Understanding Tests of Proportions

Quiz, 18 questions

18/18 points (100%)

✓	Congratulations! You passed!	Next Item
~	1 / 1 point	
1. If your functio	<i>Subject</i> column is filled with numbers, why is it good practice to recode it n?	using the "factor"
	The <i>Subject</i> column is a nominal factor, not a numeric one, despite some a number.	etimes being encoded as
	The <i>Subject</i> column is a categorical factor, not a numeric one, despite so as a number.	metimes being encoded
	The <i>Subject</i> column is a nominal factor, not a scalar one, despite sometimumber.	mes being encoded as a
	The <i>Subject</i> column is a categorical factor, not a scalar one, despite some a number.	etimes being encoded as
0	All of the above.	
Corre	ect	
	1/1	
2.	point	
Which	of the following variable type names are grouped with synonyms? (Mark a	all that apply.)
	Categorical, nominal, factor	
Corre	ect	
	Ordinal, ordered	

Correct

Understanding Tests of Proportions

	Numaria continuous scalar	_
Ouiz 18 au	_{stid} իμmeric, continuous, scalar	

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Correct				
Un-se	Numeric, ordinal, factor elected is correct			
	Categorical, binomial, scalar			
Un-se	elected is correct			
~	1 / 1 point			
2	ponic			
3. What is	s the correct R command for viewing preference proportions?			
	1 plot(data\$Pref)			
0				
Corre	ect			
	1 boxplot(data\$Pref)			
	1 plot(data\$Subject)			
	1 boxplot(data\$Subject)			
	None of the above.			

1/1

point Understanding Tests of Proportions Quiz, 18 questions

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Which	of the following is the most precise way of saying what a one-sample test of proportions tell us?
	Whether the proportions of counts in each response category are significantly different.
	Whether the proportions of counts across the response categories are significantly different from each other.
0	Whether any of the proportions of counts in each response category are significantly different from chance.
Corre	act.
COITE	
	Whether any of the proportions of counts in each response category are significantly different from each other.
	None of the above.
~	1 / 1 point
5. Which	of the following is the most proper way to report a Chi-Square test result?
	χ^2(1,20) = 4.12, <i>p</i> <.05
	$\chi^2(1,20) = 4.12$, $p=.04$
0	$\chi^2(1, N=20) = 4.12, p<.05$
Corre	ect
	$\chi^2(1, N=20) = 4.12, p=.04$
	None of the above.
	1/1
•	point
6. What d	loes "n.s." mean in place of a <i>p</i> -value?

Non-significant

Ur

quest	anding Tests of Proportions ions	18/18 points
	Not statistical	
	Insignificant	
	No significato	
	Not shown	
	1 / 1 point	
/hich	of the following best describes the main purpose for which we employ inferentia	al statistical tests?
	With statistical tests, we can prove that two things are different.	
	With statistical tests, we can prove that two things are equal.	
0	With statistical tests, we can provide evidence that two things are different.	
Corre	ect	
	With statistical tests, we can provide evidence that two things are not detectable	y different.
	With statistical tests, we can prove that two things are not detectably different.	
	1 / 1 point	
s opp	osed to an asymptotic test, what does an exact test compute?	
0	An exact <i>p</i> -value	
Corre	ect	
	An exact Chi-Square value	
	An exact degrees of freedom	
	An exact binomial value	

