



Question # 4 of 10 (start time: 03:23:48 PM, 20 July 2023)

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

Select the correct option

Reload



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.



It measures the degree and the direction of the non-linear relationship between two or more variables.



All of the above

Click to Save Answer & Move to Next Question





Question # 3 of 10 (Start time: 03:23:22 PM, 20 July 2023)

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

Select the correct option

Reload Mat

 Reliability Variation Prediction Validity

Click to Save Answer & Move to Next



Question # 2 of 10 (start time: 03:22:55 PM, 20 July 2023)

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

Select the correct option

Relo



Positive



Non-linear



Negative



Linear

Click to Save Answer & Move





Question # 5 of 10 (Start time: 03:24:23 PM, 20 July 2023)

What does ANOVA calculate?

Select the correct option



F ratios



Z score



T score



Mann Whitney

Click to Save Answer & M



What would be accurate interpretation of the following hypothesis $H_1: \rho \neq 0$?

Select the correct option

Re



There is no population correlation



There is covariance



There is negative correlation



There is real correlation

Click to Save Answer & Move



Which of the following is a statistical technique that is used to measure and describe the relationship between two variables?

Select the correct option

Reload Math Eq



T-test



Correlation



Mean



Standard deviation

Click to Save Answer & Move to Next Qu





Question # 6 of 10 (Start time: 03:24:48 PM, 20 July 2023)

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

Select the correct option



Phi-Coefficient



Partial correlation



Spearman Correlation



Point-Biserial Correlation

Click to Save Answer





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

Select the correct option

Reload M



Four



Three



Two



One

Click to Save Answer & Move to N





Question # 9 of 10 (Start time: 03:26:52 PM, 20 July 2023)

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 Mo

- | | |
|-----------------------|-----------------------------|
| <input type="radio"/> | Test wise alpha level |
| <input type="radio"/> | Group wise alpha level |
| <input type="radio"/> | Individual alpha level |
| <input type="radio"/> | Experiment wise alpha level |

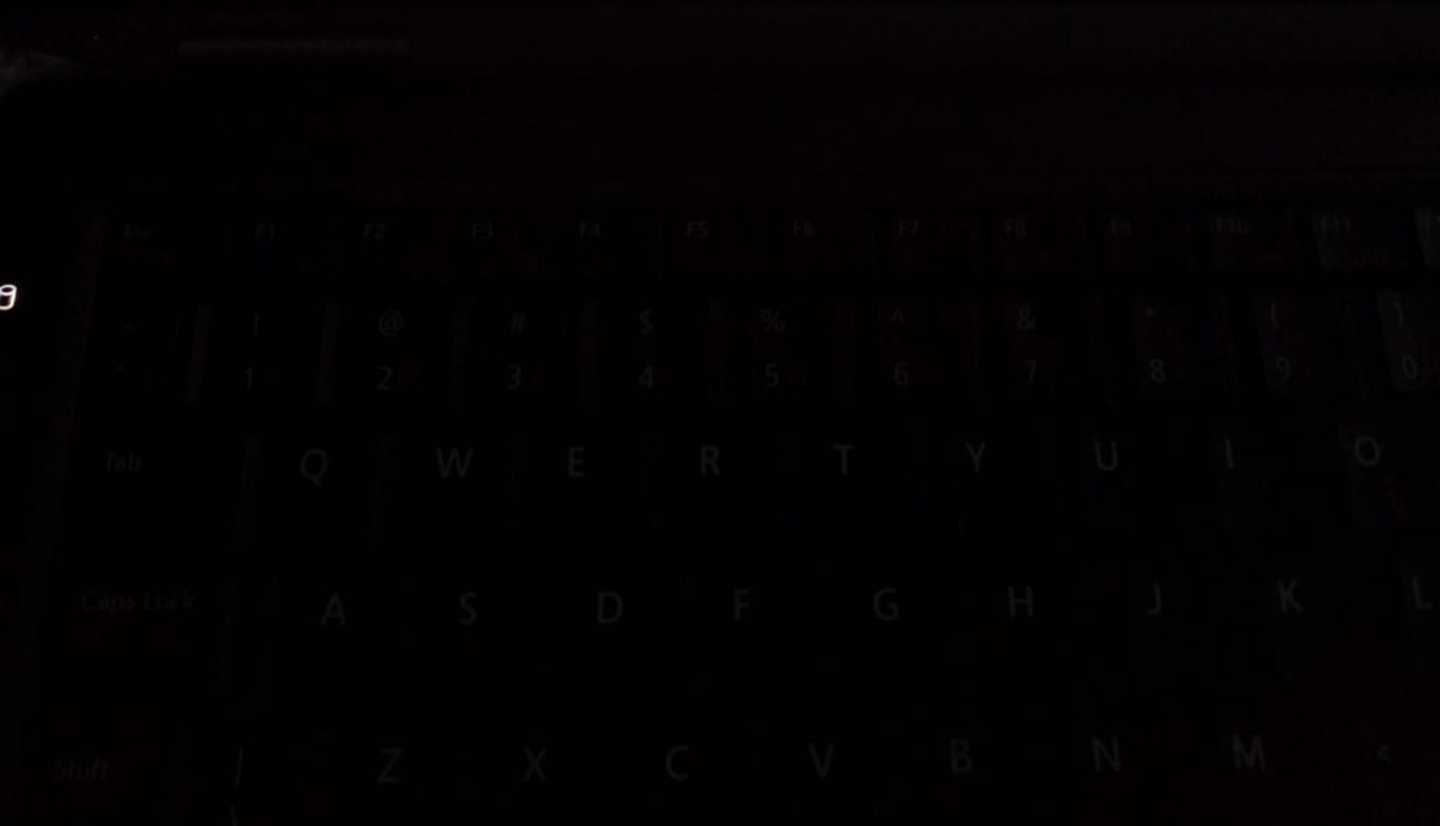
Click to Save Answer & Move to Ne



Which of the following refers to the proportion of variability in the data that is explained by the relationship between X and Y ?

