Congratulations! You passed!	Next Item
1 / 1 point	
1. What is produced at the end of this snippet of R code?	
1 set seed(1)	
1 set.seed(1) 2 rpois(5, 2)	
It is impossible to tell because the result is random	
Te is impossible to tell because the result is rundom	
A vector with the numbers 3.3, 2.5, 0.5, 1.1, 1.7	
A vector with the numbers 1, 4, 1, 1, 5	
A vector with the numbers 1, 1, 2, 4, 1	
Correct Because the `set.seed()' function is used, `rpois()' will always output the sam	e vector in this code.
1 / 1 point	
2. What R function can be used to generate standard Normal random variables?	
qnorm	

Correct

dnorm

rnorm

Functions beginning with the `r' prefix are used to simulate random variates.



V	1 / 1 point
3. When s	simulating data, why is using the set.seed() function important? Select all that apply.
	It can be used to specify which random number generating algorithm R should use, ensuring consistency and reproducibility.
Corre	ect
	It ensures that the random numbers generated are within specified boundaries.
Un-se	elected is correct
	It ensures that the sequence of random numbers is truly random.
Un-se	elected is correct
	It can be used to generate non-uniform random numbers.
Un-se	elected is correct
Un-se	1 / 1 point
4 .	1 / 1 point function can be used to evaluate the inverse cumulative distribution function for the Poisson
4. Which	1 / 1 point function can be used to evaluate the inverse cumulative distribution function for the Poisson
4. Which	1 / 1 point function can be used to evaluate the inverse cumulative distribution function for the Poisson ution?
4. Which	1/1 point function can be used to evaluate the inverse cumulative distribution function for the Poisson ution? dpois
4. Which	1/1 point function can be used to evaluate the inverse cumulative distribution function for the Poisson ution? dpois ppois

Correct

Probability distribution functions beginning with the `q' prefix are used to evaluate the quantile (inverse cumulative distribution) function.

Quiz, 10 questions



1/1 point

5

What does the following code do?

```
1 set.seed(10)
2 x <- rep(0:1, each = 5)
3 e <- rnorm(10, 0, 20)
4 y <- 0.5 + 2 * x + e
```

Generate data from a Normal linear model

Correct

Generate data from a Poisson generalized linear model
Generate uniformly distributed random data
Generate random exponentially distributed data



1/1 point

6

What R function can be used to generate Binomial random variables?

dbinom rbinom

Correct

pbinom



1/1 point

iz, 10 ques	idhe working directory
0	the function call stack
Corr	ect
	the global environment
	the package search list
8 .	1/1 point
1 2 3 4	ler the following R code library(datasets) Rprof() fit <- lm(y ~ x1 + x2) Rprof(NULL)
the ru	ne that y, x1, and x2 are present in the workspace.) Without running the code, what percentage of in time is spent in the 'lm' function, based on the 'by.total' method of normalization shown in aryRprof()'?
	50%
	23%
	It is not possible to tell
0	100%

Correct

When using `by.total' normalization, the top-level function (in this case, `lm()') always takes 100% of the time.



1/1 point

When using 'system.time()', what is the user time?

It is the "wall-clock" time it takes to evaluate an expression