Week 4 Quiz 10/10 points (100%)

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<b>~</b>	1 / 1 points	
1.		
	is produced at the end of this snippet of R code?	
1 2	set.seed(1) rpois(5, 2)	
_	1,0013(3, 2)	
	A vector with the numbers 3.3, 2.5, 0.5, 1.1, 1.7	
	A vector with the numbers 1, 1, 2, 4, 1	
Cor	rrect	
Bec	rrect cause the `set.seed()' function is used, `rpois()' will always output the same vector in	n
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Bec	rrect cause the `set.seed()' function is used, `rpois()' will always output the same vector in s code.  A vector with the numbers 1, 4, 1, 1, 5	n
Bec	rrect cause the `set.seed()' function is used, `rpois()' will always output the same vector in s code.  A vector with the numbers 1, 4, 1, 1, 5  It is impossible to tell because the result is random	n
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Functions beginning with the  $\ensuremath{\,^{\circ}} r'$  prefix are used to simulate random variates.

	1/1 points	
Week 4 (	Quiz 3	10/10 points (100%)
Quiz, 10 questi	ons When simulating data, why is using the set.seed() function important? Select all that ap	ρly.
	It ensures that the sequence of random numbers is truly random.	
	Un-selected is correct	
	It can be used to generate non-uniform random numbers.	
	Un-selected is correct	
	It ensures that the random numbers generated are within specified boundaries	5.
	Un-selected is correct	
	It ensures that the sequence of random numbers starts in a specific place and therefore reproducible.	is
	Correct	
	1/1 points	
	4. Which function can be used to evaluate the inverse cumulative distribution function for Poisson distribution?	the
	rpois	
	qpois	
	<b>Correct</b> Probability distribution functions beginning with the `q' prefix are used to evaluate t quantile (inverse cumulative distribution) function.	he
	ppois	
	dpois	
	1/1 points 5.	

What does the following code do?

Week 4 Quiz Quiz, 10 questions 3 4	<pre>set.seed(10) x &lt;- rep(0:1, each = 5) e &lt;- rnorm(10, 0, 20) y &lt;- 0.5 + 2 * x + e</pre>	10/10 points (100%)
	Generate uniformly distributed random data	
	Generate data from a Poisson generalized linear model	
	Generate random exponentially distributed data	
	Generate data from a Normal linear model	
Cor	rect	
	4.74	
<b>~</b>	1/1 points	
6. What	R function can be used to generate Binomial random variables?	
	dbinom	
	qbinom	
	pbinom	
	rbinom	
Cor	rect	
<b>~</b>	1/1 points	
7. What evalua	aspect of the R runtime does the profiler keep track of when an R expression is ated?	
	the global environment	
	the function call stack	
Cor	rect	
	the package search list	
	the working directory	

Week 4 Quiz 1/1 10/10 points (100%) points Quiz, 10 questions Consider the following R code library(datasets) Rprof() 2 fit <-  $lm(y \sim x1 + x2)$ 3 Rprof(NULL) (Assume that y, x1, and x2 are present in the workspace.) Without running the code, what percentage of the run time is spent in the 'lm' function, based on the 'by.total' method of normalization shown in 'summaryRprof()'? 23% It is not possible to tell 100% Correct When using `by.total' normalization, the top-level function (in this case, `lm()') always takes 100% of the time. 50% 1/1 points When using 'system.time()', what is the user time? It is the "wall-clock" time it takes to evaluate an expression It is the time spent by the CPU evaluating an expression Correct It is the time spent by the CPU waiting for other tasks to finish It is a measure of network latency 1/1 points 10.

If a computer has more than one available processor and R is able to take advantage of that,

then which of the following is true when using 'system.time()'?

https://www.coursera.org/learn/r-programming/exam/qozqm/week-4-quiz