Statistical Methods Multiple Choice Questions

To test the randomness in the data, we use.

A. Friedman test

B. Runs test

C. Wilcoxon Signed Rank test

D. None of these

Correct Option is:

A. Friedman test

For testing the equality of several variances, we use.

A. Squared Rank test

B. Runs test

C. Wilcoxon Signed Rank test

D. None of these

Correct Option is:

A. Squared Rank test

For testing the equality of several proportions, _ _ _ _ test is applied.

A. Seigaltukey

B. Binomial

C. wilcoxon Signed Rank

D. None of them

Correct Option is:

B. Binomial

To test the goodness of fit of the data, _ _ _ _ _ _ _ _ _ _ test is applied.

A. Seigaltukey

B. Binomial

C. KolmogorvSimirnov

D. None of them

Correct Option is:

C. KolmogorvSimirnov

Seigul Tukey test is used for testing equality of _ _ _ _ _ _ _ _ _ _ variances.

A. one

B. two

C. Several

D. None of them

Correct Option is:

B. two

To compare more than k population medians, _____ test is used.

A. Median

B. Runs

C. binomial

D. Kruskal Wallis

Correct Option is:

D. Kruskal Wallis

When there is _____ way variation in the data, Kruskal Wallis test is applied.

A. zero

B. two

C. one

D. None of them

Correct Option is:

C. one

Friedman test is applied when there is _____ way variation in the data.

A. one

B. two

C. 0

D. None of them

Correct Option is:

B. two

Regression is the dependence of one variable on one or more.

A. dependent

B. predictand

C. regressors

D. None of them

Correct Option is:

C. regressors

In regression analysis, the independent variable is also called.

A. Regressand

B. predictor

C. explanatory

D. None of them

Correct Option is:

B. predictor

In SLRM, error follows normal distribution with mean.

A. one

B. meu

C. zero

D. None of them

Correct Option is:

C. zero

In SLRM, for every value of X, there is population of.

A. Y

B. X's

C. Error

D. None of them

Correct Option is:

A. Y

Kruskal Wallis test is alternative non parametric test for.

A. CRD

B. RCBD

C. LSD

D. None of them

Correct Option is:

A. CRD

In one way analysis of variance, when the distribution of observations are not known,_____ is used.

A. Kruskal Wallis

B. Friendman

C. LSD

D. None of them

Correct Option is:

B. Friendman

To check the randomness in the data, _____ test is used.

A. Kruskal Wallis

B. Friendman

C. runs

D. None of them

Correct Option is:

C. runs

In squared Ranks test for several variances, _____ distribution is used.

A. Chi-square

B. F-test

C. Z-test

D. None of them

Correct Option is:

A. Chi-square

In Two-Sample Sign test, we use _____ distribution.

A. Chi-square

B. Binomial

C. Z-test

D. None of them

Correct Option is:

B. Binomial

To compare between k variances_____ is used.

A. Chi-square

B. Squared Rank test

C. Regression

D. None of them

Correct Option is:

B. Squared Rank test

To compare the equality of different proportions we use.

A. Chi-square

B. Squared Rank test

C. Binomial

D. None of them

Correct Option is:

A. Chi-square

In regression model Y is random and X's is.

A. Fixed

B. Stochastic

C. Random

D. None of them

Correct Option is:

A. Fixed

_____ test is used to test the significance of intercept.

A. T

B. F

C. Chi-square

D. None of them

Correct Option is:

A. T

_____test is used to test significance of overall regression model.

A. T

B. F

C. Chi-square

D. None of them

Correct Option is:

B. F

In multiple regression model, there are more than one.

A. dependent variables

B. independent variables

C. regressand

D. None of them

Correct Option is:

B. independent variables

When parameters are specified, _____tests are used.

A. Parametric

B. Non-parametric

C. T-test

D. None of them

Correct Option is:

A. Parametric

In non parametric, _____ is used in place of population mean in testing the average of the data.

A. Geometric mean

B. Harmonic mean

C. Median

D. None of them

Correct Option is:

C. Median

Kolmogrov Smirnov test is used to test the_____ of data.

A. equality of means

B. Goodness of fit

C. Variation

D. None of them

Correct Option is:

B. Goodness of fit

When the normality assumptions are not met, then we use_____
tests.

A. Parametric

B. Non-parametric

C. T-test

D. None of them

Correct Option is:

B. Non-parametric

Median test is used to test.

