

PSY516 - Statistics in Psychology (Quiz 3)

Question # 4 of 10 (Start time: 06:44:26 PM, 13 July 2023)

In hypothesis testing it is assumed that the values in the sample must consist of _____

Select the correct option

- Independent observations ✓
- Standard deviation
- Standard error
- Mean


Click to



Question # 3 of 10 (Start time: 06:42:49 PM, 13 July 2023)

In SPSS the dependent variable is also called as:

Select the correct option

<input type="radio"/>	Grouping variable
<input type="radio"/>	Interdependent variable
<input type="radio"/>	Categorical variable
<input checked="" type="radio"/>	Test variable 

BC220420302: HAFIZ MUHAMMAD ARSAL

PSY516 - Statistics in Psychology (Quiz 3)

Question # 9 of 10 (Start time: 06:34:38 PM, 13 July 2023)

Which of the following values of population is unchanged by the treatment?

Select the correct option

- | | |
|----------------------------------|----------|
| <input type="radio"/> | μ |
| <input checked="" type="radio"/> | σ |
| <input type="radio"/> | ρ |
| <input type="radio"/> | r |

✓

BC230204783: BUSHRA HAWAZ

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time:

Question # 2 of 10 (Start time: 06:41:53 PM, 13 July 2023)

A repeated measures t-test can be used to assess:

Select the correct option

- How many factors there are in questionnaire data
- Differences between two groups of participants
- Differences between scores obtained on two separate occasions from the same participants
- Relationships between two interval data sets

Click to Save Answer & Move to Next Question



vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=852c/e96-d41d-4919-0508-1a22d4111111

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PSY516 - Statistics in Psychology (Quiz 3)

Time L

Quiz Start Time: 06:27 PM, 13

Question # 10 of 10 (Start time: 06:35:46 PM, 13 July 2023)

In independent measures research design how many sets of data could come from completely separate groups of participants?

Select the correct option

Reload M

- 5
- 4
- 2 ✓
- 3

Click to Save Answer & N

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 08:4

Question # 1 of 10 (Start time: 08:40:13 PM, 13 July 2023)

In hypothesis testing the alpha level determines the probability of which of the following errors?

select the correct option

Reload

- Type I error ✓
- Standard error of estimate
- Type II error
- Standard error

Click to Save Answer & Move to

Question # 8 of 10 (Start time: 06:33:49 PM, 13 July 2023)

In hypothesis testing which of the following errors occur when a researcher fails to reject a null hypothesis that is really false?

Select the correct option



- | | | |
|----------------------------------|----------------------------|---|
| <input checked="" type="radio"/> | Type II error | ✓ |
| <input type="radio"/> | Standard error of estimate | |
| <input type="radio"/> | Type I error | |
| <input type="radio"/> | Standard error | |

Click to Save Answer

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PSY516 - Statistics in Psychology (Quiz 3)

Question # 6 of 10 (Start time: 06:32:03 PM, 13 July 2023)

Which of the following options is considered if the z-score is large enough to be in the critical region?

Select the correct option

- | | |
|-----------------------|-------------------------------|
| <input type="radio"/> | Accept the null hypothesis |
| <input type="radio"/> | Reject alternative hypothesis |
| <input type="radio"/> | Accept alternative hypothesis |
| <input type="radio"/> | Reject the null hypothesis ✓ |

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PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time

Question # 7 of 10 (Start time: 06:32:59 PM, 13 July 2023)

In within-subject design, dependent variable is measured _____ times for each individual in a single sample.

Select the correct option

- Three
- Two
- One
- Four

Click to Save Answer

PSY516 - Statistics in Psychology (Quiz 3)

Question # 2 of 10 (Start time: 06:28:39 PM, 13 July 2023)

In which of the following cases could you use a paired-samples t-test?

