Assignment 6

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. Due on 2019-03-13, 23:59 IST.

1) What would be the degrees of freedom for the chi-square test statistic when testing for independence in a contingency table with 4 rows and 4 columns?
   1 point
   - 9
   - 5
   - 12
   - 7
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - 9

2) What would be used to determine whether a set of observed frequencies differ from their corresponding expected frequencies?
   1 point
   - F test
   - Chi-square test
   - t test for independent samples
   - t test for dependent samples
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   - Chi-square test

3) ......................... is a test for examining differences in the location of two populations, based on paired observations without taking into account the ranks.
   1 point
   - Runs test
   - Sín test
**Sign test**

4) ............ is a non-parametric procedure for analysing data from a matched-sample experiment. It uses quantitative data but does not require the assumption that the differences between the paired observations are normally distributed.

- Wilcoxon test
- Chi-square test
- F test
- None of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
Wilcoxon test

5) Under what circumstances would you use a non-parametric test?

- When you think your sample size is too big
- In a pilot study
- When you do not understand a parametric test
- When your data does not meet the assumptions of a parametric test

No, the answer is incorrect.
Score: 0
Accepted Answers:
When your data does not meet the assumptions of a parametric test

6) ............ is used as a measure of the strength of association in the special case of a table (a 2 x 2 table).

- Correlation coefficient
- Phi coefficient
- None of these
- Regression coefficient

No, the answer is incorrect.
Score: 0
Accepted Answers:
Phi coefficient

7) ............ test is used to check the randomness of a dichotomous variable.

- Chi-square test
- T test
- Runs test
- All of these

No, the answer is incorrect.
Score: 0
Accepted Answers:
Runs test

8) The chi-square statistic is

- $\sum (f_0 - fe)^2/fe$
- $\sum (f_0 + fe)^2/fe$

No, the answer is incorrect.
Score: 0
Accepted Answers:
Chi-square test
9) The chi-square test can be used

- To make inference about a population mean
- To test for differences in two variances
- To test for homogeneity of proportions
- For pairwise multiple comparisons of means

No, the answer is incorrect.
Score: 0
Accepted Answers:
To test for homogeneity of proportions

10) What should the null hypothesis for the chi-square test of independence specify?

- That the two categorical variables are dependent
- That the two numerical variables are dependent
- That the two categorical variables are independent
- That the two numerical variables are independent

No, the answer is incorrect.
Score: 0
Accepted Answers:
That the two categorical variables are independent