Select the correct option

- Coefficient of correlation
- Coefficient of determination
- Coefficient of variance
- Regression analysis



In ANOVA, difference exists between the treatment conditions is termed as:

Select the correct option

- | | |
|-----------------------|-----------------------------|
| <input type="radio"/> | Treatment variance |
| <input type="radio"/> | Within treatments variance |
| <input type="radio"/> | No treatment variance |
| <input type="radio"/> | Between-treatments variance |



Type here to search



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

Select the correct option

There is covariance

There is real correlation

There is no population correlation

There is negative correlation



Type here to search



0

9

11 12 13 14 15 16 17 18 19
/ @ # \$ % ^ & *
1 2 3 4 5 6 7 8
Tab Q W E R T Y U
A S D F G H J K L ; ' < > [\] ^ _ ` { | } ~

Which of the following type of correlation measures the degree of monotonic relationship between two variables?

Select the correct option

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



Type here to search



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.

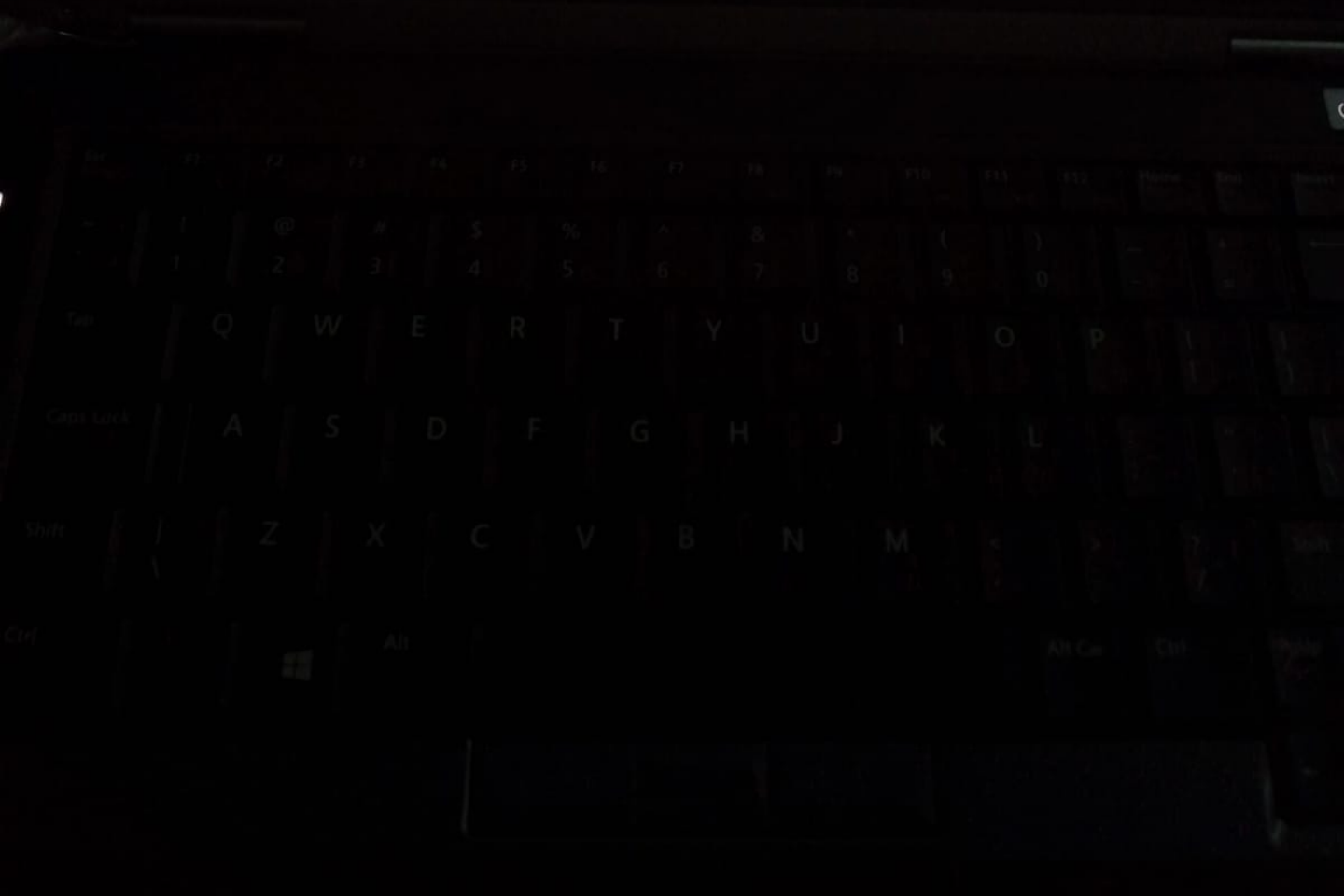
Select the correct option

- Positive
- Zero
- Negative
- Perfect

Click to Save Answer & Move to Next Question
Go to Settings to activate auto-save



Windows taskbar with search bar, task icons, and system tray showing 35°C and Smoke.



