Quiz, 10 questions

✓ Congratulations! You passed!

Next Item



0 / 1

points

1.

Suppose I conduct a study and publish my findings. Which of the following is an example of a replication of my study?

- An investigator at another institution conducts a study addressing a different scientific question and publishes her findings.
- I take my own data, analyze it again, and publish new findings.
- I give my data to an independent investigator at another institution, she analyzes the data and gets the same results as I originally obtained.

This should not be selected

An investigator at another institution conducts a study addressing the same question, collects her own data, analyzes it separately from me, and publishes her own findings.



1/1 points

2.

Which of the following is a requirement for a published data analysis to be reproducible?



The investigator makes the analytic data publicly available.

Correct

Week 1 Quiz Quiz, 10 questions		The investigator makes available his computer, on which the analysis was originally conducted.	9/10 points (90%)
		The analysis is conducted on a variant of the Unix operating system.	
	0	The data analysis is conducted using R.	
	~	1 / 1 points	
	3. Which	of the following is an example of a reproducible study?	
		The study's analytic data are publicly available, but the computer code is not.	
		The study's analytic data and computer code are not publicly available, but the study was simple enough to be repeated by an independent investigator.	
	0	The study's analytic data and computer code for the data analysis are publicly available. When the code is run on the analytic data, the findings are identical to the published results.	
	Corre	ect	
		The study's original authors re-run their computer code on their analytic data and confirm publicly that the findings match those of the published results.	
	✓	1 / 1 points	
	4. Which replica	of the following is a reason that a study might NOT be fully ated?	
		The original investigator does not want to make the analytic data	

available.

		The original study was conducted by a well-known investigator.				
Week 1 Quiz Quiz, 10 questions	0	The original study was very expensive and there is no money to repeat it in a different setting.	9/10 points (90%)			
	Corre					
		The original study had null findings.				
	~	1/1 points				
		of the following is a reason why publishing reproducible research is singly important?				
	0	New technologies are increasing the rate of data collection, creating datasets that are more complex and extremely high dimensional.				
	Correct					
		The statistical methods for most studies can be accurately described using plain language.				
		Most studies today are small-scale and easily replicated.				
		Computing power is limited today, making it difficult to apply sophisticated statistical methods.				
	~	1 / 1 points				
	6. What is	s the role of <i>processing code</i> in the research pipeline?				
	vviiatis	It transforms the computational results into figures and tables.				
	\bigcirc	It transforms the measured data into analytic data.				

Correct

Week 1 Quiz	9/10 points (90%)	
Quiz 10 questions		

WCCR I Quiz	_	
Quiz, 10 questions		It conducts the statistical analysis of the primary outcome.
		It transforms the analytic data into computational results.
	~	1/1 points
	7. Which	is a goal of literate statistical programming?
		Ensure that data analysis documents are always exported in PDF format.
		Require that data analysis summaries are always written in LaTeX.
		Separate figures and tables from other data analytic summaries.
	0	Combine explanatory text and data analysis code in a single document.
	Corre	ect
	~	1 / 1 points
	8.	
	wnat c	does it mean to weave a literate statistical program?
		Transform the literate program into a human readable document.
	Corr	ect
		Transform a literate program from R to python.
		Compress the literate program so that it takes up less space.

Transform the literate program into a machine readable code file.

Week 1 Quiz

9/10 points (90%)

Quiz, 10 questions

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	4	7

1/1 points

9.

Which of the following is required to implement a literate programming system?

A program that views PDF files.
A Unix-based computer system.
A web server for publishing documents.

A documentation language like LaTeX.

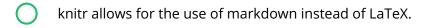
Correct



1/1 points

10.

What is one way in which the knitr system differs from Sweave?



Correct

knitr lacks features like caching of code chunks.
knitr is written in python instead of R.
knitr was developed by Friedrich Leisch.