A. variance

B. dispersion

C. average

D. None of them

Correct Option is:

C. average

In sign test X follows binomial distribution with parameters/parameter.

A. N

B. n

C. 1/2 and n

D. None of them

Correct Option is:

C. 1/2 and n

The test statistic in Wilcoxon singed rank test is based on.

A. ranks

B. ratio scale

C. multiplication

D. None of them

Correct Option is:

A. ranks

When the normality assumptions are met, then we use.

A. Parametric test

B. Non-parametric test

C. T-test

D. None of these

Correct Option is:

A. Parametric test

The non parametric tests are based on.

A. ranks

B. ratio scale

C. multiplication

D. None of them

Correct Option is:

A. ranks

Correlation is the _____ between two quantitative variables.

A. dependence

B. relationship

C. interdependence

D. None of them

Correct Option is:

C. interdependence

When parameters are not specified, _____tests are used.

A. Parametric

B. Non-parametric

C. T-test

D. None of them

Correct Option is:

B. Non-parametric

The term regression was introduced by.

A. Sir Francis Galton

B. R.A Fisher

C. Montgomery

D. None of them

Correct Option is:

A. Sir Francis Galton

When variation in different drugs quantity is to be compared we use.

A. Seigal Tukey

B. Binomial

C. KolmogorvSimirnov

D. None of them

Correct Option is:

A. Seigal Tukey

Squared Ranks test is also used for testing equality of several.

A. Variances

B. Means

C. Medians

D. None of them

Correct Option is:

A. Variances

When original data is not available, to measure the relationship between two variables we use.

A. Correlation

B. Spearman Rank correlation

C. Regression

D. None of them

Correct Option is:

B. Spearman Rank corr

_____ incomplete method is used to estimate intercept and slope.

A. Seigal Tukey

B. Binomial

C. Theils

D. None of them

Correct Option is:

C. Theils

_____ is used to check the independence between two variables.

A. Chi-square

B. Spearman Rank correlation

C. Regression

D. None of them

Correct Option is:

A. Chi-square

Chi-square distribution is used in critical region of.

A. Chi-square

B. Squared Rank test

C. Binomial

D. None of them

Correct Option is:

A. Chi-square

In Two-Sample Sign test, we use _ _ _ _ _ _ _ _ distribution.

A. Chi-square

B. Binomial

C. Z-test

D. None of them

Correct Option is:

B. Binomial

To compare between k variances_ _ _ _ _ _ _ _ _ _ _ is used.

A. Chi-square

B. Squared Rank test

C. Regression

D. None of them

Correct Option is:

B. Squared Rank test

To compare the equality of different proportions we use.

A. Chi-square

B. Squared Rank test

C. Binomial

D. None of them

Correct Option is:

A. Chi-square

In regression model X's are fixed and Y is.

A. Fixed

B. Stochastic

C. Random

D. None of them

Correct Option is:

C. Random

When parameters are not specified, _ _ _ _ _ _ _ _tests are used.

A. Parametric

B. Non-parametric

C. T-test

D. None of them

Correct Option is:

B. Non-parametric

In wilcoxon Signed rank test, we use _____ of signs.

A. ranks

B. average

C. deviations

D. None of them

Correct Option is:

A. ranks

For testing two independent sample median , we use_____ test.

A. friedman

B. kruskalwallis

C. wilcoxon Signed Rank

D. None of them

Correct Option is:

C. wilcoxon Signed Rank

Mann-Whitney is non parametric test for.

A. equality of two proportion

B. equality of variance

C. equality of two medians

D. None of them

Correct Option is:

—-+++—++++—-++++++, In this sequence there are total_____ runs.

A. 2

B. 6

C. 4

D. 5

Correct Option is:

B. 6

Post

Useful links for the the preparation of Tests

GK Mcqs: https://www.pakistanbix.com/category/general-knowledge-mcqs/

Pak Study Mcqs: https://www.pakistanbix.com/category/pak-studies-mcqs/

Islamyat Mcqs: https://www.pakistanbix.com/category/islamic-studies-mcqs/

Current Affairs Mcqs: https://www.pakistanbix.com/category/current-affairs-mcqs/

English Mcqs: https://www.pakistanbix.com/category/english-mcqs/

English Literature Mcqs: https://www.pakistanbix.com/category/english-literature-mcqs/

Everyday Science Mcqs: https://www.pakistanbix.com/category/everyday-science-mcqs/

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