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

Select the correct option

- Independent
- Dependent
- Partial
- Extraneous



Type here to search

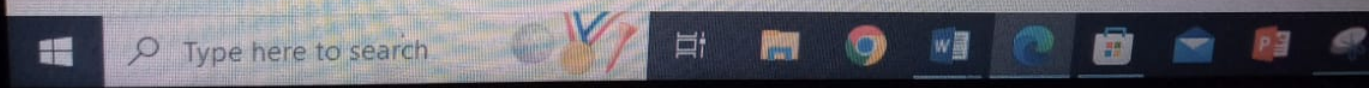
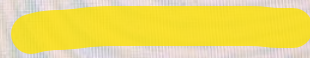


Question # 10 of 10 (Start time: 03:36:08 PM, 20 July 2023)

The one-way analysis of variance (ANOVA) is used to determine whether there are any statistically s

Select the correct option

- One
- Less than two
- Two
- Two or more



Question # 10 of 10 (Start time: 03:36:08 PM, 20 July 2023)

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

- One
- Less than two
- Two
- Two or more

Reload Math Equations

Click to Save Answer & Move to Next Question
Go to Settings to activate Windows

statistically significant differences between the means of _____ independent (unrelated) groups.

 Reload Math Equation

Click to Save Answer & Move to Next Question
Go to Settings to activate Windows.

Taskbar area containing icons for Edge, Calendar, Mail, PowerPoint, and Teams. System tray shows USD/INR -0.15%, volume, network, and language (ENG) settings. System clock displays 3:36 PM on 7/20/2023.





BC230212423: SAJAL DILAWAR

Time Left 83 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:37 PM, 20 July 2023

Question # 2 of 10 (start time: 03:38:38 PM, 20 July 2023)

Total Marks:

In ANOVA, difference exists between the treatment conditions is termed as:

Select the correct option

Reload Math Equations

- Between-treatments variance
- No treatment variance
- Treatment variance
- Within treatments variance

Click to Save Answer & Move to Next Question





BC230212423: SAJAL DILAWAR

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:37 PM, 20 July 2023

Question # 1 of 10 (start time: 03:37:52 PM, 20 July 2023)

Total Marks:

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

Select the correct option

Reload Math Equations



Generally computed for population data



Generally computed for sample data



Generally computed for dispersed data



Generally computed for scattered data

Click to Save Answer & Move to Next Question





BC230212423: SAJAL DILAWAR

Time Left 84 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:37 PM, 20 July 2023

Question # 7 of 10 (start time: 03:42:35 PM, 20 July 2023)

Total Marks:

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

Select the correct option

Reload Math Equations

- Validity
- Variation
- Prediction
- Reliability

Click to Save Answer & Move to Next Question





BC230212423: SAJAL DILAWAR

Time Left 90 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:37 PM, 20 July 2023

Question # 3 of 10 (start time: 03:39:44 PM, 20 July 2023)

Total Marks:

In one-way ANOVA, _____ is used to determine which of given groups differ from each other.

Select the correct option

Reload Math Equations

- Post hoc test
- T test
- F test
- Levene's test

Click to Save Answer & Move to Next Question





BC230212423: SAJAL DILAWAR

Time Left 90 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:37 PM, 20 July 2023

Question # 10 of 10 (start time: 03:44:17 PM, 20 July 2023)

Total Marks:

What does ANOVA calculate?

Select the correct option

Reload Math Equations

- T score
- Mann Whitney
- F ratios
- Z score

Click to Save Answer & Move to Next Question





BC230212423: SAJAL DILAWAR

Time Left 89 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:37 PM, 20 July 2023

Question # 8 of 10 (Start time: 03:43:17 PM, 20 July 2023)

Total Marks:

Which of the following type of data is used for the Spearman correlation?

Select the correct option

Reload Math Equations

- Ordinal
- Nominal
- Ratio
- Interval

Click to Save Answer & Move to Next Question





BC210408201: UFAIRA BASHIR

Time Left 90 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:45 PM, 20 July 2023

Question # 5 of 10 (Start time: 03:48:48 PM, 20 July 2023)

Total Marks:

In ANOVA, difference exists between the treatment conditions is termed as:

Select the correct option

Reload Math Equations

 Between-treatments variance Treatment variance No treatment variance Within treatments variance

Click to Save Answer & Move to Next Question



BC210408201: UFAIRA BASHIR

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:45 PM, 20 July 2023

Question # 4 of 10 (Start time: 03:48:11 PM, 20 July 2023)

Total Marks:

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

- | | |
|-----------------------|----------------------------|
| <input type="radio"/> | Partial correlation |
| <input type="radio"/> | Spearman Correlation |
| <input type="radio"/> | Point-Biserial Correlation |
| <input type="radio"/> | Phi-Coefficient |

Click to Save Answer & Move to Next Question





BC210408201: UFAIRA BASHIR

Time Left 88
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:45 PM, 20 July 2023

Question # 2 of 10 (start time: 03:46:52 PM, 20 July 2023)

Total Marks:

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.



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.



All of the above

Click to Save Answer & Move to Next Question



BC210408201: UFAIRA BASHIR

Time Left 85
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:45 PM, 20 July 2023

Question # 9 of 10 (start time: 03:51:40 PM, 20 July 2023)

Total Marks:

What does ANOVA calculate?

