

Question # 1 of 10 (Start time: 12:45:08 PM, 20 July 2023)

Total Marks: 1

What would be the best interpretation of $H_0: \rho = 0$?

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|------------------------------------|
| ☐ | There is covariance |
| ☒ | There is no population correlation |
| ☐ | There is real correlation |
| ☐ | There is negative correlation |
- Psychology with Numbers

Question # 2 of 10 (Start time: 12:45:35 PM, 20 July 2023)

Total Marks: 1

Which of the following statement is true for the Pearson correlation?

Select the correct option

 Reload Math Equations

- | | |
|----------------------------------|--|
| ☒ | It measures the degree and the direction of the linear relationship between two variables. |
| ☐ | All of the above |
| ☐ | It measures the degree and the direction of the non-linear relationship between two or more variables. |
| ☐ | The relationship between two variables while controlling the influence of a third variable by holding it constant. |
- Psychology with Numbers

Click to Save Answer & Move to Next Question

Question # 3 of 10 (Start time: 12:46:13 PM, 20 July 2023)

Total Marks: 1

Pearson's Correlation Analysis is also known as:

Select the correct option

 Reload Math Equations

☐	Spearman's Correlation Analysis
☐	Chi-Squared Product-Moment
☐	Kruskal-Wallis Correlational Analysis
☒	Pearson's Product-Moment

Psychology with Analytics

Question # 4 of 10 (Start time: 12:47:25 PM, 20 July 2023)

Total Marks: 1

How many levels must there be in one independent variable for an ANOVA to be used?

Select the correct option

 Reload Math Equations

☐	4
☐	1
☒	3
☐	2

Psychology with Analytics

Question # 5 of 10 (Start time: 12:48:44 PM, 20 July 2023)

Total Marks: 1

If two variables are moving in the same direction, it is called as _____ correlation.

Select the correct option

 Reload Math Equations

☐	Non-linear
☒	Positive
☐	Negative
☐	Linear

Psychology with Register

Question # 6 of 10 (Start time: 12:49:57 PM, 20 July 2023)

Total Marks: 1

Which of the following is NOT an application of correlation coefficient?

Select the correct option

 Reload Math Equations

☐	Reliability
☐	Prediction
☒	Variation
☐	Validity

Psychology with Register

Question # 7 of 10 (Start time: 12:51:04 PM, 20 July 2023)

Total Marks: 1

Which of the following is the total probability of a Type I error accumulated from all of the separate tests in the experiment?

Select the correct option

 Reload Math Equations

☒	Experiment wise alpha level
☐	Test wise alpha level
☐	Group wise alpha level
☐	Individual alpha level

Psychology with Repetition

Question # 8 of 10 (Start time: 12:52:11 PM, 20 July 2023)

Total Marks: 1

For ANOVA, dependent variable is always _____ in nature.

Select the correct option

 Reload Math Equations

☒	Continuous
☐	Ratio
☐	Interval
☐	Categorical

Psychology with Repetition

Question # 9 of 10 (Start time: 12:53:20 PM, 20 July 2023)

Total Marks: 1

Two-way ANOVA means groups are defined by two _____ variables.

Select the correct option

 Reload Math Equations

☐	Dependent
☐	Partial
☐	Extraneous
☒	Independent

Psychology with Regulus

Question # 10 of 10 (Start time: 12:53:34 PM, 20 July 2023)

Total Marks: 1

The population correlation is traditionally represented by the Greek letter _____.

Select the correct option

 Reload Math Equations

☐	t
☐	H_0
☒	ρ
☐	r^2

Psychology with Regulus

Question # 1 of 10 (Start time: 12:57:58 PM, 20 July 2023)

Total Marks: 1

When the Pearson correlation formula is used with data from an ordinal scale (ranks), the result is called the _____ correlation.

Select the correct option

[Reload Math Equations](#)

☐	Point-Biserial Correlation
☒	Spearman Correlation
☐	Phi-Coefficient
☐	Partial correlation

[Click to Save Answer & Move to Next Question](#)

Question # 2 of 10 (Start time: 12:58:37 PM, 20 July 2023)

Total Marks: 1

Which of the following refers to a hypothesis-testing procedure that is used to evaluate mean differences between two or more treatments (or populations)?

Select the correct option

[Reload Math Equations](#)

☐	Chi-square
☐	Analysis of Regression
☐	Correlation
☒	Analysis of variance (ANOVA)

[Click to Save Answer & Move to Next Question](#)

Question # 3 of 10 (Start time: 12:59:05 PM, 20 July 2023)

Total Marks: 1

How many dependent variables you must have for an ANOVA to be conducted?

Select the correct option

[Reload Math Equations](#)

☐	2 nominal variables
☒	1 continuous variable
☐	3 interval variables
☐	3 ratio variables

[Click to Save Answer & Move to Next Question](#)

Question # 4 of 10 (Start time: 01:00:17 PM, 20 July 2023)

Total Marks: 1

When there is a _____ linear relationship in Pearson correlation, every change in the X variable is accompanied by a corresponding change in the Y variable.

Select the correct option

[Reload Math Equations](#)

☒	Perfect
☐	Zero
☐	Positive
☐	Negative

[Click to Save Answer & Move to Next Question](#)

Question # 5 of 10 (Start time: 01:01:31 PM, 20 July 2023)

Total Marks: 1

For two-way ANOVA, we calculate _____ kinds of degrees of freedom.

Select the correct option

[Reload Math Equations](#)

☐	Two
☐	Four
☐	One
☒	Three

[Click to Save Answer & Move to Next Question](#)

Question # 6 of 10 (Start time: 01:02:34 PM, 20 July 2023)

Total Marks: 1

Which of the following statement is true for the Pearson correlation?

Select the correct option

[Reload Math Equations](#)

☒	It measures the degree and the direction of the linear relationship between two variables.
☐	The relationship between two variables while controlling the influence of a third variable by holding it constant.
☐	All of the above
☐	It measures the degree and the direction of the non-linear relationship between two or more variables.

[Click to Save Answer & Move to Next Question](#)

Question # 7 of 10 (Start time: 01:03:08 PM, 20 July 2023)

Total Marks: 1

Which of the following statement is true for the Pearson correlation?

Select the correct option

[Reload Math Equations](#)

☐	Generally computed for dispersed data
☐	Generally computed for population data
☒	Generally computed for sample data
☐	Generally computed for scattered data

Psychology with Numbers

[Click to Save Answer & Move to Next Question](#)

Question # 8 of 10 (Start time: 01:03:57 PM, 20 July 2023)

Total Marks: 1

The one-way analysis of variance (ANOVA) is used to determine whether there are any statistically significant differences between the means of _____ independent (unrelated) groups.

Select the correct option

[Reload Math Equations](#)

☐	Two
☐	Less than two
☐	One
☒	Two or more

Psychology with Numbers

[Click to Save Answer & Move to Next Question](#)

Question # 9 of 10 (Start time: 01:04:57 PM, 20 July 2023)

Total Marks: 1

The population correlation is traditionally represented by the Greek letter _____.

Select the correct option

[Reload Math Equations](#)

☒	ρ
☐	r^2
☐	H_0
☐	t

[Click to Save Answer & Move to Next Question](#)

PSY516 - Statistics in Psychology (Quiz 4)

Question # 10 of 10 (Start time: 01:05:08 PM, 20 July 2023)

How many levels must there be in one independent variable for an ANOVA to be used?

Select the correct option

☐	2
☒	3
☐	4
☐	1