Graded Final Exam

Quiz, 21 questions

20/21 points (95%)

✓ Congratulations! You passed!

Next Item



1/1 points

1.

How are the three paths to statistical inference (frequentist, likelihood, bayesian) related to each other?



1/1 points

2.

Two researchers are investigating if people can see in the future. Person A believes there is no effect, which would mean that p-values are distributed as a _____. B finds a test statistic in the very far end of the distribution, which means that _____.



1/1 points

3.

The probability of finding a significant result when there is no true effect is called _____. The probability of finding a significant result when there is a true effect, is called _____.



1/1 points

4.

The likelihood ratio of two hypotheses gives information about _____, but not

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	d a Bayesian method to estimate a population mean of 10 with a 95% interval from 8 to 12, which means This interval depends on
credible	. This interval depends on
~	1 / 1 points
homeop effect an	has a low prior belief in homeopathy. Person B has a high prior belief in athy. They both read a study about homeopathy, which reports a positive of $p < 0.05$. Person A would be more likely than person B to conclude that son B would be more likely than Person A to think that
~	1 / 1 points
_	points
for each	form five tests without correcting for multiple comparisons. The error rate individual test is After using the Bonferonni correction, the individual e for each individual test is
	1/1

8.

points

You perform two studies to test a potentially life-saving drug. Both studies have $Graded\ Final$ What is the chance of two type 2 errors (of false negatives) in a row? 20/21 points (95%) Quiz, 21 questions

~	1/1 points
registere on flexib	and B are completely identical, except that study A was entirely pred at a journal. Both contain analyses with covariates. Based on research ility in the data analysis, we can expect that on average study A will have se covariate analyses are
10. An exam 	1 / 1 points ple of an unstandardized effect size is; unstandardized effect sizes
\	1/1 points
	e difference between means is 5, and the standard deviation is 4, Cohen's which is according to the benchmarks proposed by Cohen.

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20/21 points (95%)

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erence between eta-squared and partial eta-squared is eta-squared and omega-squared is	, the difference
1 / 1 points	
icate an older study, which reported both credible intervals . You also calculate both. Which statement is correct?	and confidence
1/1 points	
s with less participants, parameters like effect sizes vary t a true effect size depends, among other things, on	, the power
0 / 1 points	
formed a p-curve analysis and found a skewed distribution of eaks around p = 0.045, what does this mean?	of p-values
i i i i i i i i i i i i i i i i i i i	1/1 points cate an older study, which reported both credible intervals You also calculate both. Which statement is correct? 1/1 points s with less participants, parameters like effect sizes vary a true effect size depends, among other things, on

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points

16.

1/1 points
17. Predicting that a measured variable differs in two groups, without random assignment to conditions, is often
1/1 points 18. Going through a dataset and looking at which effects are present can be problematic when It is *not* problematic when you
1/1
19. The main goal of a direct replication is to; replications are important according to Popper because