Select the correct option

Reload Math Equations



R ratios



Z-scores



F ratios



T-scores

Click to Save Answer & Move to Next Question





BC210408201: UFAIRA BASHIR

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:45 PM, 20 July 2023

Question # 8 of 10 (Start time: 03:50:58 PM, 20 July 2023)

Total Marks:

ANOVA or F-test is also robust to moderate departures from normality when sample sizes are reasonably _____ and are equal.

Select the correct option

[Reload Math Equations](#)

Small



Large



Skewed



Moderate

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



BC210408201: UFAIRA BASHIR

Time Left 90
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:45 PM, 20 July 2023

Question # 7 of 10 (start time: 03:50:07 PM, 20 July 2023)

Total Marks:

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

Select the correct option

Reload Math Equations

 There is negative correlation There is real correlation There is no population correlation There is covariance

Click to Save Answer & Move to Next Question



BC210408201: UFAIRA BASHIR

Time Left 90
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:45 PM, 20 July 2023

Question # 10 of 10 (start time: 03:52:11 PM, 20 July 2023)

Total Marks:

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

Select the correct option

Reload Math Equations



Three



Four



One



Two

Click to Save Answer & Move to Next Question



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PSY516 - Statistics in Psychology (Quiz 4)

Quiz start Time: 04:15 PM

Question # 3 of 10 (**start time: 04:16:37 PM, 20 July 2023**)

For ANOVA, dependent variable is always _____ in nature.

Select the correct option

 Reload Ma



Interval



Ratio



Categorical



Continuous

Click to Save Answer & Move to Ne



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BC210201621: MARYYUM HAMID

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:15 PM, 20 July 2023

Question # 1 of 10 (Start time: 04:15:31 PM, 20 July 2023)

Total Marks: 1

What does ANOVA calculate?

Select the correct option

Reload Math Equations



Z-scores



T-scores



F ratios



R ratios

Click to Save Answer & Move to Next Question

Question # 2 of 10 (Start time: 04:02:15 PM, 20 July 2023)

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

Select the correct option

- | | |
|----------------------------------|--------|
| <input checked="" type="radio"/> | H_0 |
| <input type="radio"/> | ρ |
| <input type="radio"/> | t |
| <input type="radio"/> | r^2 |

Click t



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Question # 6 of 10 (Start time: 04:18:49 PM, 20 July 2023)

To

What would be accurate interpretation of the following hypothesis $H_1: \rho = 0$?

Select the correct option

 Reload Math E



There is negative correlation



There is covariance



There is real correlation



There is no population correlation

Click to Save Answer & Move to Next Q



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PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:15 PM, 20 J

Question # 4 of 10 (start time: 04:17:06 PM, 20 July 2023)

Total

In one-way ANOVA, _____ is used to determine which of given groups differ from each other.

Select the correct option

Reload Math Equ

T test

F test

Levene's test

Post hoc test

Click to Save Answer & Move to Next Que



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Statistics in Psychology (Quiz 7)

QUIZ 04:19:59 PM, 20 JULY 2023

Question # 8 of 10 (start time: 04:19:59 PM, 20 July 2023)

Total

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

Select the correct option

Reload Math Equ



Extraneous



Partial



Independent



Dependent

Click to Save Answer & Move to Next Question



BC230212423: SAJAL DILAWAR

Time Left 84 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:37 PM, 20 July 2023

Question # 4 of 10 (Start time: 03:40:29 PM, 20 July 2023)

Total Marks:

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

Select the correct option

Reload Math Equations



There is covariance



There is negative correlation



There is real correlation



There is no population correlation

Click to Save Answer & Move to Next Question





BC230212423: SAJAL DILAWAR

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 03:37 PM, 20 July 2023

Question # 5 of 10 (Start time: 03:41:06 PM, 20 July 2023)

Total Marks:

What would be accurate interpretation of the following hypothesis $H_1: \rho \neq 0$?

Select the correct option

Reload Math Equations



There is negative correlation



There is no population correlation



There is real correlation



There is covariance

Click to Save Answer & Move to Next Question



GBWhatsApp

1 new message

PSY 510 - Statistics in Psychology (Quiz 4)

Quiz start time: 04:22 PM, 20 July 2023

Question # 2 of 10 (start time: 04:23:26 PM, 20 July 2023)

Total Marks:

ANOVA or F-test is also robust to moderate departures from normality when sample sizes are reasonably _____ and are equal.

Select the correct option

 Reload Math Equations

Skewed



Large



Moderate



Small

Click to Save Answer & Move to Next Question



GBWhatsApp

1 new message

PSY310 - Statistics in Psychology (Quiz 4)

Quiz start time: 04:22:41, 20 July 2023

Question # 1 of 10 (start time: 04:22:37 PM, 20 July 2023)

Total Marks:

What are the two types of variance which can occur in your data?

Select the correct option

 Reload Math Equations

Experimenter and participant groups



Independent and confounding groups



Repeated and extraneous groups



Between or within groups

Click to Save Answer & Move to Next Question





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Question # 10 of 10 (start time: 04:21:45 PM, 20 July 2023)

To

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

Select the correct option

 Reload Math E

3



2



4



1



Click to Save Answer & Move to Next Q



BC210203600: KINZA

Time Left 88
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:27 PM, 20 July 2023

Question # 1 of 10 (Start time: 04:27:08 PM, 20 July 2023)

Total Marks:

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

Select the correct option

Reload Math Equations

 4 2 3 1

Click to Save Answer & Move to Next Question



BC200403749: SIDRA BIBI

Time Left 90
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:22 PM, 20 July 2023

Question # 6 of 10 (Start time: 04:28:57 PM, 20 July 2023)

Total Marks:

For ANOVA, independent variable is always _____ in nature.