	None of the above. Canding Tests of Proportions 18/18 pc	oints ('
8 ques	tions	(
	1/1	
/	point	
9.		
	nomial test is used in tests of proportions with two response categories.	
\bigcirc	True	
Corr	ect	
	False	
	1/1	
	point	
10.		
The m	ultinomial test generalizes the binomial test to more than two response categories.	
Γhe m	ultinomial test generalizes the binomial test to more than two response categories. True	
The m		
The m	True	
0	True	
0	True	
0	True ect	
0	True ect	
0	True ect False	
0	True ect	
Corr	True ect False	
Corr	True ect False	
Corr	True ect False 1/1 point one-sample test of proportions with four response categories, what would be the R vector of collities representing no significant preference (i.e., lack of any detectable preference) for any of	the
Corr	True ect False 1/1 point one-sample test of proportions with four response categories, what would be the R vector of collities representing no significant preference (i.e., lack of any detectable preference) for any of	the
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Correct 1 c(1/2, 1/2) 1 c(1/4, 1/4, 1/4, 1/4) 2. In omnibus test is when two levels of a three-level factor are directly compared. True False Correct 1/1 point 3. Which of the following are true statements about post hoc tests? (Mark all that apply.) They are only justified after a significant overall test. Correct They are only justified after a significant omnibus test.	erst 8 quest	anding Tests of Proportions tions 1 c(1/2, 1/4, 1/4) 18/	/18 points
Correct 1/1 point 2. un omnibus test is when two levels of a three-level factor are directly compared. True False Correct 1/1 point 3. Which of the following are true statements about post hoc tests? (Mark all that apply.) They are only justified after a significant overall test. Correct They are only justified after a significant omnibus test.		1 c(1/2, 1/2)	
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Correct They are only justified after a significant omnibus test.			
They are only justified after a significant omnibus test.		They are only justified after a significant overall test.	
	Corr	ect	
Correct			
		They are only justified after a significant omnibus test.	

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18/18 points (100%)

z, 16 quest	1015				
	They are often pairwise comparisons, pitting one level of a factor against another.				
Corre	ert				
Corre	Correct				
Corre	They may be performed with a different statistical test than was used by the omnibus test.				
~	1 / 1 point				
14.					
Which	is the best explanation for <i>post hoc</i> adjustments and why they are necessary?				
	Post hoc adjustments are adjustments to p-values designed to make them bigger.				
	Post not adjustments are adjustments to p -values designed to make them bigger.				
	<i>Post hoc</i> adjustments are adjustments for multiple comparisons designed to improve the chances of finding statistical significance.				
0	<i>Post hoc</i> adjustments are adjustments for multiple comparisons designed to reduce the chances of incorrectly finding statistical significance, also known as a Type I error.				
Corre	ect				
	<i>Post hoc</i> adjustments are adjustments for multiple comparisons designed to reduce the chances of incorrectly failing to find statistical significance, also known as a Type II error.				
	Post hoc adjustments are adjustments to p-values designed to make them smaller.				
	1/1				
	point				
	·				
15.					
The <i>po</i>	est hoc adjustment indicated with "holm" in R stands for what?				
	The Bonferroni correction				
	The Holm-Bonferroni school of statistical thought				
	Holm's statistical test				

Holm's sequential Bonferroni procedure Understanding Tests of Proportions Quiz, 18 questions Correct

18/18 points (100%)

	None of the above.
~	1/1 point
numbe	of the following indicate <u>two-sample</u> proportions? (Mark all that apply.) Hint: Do not confuse the er of samples with the number of categories <i>within</i> a sample. The number of categories within a has no bearing on the number of samples one has in the first place.
	Users' choices among three options by sex
Corre	ect
	Users' choices among two options
Un-s	elected is correct
	Users' choices among three options, then take the top two, and then users' choices between those two options
Un-s	elected is correct
	Users' choices among three options by citizenship
Corre	ect
	Users' choices among two options by sex and by citizenship
Un-s	elected is correct
~	1/1 point

17.

Which of the following are tests of proportions reviewed in lecture? (Mark all that apply.)

Chi-Square test Understanding Tests of Proportions Ouiz 18 questions

18/18 points (100%)

18 questions Correct	то то роши (то
A/B test	
Un-selected is correct	
Binomial test	
Correct	
☐ G-test	
Correct	
Friedman test	
Un-selected is correct	
1/1 point	
18. The <i>G</i> -test can be thought of as a newer version of essentially which asymptotic test?	
Chi-Square test	
Correct	
A/B test	
Binomial test	

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