

Question 1

The chi-square test for _____ is appropriate when
square test for _____ is appropriate when there a

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Question 2

For two nominal variables, the appropriate statistical test to use is a chi-square test for:

☐ goodness-of-fit

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Question 3

The distribution that is always greater than 0 and positively skewed is the distribution for

☐ U.

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Question 4

The nonparametric equivalent of the independent-samples t test is the:

☐ Kruskal-Wallis H test

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Question 5

The values in the cells of a chi-square test for goodness-of-fit are:

☐ proportions

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Question 6

A director of a childcare center is interested in whether there is a tendency for fathers and mothers
to be differentially involved in the care of their child depending on the gender of that child. She

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Question 7

A Spearman's correlation coefficient can range from _____ to _____.

☐ -1.00: 0

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Question 8

When you have one nominal variable, the appropriate statistical test to use is a chi-square test for:

☐ goodness-of-fit

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[Save Answer](#)**Question 9**

A very strong Spearman correlation coefficient, such as 0.89, indicates that the two variables are:

☐ causally related

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[Save Answer](#)**Question 10**

Degrees of freedom for the chi-square test of goodness-of-fit is determined by:

☐ subtracting 2 from the number of cells that there are ($k - 2$)

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A correlation of 0.56 is found between class rank and student likability. What can we conclude based on this correlation?

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Degrees of freedom for the chi-square test of independence is determined by:

☐ subtracting 2 from the number of cells there are ($k - 2$)

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[Save Answer](#)**Question 13**

Which of the following is a nonparametric test?

☐ analysis of variance

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In a 3 X 4 contingency table, there are

☐ four levels of one variable, and five levels of the other.

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Which of the following statements does not state an assumption of the chi-square test?

Which of the following statements does not state an assumption of the chi-square test:

- ☐ Participants are randomly selected from the population.

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Question 16

The nonparametric equivalent of the Pearson correlation coefficient is the:

- ☐ Kruskal–Wallis H test

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Question 17

We reject the null hypothesis using the Mann Whitney U test when the smallest test statistic is:

- ☐ greater than or equal to the critical value

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Question 18

Identify the formula for calculating expected frequencies in the chi-square test for independence.

- ☐ $\frac{\text{Total}}{n}$

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Question 19

One of the primary limitations of nonparametric tests is that:

- ☐ they can be used only with interval data

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Question 20

A chi-square test for goodness-of-fit for which there are 4 categories and 20 participants would have _____ degrees of freedom.

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Question 21

" $(N_{\text{Columns}}-1)(N_{\text{Rows}}-1)$ " is the formula for the degrees of freedom for

- ☐ the chi-square statistic estimated from a one-way analysis of variance.
☐ the chi-square test for goodness of fit.
☐ the chi-square statistic estimated from a two-way analysis of variance
☐ the chi-square test for independence.

Question 22

The values in a chi-square distribution are always greater than 0.
☐ can be quite large.

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A researcher wants to examine the relation between class rank and popularity among peers. Class rank is provided by the school and includes each student's rank in order. The researcher assesses

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One of the assumptions of the Mann–Whitney U test is that there are no ties. If you have ties in your data set, you:

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In a chi-square test, the variables are
☐ continuous (quantitative)

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Which of the following correctly states the results of a chi-square test reported in APA format?

☐ $\chi^2(1) = 10.07, p = .002$

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The nonparametric equivalent of the dependent-samples t test is the:

☐ Kruskal–Wallis H test

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Which of the following Spearman correlation coefficients is the strongest?

☐ 0.54

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The expected frequencies across all cells of the chi square should:

☐ always add up to the size of the sample

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You find a Spearman correlation coefficient of -0.58 between cleanliness ranking (high rank = very clean) and risk of infection ranking (high rank = high risk) from the SENIC data set. What can you

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Identify the formula for the chi-square statistic.

☐ $\chi^2 = \sum \frac{(O - E)^2}{E}$

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The statistic for reporting the effect size of a chi square is:

☐ Cramer's V

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In a study of simulated juror decision making, Braden-Maguire, Sigal, and Perrino (2005) investigated the type of verdict assigned by study participants after they read a 12-page

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Question 34

For a chi-square test, it is typically recommended that the minimum number of participants is:

☐ 4

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Question 35

The table constructed for a chi-square test of independence is a:

☐ contingency table

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Question 36

A company wants information on whether number of hours worked by employees is significantly related to productivity reviews by their superiors. What is the best type of analysis to answer this

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Question 37

In a two-way ANOVA examining the effects of occupation and practice on the memory of large numbers, with alpha set at .05, a portion of the SPSS results are as follows:

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Question 38

If an experimenter obtains a correlation coefficient of .43 that is significant at the .01 significance level with 19 degrees of freedom, these results would be presented in a research article as

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Question 39

A psychologist wants to determine whether a certain training program improves concentration for children with ADHD. She uses an observational scale to measure children's concentration before

Question 40

If a psychologist interested in the relation between number of years working for a particular company and loneliness at work surveyed 40 workers at this company and figured a correlation between these two variables of $-.90$, the correlation is considered a

- ☐ weak positive linear correlation.
- ☐ strong positive linear correlation.
- ☐ strong negative linear correlation.
- ☐ weak negative linear correlation.