Select the correct option

 Reload Math Equations

- | | |
|-----------------------|-------------|
| <input type="radio"/> | Categorical |
| <input type="radio"/> | Ratio |
| <input type="radio"/> | Interval |
| <input type="radio"/> | Continuous |

Click to Save Answer & Move to Next Question



GBWhatsApp

1 new message

PSY510 - Statistics in Psychology (Quiz 4)

Quiz start time: 04:22 PM, 20 July 2023

Question # 5 of 10 (Start time: 04:28:14 PM, 20 July 2023)

Total Marks:

What would be accurate interpretation of the following hypothesis $H_1: \rho \neq 0$?

Select the correct option

 Reload Math Equations

There is real correlation



There is negative correlation



There is no population correlation



There is covariance

Click to Save Answer & Move to Next Question



BC210203600: KINZA

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:27 PM, 20 July 2023

Question # 2 of 10 (Start time: 04:27:53 PM, 20 July 2023)

Total Marks:

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

Select the correct option

Reload Math Equations



3 ratio variables



1 continuous variable



3 interval variables



2 nominal variables

Click to Save Answer & Move to Next Question



BC200403749: SIDRA BIBI

Time Left 90
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:22 PM, 20 July 2023

Question # 7 of 10 (start time: 04:29:27 PM, 20 July 2023)

Total Marks:

In one-way ANOVA, _____ is used to determine which of given groups differ from each other.

Select the correct option

 Reload Math Equations

T test



Post hoc test



F test



Levene's test

Click to Save Answer & Move to Next Question



BC200403749: SIDRA BIBI

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:22 PM, 20 July 2023

Question # 9 of 10 (Start time: 04:32:03 PM, 20 July 2023)

Total Marks:

Which of the following refers to the proportion of variability in the data that is explained by the relationship between X and Y?

Select the correct option

Reload Math Equations

- | | |
|-----------------------|------------------------------|
| <input type="radio"/> | Coefficient of correlation |
| <input type="radio"/> | Coefficient of determination |
| <input type="radio"/> | Regression analysis |
| <input type="radio"/> | Coefficient of variance |

Click to Save Answer & Move to Next Question



BC210203600: KINZA

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:27 PM, 20 July 2023

Question # 7 of 10 (Start time: 04:31:19 PM, 20 July 2023)

Total Marks:

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

Select the correct option

Reload Math Equations

 Prediction Reliability Variation Validity

Click to Save Answer & Move to Next Question



BC210203600: KINZA

Time Left 87
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:27 PM, 20 July 2023

Question # 9 of 10 (Start time: 04:32:59 PM, 20 July 2023)

Total Marks:

What are the two types of variance which can occur in your data?

Select the correct option

Reload Math Equations



Between or within groups



Independent and confounding groups



Repeated and extraneous groups



Experimenter and participant groups

Click to Save Answer & Move to Next Question



BC210203600: KINZA

Time Left 88
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:27 PM, 20 July 2023

Question # 8 of 10 (Start time: 04:32:08 PM, 20 July 2023)

Total Marks:

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](#) Negative Zero Perfect Positive[Click to Save Answer & Move to Next Question](#)



BC220411112: FARIDA KHANAM

Time Left 88
sec(s)

PSYS16 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:38 PM, 20 July 2023

Question # 2 of 10 (Start time: 04:37:15 PM, 20 July 2023)

Total Marks:

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

Select the correct option

Reload Math Equations

- | | |
|-----------------------|--------|
| <input type="radio"/> | r^2 |
| <input type="radio"/> | ρ |
| <input type="radio"/> | H_0 |
| <input type="radio"/> | t |

Click to Save Answer & Move to Next Question



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BC220411112: FARIDA KHANAM

Time Left 88
sec(s)

PSYS16 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:36 PM, 20 July 2023

Question # 1 of 10 (Start time: 04:36:28 PM, 20 July 2023)

Total Marks:

Which of the following symbol can be used for the Spearman correlation to differentiate it from the Pearson correlation?

Select the correct option

 Reload Math Equations

- | | |
|-----------------------|-------|
| <input type="radio"/> | H |
| <input type="radio"/> | t |
| <input type="radio"/> | r_s |
| <input type="radio"/> | r^p |

Click to Save Answer & Move to Next Question



BC220411112: FARIDA KHANAM

Time Left 87
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:38 PM, 20 July 2023

Question # 4 of 10 (Start time: 04:38:34 PM, 20 July 2023)

Total Marks:

Which of the following is an advantage of ANOVA?

Select the correct option

Reload Math Equations

- It cannot tolerate data that is non-normal
- It decides if the population mean is equal to a specific value or not
- All of the above
- It performs all three comparisons simultaneously in one hypothesis test

Click to Save Answer & Move to Next Question



BC220411112: FARIDA KHANAM

Time Left
82
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:38 PM, 20 July 2023

Question # 5 of 10 (Start time: 04:39:21 PM, 20 July 2023)

Total Marks:

For ANOVA, independent variable is always _____ in nature.