Select the correct option

- | | |
|-----------------------|--|
| <input type="radio"/> | When comparing men and women's scores |
| <input type="radio"/> | When assessing three groups or more |
| <input type="radio"/> | When comparing two separate groups |
| <input type="radio"/> | When comparing the same participants performance before and after training |
- ✓

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Time Left 81 sec(s)

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:27 PM, 13 July 2023

Question # 1 of 10 (Start time: 06:27:43 PM, 13 July 2023)

Total Marks: 1

Which of the following errors determine how much difference is reasonable to expect between a sample mean (M) and the population mean (μ)?

Select the correct option

[Reload Math Equations](#)

- Standard error of estimate
- Standard error
- Type I error
- Type II error

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

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PSY516 - Statistics in Psychology (Quiz 3)

Learn more

Time Left

Quiz Start Time: 06:27 PM, 13

Question # 3 of 10 (Start time: 06:29:49 PM, 13 July 2023)

Which of the following power analysis programmes is used to determine the sample size and analyzing power in research studies?

Select the correct option

Reload Math

- | | |
|-----------------------|-------------|
| <input type="radio"/> | Cohen's d |
| <input type="radio"/> | Eta squared |
| <input type="radio"/> | Post hoc |
| <input type="radio"/> | G Power |

✓

Click to Save Answer & Move to

In independent measures research design how many sets of data could come from completely separate groups of participants?

select the correct option

Reload Math Equat

- 5
- 2
- 4
- 4
- 3

Click to Save Answer & Move to Next Questi

In hypothesis testing it is assumed that the participants used in the study were selected.

Select the correct option

Reload Math Equ

- Specifically
- Evenly
- Randomly
- Commonly

Click to Save Answer & Move to Next Que

Question # 7 of 10 (Start time: 06:17:05 PM, 13 July 2023)

Total

In which of the following cases an independent-samples t-test would not be appropriate?

Select the correct option

Reload Math Equ

- Comparing men and women's IQ on one occasion
- Comparing younger and older adults level of teamwork
- Comparing students attitude change between the start and end of their degree ✓
- Comparing the attitudes of Eastern and Western individuals

Click to Save Answer & Move to Next Que

Question # 2 of 10 (Start time: 06:12:35 PM, 13 July 2023)

Total

An independent t-test can be used to assess:

Select the correct option

Reload Math Equ

- Relationships between two ratio data sets
- Differences between two groups of participants
- How many factors there are in questionnaire data
- Differences between scores obtained on two separate occasions from the same participants

Click to Save Answer & Move to Next Question

Alternative name of between-subject design is:

Select the correct option

Reload Math Eq

- Repeated measure sample t-test
- One way ANOVA
- Two way ANOVA
- Independent sample t-test

Click to Save Answer & Move to Next Q



BC210408201: UFAIRA BASHIR

Time Left 88 sec(s)

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:57 PM, 13 July 2023

Question # 10 of 10 (start time: 07:04:33 PM, 13 July 2023)

Total Marks:

In hypothesis testing it is assumed that the values in the sample must consist of _____.

Select the correct option

Reload Math Equations

- Mean
- independent observations
- Standard deviation
- Standard error

Click to Save Answer & Move to Next Question





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Time Left 90 sec(s)

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:57 PM, 13 July 2023

Question # 7 of 10 (start time: 07:02:18 PM, 13 July 2023)

Total Marks:

The power of a test is defined as the probability that the test will:

Select the correct option

Reload Math Equations

Reject alternative hypothesis

Accept alternative hypothesis

Reject the null hypothesis

Accept the null hypothesis

Click to Save Answer & Move to Next Question





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Time Left 86 sec(s)

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:57 PM, 13 July 2023

Question # 1 of 10 (start time: 06:57:41 PM, 13 July 2023)

Total Marks:

In which of the following cases could you use a paired-samples t-test?

