value of n ?

☒ 100 ✓

☐ 1000

☐ 10000

☐ 100000

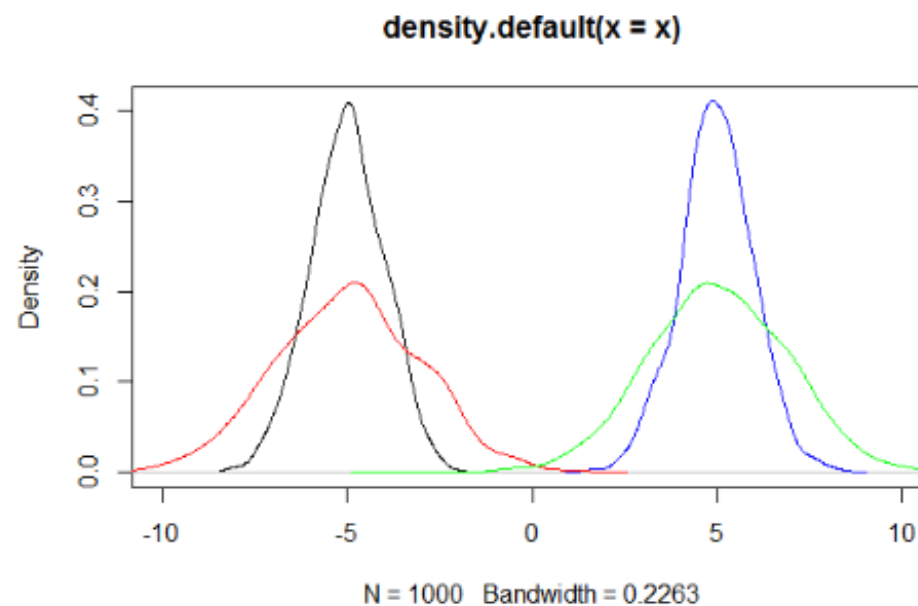
EXPLANATION

You have used 1 of 2 submissions

Question 5

(1/1 point)

You are examining the following plot.



Which command would simulate the distribution colored green?

- ☐ `rnorm(1000)`
- ☐ `rnorm(1000, sd=2)`
- ☐ `rnorm(1000, mean=5)`
- ☒ `rnorm(1000, mean=5, sd=2)` ✓

EXPLANATION

You have used 1 of 2 submissions

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