Select the correct option

Reload Math Equations

- | | |
|-----------------------|-------------|
| <input type="radio"/> | Categorical |
| <input type="radio"/> | Ratio |
| <input type="radio"/> | Continuous |
| <input type="radio"/> | Interval |

Click to Save Answer & Move to Next Question





BC220411112: FARIDA KHANAM

Time Left 88
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:38 PM, 20 July 2023

Question # 7 of 10 (Start time: 04:41:16 PM, 20 July 2023)

Total Marks:

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

Select the correct option

 Reload Math Equations

- | | |
|-----------------------|-------|
| <input type="radio"/> | Four |
| <input type="radio"/> | Three |
| <input type="radio"/> | Two |
| <input type="radio"/> | One |

Click to Save Answer & Move to Next Question



BC220411112: FARIDA KHANAM

Time Left 87
sec(s)

PSYS16 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:38 PM, 20 July 2023

Question # 8 of 10 (Start time: 04:41:50 PM, 20 July 2023)

Total Marks:

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

- | | |
|-----------------------|---------------|
| <input type="radio"/> | Less than two |
| <input type="radio"/> | One |
| <input type="radio"/> | Two |
| <input type="radio"/> | Two or more |

Click to Save Answer & Move to Next Question



Quiz

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BC230207329: IQRA ZAFAR

Time Left 90 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:49 PM, 20 July 2023

Question # 1 of 10 (start time: 04:49:32 PM, 20 July 2023)

Total Marks: 1

In ANOVA, the homogeneity of variance assumption will be tested by:

Select the correct option

Reload Math Equations

- Shapiro-Wilk
- Kolmogorov-Smirnov tests
- Welch and Brown-Forsythe
- Levene's test

Click to Save Answer & Move to Next Question



BC220411112: FARIDA KHANAM

Time Left 87
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:38 PM, 20 July 2023

Question # 9 of 10 (Start time: 04:42:23 PM, 20 July 2023)

Total Marks:

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

- | | |
|-----------------------|----------------------------|
| <input type="radio"/> | Point-Biserial Correlation |
| <input type="radio"/> | Spearman Correlation |
| <input type="radio"/> | Partial correlation |
| <input type="radio"/> | Phi-Coefficient |

Click to Save Answer & Move to Next Question



Quiz
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BC230207329: IQRA ZAFAR

Time Left 87 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:49 PM, 20 July 2023

Question # 2 of 10 (Start time: 04:52:25 PM, 20 July 2023)

Total Marks: 1

In one-way ANOVA, _____ is used to determine which of given groups differ from each other.

Select the correct option

Reload Math Equations

- F test
- T test
- Post hoc test
- Levene's test

Click to Save Answer & Move to Next Question



Quiz
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BC230207329: IQRA ZAFAR

Time Left 89 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:49 PM, 20 July 2023

Question # 3 of 10 (Start time: 04:53:11 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
- Individual alpha level
- Test wise alpha level
- Group wise alpha level

Click to Save Answer & Move to Next Question



Quiz

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BC230207329: IQRA ZAFAR

Time Left 86 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:49 PM, 20 July 2023

Question # 4 of 10 (Start time: 04:54:49 PM, 20 July 2023)

Total Marks: 1

What does ANOVA calculate?

Select the correct option

Reload Math Equations

- Z-scores
- T-scores
- F ratios
- R ratios

Click to Save Answer & Move to Next Question



Quiz
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BC230207329: IQRA ZAFAR

Time Left 89 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:49 PM, 20 July 2023

Question # 6 of 10 (Start time: 04:57:05 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 scattered data
- Generally computed for dispersed data
- Generally computed for population data
- Generally computed for sample data

Click to Save Answer & Move to Next Question



Quiz

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BC230207329: IQRA ZAFAR

Time Left 89 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:49 PM, 20 July 2023

Question # 7 of 10 (Start time: 04:58:02 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
- ρ
- H_a
- r^2

Click to Save Answer & Move to Next Question



Quiz

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BC230207329: IQRA ZAFAR

Time Left 88 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:49 PM, 20 July 2023

Question # 8 of 10 (Start time: 04:58:36 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
- 3 ratio variables
- 3 interval variables
- 1 continuous variable

Click to Save Answer & Move to Next Question



Quiz

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BC230207329: IQRA ZAFAR

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:49 PM, 20 July 2023

Question # 9 of 10 (Start time: 04:59:21 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 negative correlation



There is real correlation

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



Quiz

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BC230207329: IQRA ZAFAR

Time Left 89 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:49 PM, 20 July 2023

Question # 10 of 10 (start time: 05:00:04 PM, 20 July 2023)

Total Marks: 1

What does ANOVA calculate?

Select the correct option

Reload Math Equations

- F ratios
- Z score
- Mann Whitney
- T score

Click to Save Answer & Move to Next Question

5:05

LTE

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BC220419870: SADIA SAMI

PSYS16 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 01

Question # 4 of 10 (Start time: 05:04:12 PM, 20 July 2023)

Which of the following is an advantage of ANOVA?