Select the correct option

Reload Math Equations

- When comparing the same participants performance before and after training ✓
- When comparing two separate groups
- When assessing three groups or more
- When comparing men and women's scores

Click to Save Answer & Move to Next Question





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Time Left 87 sec(s)

PSY516 - statistics in Psychology (Quiz 3)

Quiz Start Time: 06:57 PM, 13 July 2023

Question # 3 of 10 (start time: 06:59:35 PM, 13 July 2023)

Total Marks:

Which of the following statistics is used to test hypotheses about an unknown population mean?

Select the correct option

Reload Math Equations

- z-statistics
- f-statistics
- R statistics
- t- statistics ✓

Click to Save Answer & Move to Next Question





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Time Left 90 sec(s)

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:57 PM, 13 July 2023

Question # 8 of 10 (start time: 07:03:12 PM, 13 July 2023)

Total Marks:

In which of the following cases an independent-samples t-test would not be appropriate?

Select the correct option

Reload Math Equations

- Comparing students attitude change between the start and end of their degree ✓
- Comparing younger and older adults level of teamwork
- Comparing the attitudes of Eastern and Western individuals
- Comparing men and women's IQ on one occasion

Click to Save Answer & Move to Next Question





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Time Left 88 sec(s)

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:57 PM, 13 July 2023

Question # 9 of 10 (start time: 07:03:58 PM, 13 July 2023)

Total Marks:

In independent measures research design how many sets of data could come from completely separate groups of participants?

Select the correct option

Reload Math Equations

- 4
- 2
- 3
- 5

Click to Save Answer & Move to Next Question





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Time Left 86 sec(s)

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:57 PM, 13 July 2023

Question # 5 of 10 (start time: 07:01:01 PM, 13 July 2023)

Total Marks:

A group of 10 students was randomly drawn from class 12 and was given yoga training for three weeks. Their wellness life style was compared with another similarly selected group which did not undergo such training. Which type of statistical test will be appropriate for testing the tenability of null hypothesis?

Select the correct option

Reload Math Equations

- Post hoc test
- Sign test
- Independent t-test
- Wilcoxon T-test

Click to Save Answer & Move to Next Question





Question # 10 of 10 (Start time: 06:50:29 PM, 13 July 2023)

Alternative name of independent measures research design is:

Select the correct option

<input checked="" type="radio"/>	Between-subject design ✓
<input type="radio"/>	Repeated measure-subject design
<input type="radio"/>	Paired sample -subject design
<input type="radio"/>	Within-subject design





Question # 8 of 10 (Start time: 06:47:44 PM, 13 July 2023)

Which of the following tests requires assumptions about parameters?

Select the correct option

<input type="radio"/>	Kruskal Willis test
<input checked="" type="radio"/>	Parametric test ✓
<input type="radio"/>	Non parametric test
<input type="radio"/>	Mann-Whitney-Wilcoxon





PSY516 - Statistics in Psychology (Quiz 3)

Question # 6 of 10 (Start time: 06:46:12 PM, 13 July 2023)

Which of the following values of population is unchanged by the treatment?

Select the correct option

- | | |
|----------------------------------|----------|
| <input type="radio"/> | σ |
| <input checked="" type="radio"/> | α |
| <input type="radio"/> | β |
| <input type="radio"/> | μ |

Question # 3 of 10 (Start time: 06:13:18 PM, 13 July 2023)

A type I error is committed by rejecting:

Select the correct option



- Alternative hypothesis when it is true
- Alternative hypothesis when it is false
- Null hypothesis when it is true
- Null hypothesis when it is false

Click to Save Answer & Move

PSY516 - Statistics in Psychology (Quiz 3)

Question # 5 of 10 (Start time: 06:45:25 PM, 13 July 2023)

In hypothesis testing a sample value in the critical region is very unlikely to occur when:

Select the correct option

- Null hypothesis is true ✓
- Null hypothesis is false
- Alternative hypothesis is true
- Alternative hypothesis is false

Click

PSY516 - Statistics in Psychology (Quiz 3)

Question # 4 of 10 (Start time: 06:30:44 PM, 13 July 2023)

Differences between two groups of participants is assessed through:

Select the correct option

<input type="radio"/>	Two way ANOVA
<input type="radio"/>	Independent sample t-test
<input type="radio"/>	Simple Linear Regression
<input type="radio"/>	Pearson Product Moment Correlation

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:11 PM, 13 July

Question # 8 of 10 (start time: 06:18:17 PM, 13 July 2023)

Total M

In research if two sets of data could come from two completely separate groups of participants. Which type of statistical tests will be appropriate for testing the tenability of null hypothesis?