Select the correct option

Relo

It cannot tolerate data that is non-normal

All of the above

It decides if the population mean is equal to a specific value or not

It performs all three comparisons simultaneously in one hypothesis test



Question # 1 of 10 (Start time: 06:34:01 PM, 20 July 2023)

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

Select the correct option

- | | |
|-----------------------|------------------------------------|
| <input type="radio"/> | There is covariance |
| <input type="radio"/> | There is negative correlation |
| <input type="radio"/> | There is real correlation |
| <input type="radio"/> | There is no population correlation |

Question # 2 of 10 (Start time: 06:34:31 PM, 20 July 2023)

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

Select the correct option

- | | |
|-----------------------|-------|
| <input type="radio"/> | Two |
| <input type="radio"/> | Four |
| <input type="radio"/> | One |
| <input type="radio"/> | Three |

Click to Save



In ANOVA, difference exists between the treatment conditions is termed as:

Select the correct option



Between-treatments variance



Treatment variance



No treatment variance



Within treatments variance





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 Equation](#)

Zero



Positive



Negative



Perfect

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



Question # 5 of 10 (Start time: 06:37:44 PM, 20 July 2023)

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

Select the correct option



Prediction



Reliability



Variation



Validity





Question # 6 of 10 (Start time: 06:38:23 PM, 20 July 2023)

What are the two types of variance which can occur in your data?

Select the correct option



Experimenter and participant groups



Between or within groups



Repeated and extraneous groups



Independent and confounding groups





Question # 8 of 10 (Start time: 06:39:41 PM, 20 July 2023)

The population correlation is positive in a directional hypothesis. This type of hypothesis can be written statistically as:

Select the correct option

Reload



$H_1: \rho \neq 0$



$H_1: \rho < 0$



$H_0: \rho \leq 0$



$H_0: \rho = 0$

Click to Save Answer & Move to



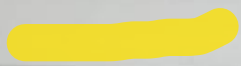
Question # 1 of 10 (Start time: 07:08:01 PM, 20 July 2023)

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

- Two or more
- Less than two
- Two
- One

Reveal My Answer





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

Select the correct option



3 ratio variables



1 continuous variable



3 interval variables



2 nominal variables



Question # 3 of 10 (Start time: 07:10:18 PM, 20 July 2023)

In ANOVA, difference exists between the treatment conditions is termed as:

Select the correct option

- No treatment variance
- Within treatments variance
- Between-treatments variance
- Treatment variance



Type here to search



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

Select the correct option

- Independent
- Dependent
- Extraneous
- Partial

Coefficient of determination is denoted by:

Select the correct option

- r
- F
- T
- r^2



Type here to search



Question # 7 of 10 (Start time: 07:15:28 PM, 20 July 2023)

Which of the following type of data is used for the Spearman correlation?

Select the correct option

- Interval
- Nominal
- Ratio
- Ordinal

Question # 10 of 10 (Start time: 07:19:30 PM, 20 July 2023)

ANOVA or F-test is also robust to moderate departures from normality when sample sizes are reasonably _____ and are equal.

Select the correct option

Large

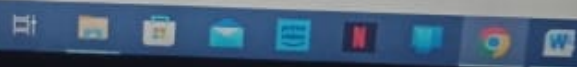
Small

Moderate

Skewed



Type here to search



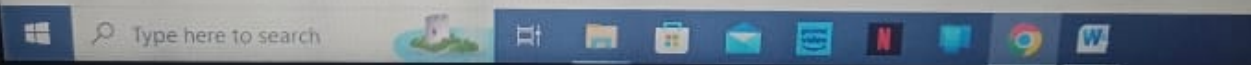
32

Question # 9 of 10 (Start time: 07:18:15 PM, 20 July 2023)

Which of the following symbol can be used for the Spearman correlation to differentiate it from the Pearson correlation?

Select the correct option

- t
- r^2
- r_s
- H



Question # 8 of 10 (Start time: 07:16:50 PM, 20 July 2023)

Which of the following statistical tests will be considered, if a researcher wants to know whether exam performance differs based on test anxiety levels among students, dividing students into three independent groups (e.g. low, medium and high-stressed students)?

Select the correct option

- Z test
- F test
- T test
- ANCOVA

Reveal Math Equations

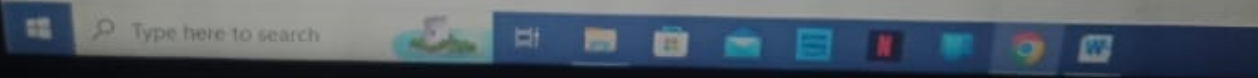
Check for updates & view history

Question # 6 of 10 (Start time: 07:14:06 PM, 20 July 2023)

Which of the following is a statistical technique that is used to measure and describe the relationship between two variables?

Select the correct option

- T-test
- Standard deviation
- Correlation
- Mean



Question # 2 of 10 (Start time: 07:09:05 PM, 20 July 2023)

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

- Individual alpha level
- Test wise alpha level
- Group wise alpha level
- Experiment wise alpha level



Question # 10 of 10 (Start time: 06:40:51 PM, 20 July 2023)

In one-way ANOVA, _____ is used to determine which of given groups differ from each other.

Select the correct option



Post hoc test



Levene's test



F test



T test

Click to Save Answer & M



Question # 7 of 10 (Start time: 06:38:55 PM, 20 July 2023)

In ANOVA, which of the following tests is preferably used when the assumption of the homogeneity of variance is violated?

Select the correct option

Reload M

Shapiro-Wilk

Levene's test

Welch and Brown-Forsythe

Kolmogorov-Smirnov tests

Click to Save Answer & Move to N



BC230207329: IQRA ZAFAR

Time Left 86 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:49 PM, 20 July 2023

Question # 5 of 10 (Start time: 04:56:22 PM, 20 July 2023)

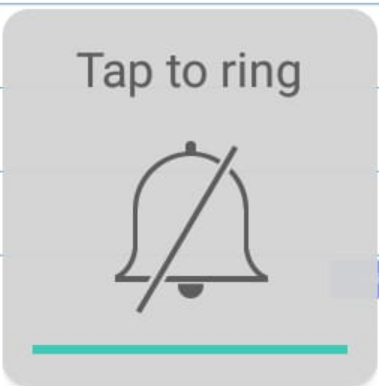
Total Marks: 1

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

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



Click to Save Answer & Move to Next Question



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BC220411112: FARIDA KHANAM

Time Left 84
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:38 PM, 20 July 2023

Question # 10 of 10 (Start time: 04:43:25 PM, 20 July 2023)

Total Marks:

Which of the following is a statistical technique that is used to measure and describe the relationship between two variables?

Select the correct option

 Reload Math Equations

- | | |
|-----------------------|--------------------|
| <input type="radio"/> | Standard deviation |
| <input type="radio"/> | T-test |
| <input type="radio"/> | Mean |
| <input type="radio"/> | Correlation |

Click to Save Answer & Move to Next Question





vulms.vu.edu.pk/Quiz/Q



BC220411112: FARIDA KHANAM

Time Left 85
sec(s)

PSYS16 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:38 PM, 20 July 2023

Question # 6 of 10 (Start time: 04:40:29 PM, 20 July 2023)

Total Marks:

In ANOVA, difference exists between the treatment conditions is termed as:

Select the correct option

 Reload Math Equations

- | | |
|-----------------------|-----------------------------|
| <input type="radio"/> | No treatment variance |
| <input type="radio"/> | Between-treatments variance |
| <input type="radio"/> | Within treatments variance |
| <input type="radio"/> | Treatment variance |

Click to Save Answer & Move to Next Question





BC220411112: FARIDA KHANAM

Time Left 88
sec(s)

PSYS16 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:38 PM, 20 July 2023

Question # 3 of 10 (Start time: 04:38:04 PM, 20 July 2023)

Total Marks:

What would be accurate interpretation of the following hypothesis $H_1: \rho > 0$?

Select the correct option

Reload Math Equations

 There is real correlation There is no population correlation There is covariance There is negative correlation

Click to Save Answer & Move to Next Question



BC200403749: SIDRA BIBI

Time Left 90 sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:22 PM, 20 July 2023

Question # 10 of 10 (start time: 04:33:13 PM, 20 July 2023)

Total Marks:

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

Select the correct option

Reload Math Equations



2



4



3



1

Click to Save Answer & Move to Next Question



BC200403749: SIDRA BIBI

Time Left 90
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:22 PM, 20 July 2023

Question # 8 of 10 (Start time: 04:31:20 PM, 20 July 2023)

Total Marks:

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

Select the correct option

 Reload Math Equations

There is negative correlation



There is real correlation



There is covariance



There is no population correlation

Click to Save Answer & Move to Next Question



BC210203600: KINZA

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:27 PM, 20 July 2023

Question # 6 of 10 (Start time: 04:29:56 PM, 20 July 2023)

Total Marks:

In one-way ANOVA, _____ is used to determine which of given groups differ from each other.

Select the correct option

Reload Math Equations

- | | |
|-----------------------|---------------|
| <input type="radio"/> | T test |
| <input type="radio"/> | Levene's test |
| <input type="radio"/> | F test |
| <input type="radio"/> | Post hoc test |

Click to Save Answer & Move to Next Question



Quiz

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BC210203600: KINZA

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:27 PM, 20 July 2023

Question # 5 of 10 (Start time: 04:29:13 PM, 20 July 2023)

Total Marks:

Which of the following is a statistical technique that is used to measure and describe the relationship between two variables?

Select the correct option

[Reload Math Equations](#)

Mean



Standard deviation



Correlation



T-test

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



BC210203600: KINZA

Time Left 86
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:27 PM, 20 July 2023

Question # 3 of 10 (Start time: 04:28:33 PM, 20 July 2023)

Total Marks:

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



Test wise alpha level



Individual alpha level



Experiment wise alpha level



Group wise alpha level

Click to Save Answer & Move to Next Question



BC200403749: SIDRA BIBI

Time Left 90
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:22 PM, 20 July 2023

Question # 4 of 10 (Start time: 04:27:39 PM, 20 July 2023)

Total Marks:

Which of the following is a statistical technique that is used to measure and describe the relationship between two variables?

Select the correct option

Reload Math Equations

- Standard deviation
- T-test
- Correlation
- Mean

Click to Save Answer & Move to Next Question





BC200403749: SIDRA BIBI

Time Left 89
sec(s)

PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:22 PM, 20 July 2023

Question # 3 of 10 (start time: 04:26:51 PM, 20 July 2023)

Total Marks:

Which of the following type of correlation measures the degree of monotonic relationship between two variables?

Select the correct option

Reload Math Equations

- | | |
|-----------------------|----------------------------|
| <input type="radio"/> | Partial correlation |
| <input type="radio"/> | Spearman Correlation |
| <input type="radio"/> | Point-Biserial Correlation |
| <input type="radio"/> | Phi-Coefficient |

Click to Save Answer & Move to Next Question





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PSY516 - Statistics in Psychology (Quiz 4)

Quiz Start Time: 04:15 PM, 20 July 2023

Question # 9 of 10 (Start time: 04:21:04 PM, 20 July 2023)

Total Marks: 10

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

Select the correct option

Reload Math Equation

- Generally computed for sample data
- Generally computed for scattered data
- Generally computed for population data
- Generally computed for dispersed data

Click to Save Answer & Move to Next Question