Select the correct option

Reload Math Equat

- Post hoc test
- Wilcoxon T-test
- Independent t-test
- Repeated measure

Click to Save Answer & Move to Next Quest





PSY516 - Statistics in Psychology (Quiz 3)

Question # 9 of 10 (Start time: 06:49:23 PM, 13 July 2023)

In which of the following cases an independent-samples t-test would not be appropriate?

Select the correct option

<input type="radio"/>	Comparing men and women's IQ on one occasion
<input type="radio"/>	Comparing the attitudes of Eastern and Western individuals
<input checked="" type="radio"/>	Comparing students attitude change between the start and end of their degree ✓
<input type="radio"/>	Comparing younger and older adults level of teamwork

Click



Question # 4 of 10 (Start time: 06:14:01 PM, 13 July 2023)

The independent-samples t-test compares the means between two unrelated groups on _____ dependent

Select the correct option

Reload

- Categorical
- Continuous
- Absolute
- Unambiguous

Click to Save Answer & Move to



Question # 7 of 10 (Start time: 06:47:03 PM, 13 July 2023)

The power of a test is defined as the probability that the test will:

Select the correct option

<input type="radio"/>	Accept the null hypothesis
<input checked="" type="radio"/>	Reject the null hypothesis
<input type="radio"/>	Accept alternative hypothesis
<input type="radio"/>	Reject alternative hypothesis



Question # 6 of 10 (start time: 06:15:55 PM, 13 July 2023)

In which of the following designs research question is concerned with a mean difference between two sets of data?

Select the correct option

Reload Math

- Within-subject design
- Between-subject design
- Repeated measure-subject design
- Paired sample-subject design

Click to Save Answer & Move to Next

Question # 1 of 10 (Start time: 06:11:14 PM, 13 July 2023)

If the z-score is large enough to be in the critical region, then we reject the null hypothesis and concludes that the:

Select the correct option

Relo

- Treatment has non-significant effect
- Treatment effect is unknown
- Treatment has no significant effect
- Treatment has significant effect

Click to Save Answer & Move



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Time Left 90 sec(s)

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:57 PM, 13 July 2023

Question # 6 of 10 (start time: 07:01:36 PM, 13 July 2023)

Total Marks:

A repeated measures t-test can be used to assess:

Select the correct option

Reload Math Equations

- Differences between two groups of participants
- How many factors there are in questionnaire data
- Relationships between two interval data sets
- Differences between scores obtained on two separate occasions from the same participants

Click to Save Answer & Move to Next Question





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Time Left 85 sec(s)

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:57 PM, 13 July 2023

Question # 2 of 10 (start time: 06:58:59 PM, 13 July 2023)

Total Marks:

In general, which of the following factors produces greater power for a hypothesis test?

Select the correct option

Reload Math Equations

A larger sample

independent observations

Alpha level

Standard error

Click to Save Answer & Move to Next Question





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Time Left 90 sec(s)

PSY516 - Statistics in Psychology (Quiz 3)

Quiz Start Time: 06:57 PM, 13 July 2023

Question # 4 of 10 (Start time: 07:00:12 PM, 13 July 2023)

Total Marks:

Alternative name of between-subject design is:

Select the correct option

Reload Math Equations

Two way ANOVA

Independent sample t-test

Repeated measure sample t-test

One way ANOVA

Click to Save Answer & Move to Next Question

