PALS0045 Week 6 Quiz

Start Over

This Quiz is designed to test your understanding of the learning objectives from the lecture in Week 6.

Complete each question and press submit to check your answers.

Q1:

You plan to conduct a study next term but for logistical reasons you know that you can only test 40 participants. What kind of power analysis should you run

- post hoc ✗
- a priori ✗
- sensitivity ✓

Correct!

Q2:

An effect size is

- an estimate of how large an effect is ✓
- highly sensitive to sample size ✗
- an indication of how confident we are about an estimate ✗

Correct!

Q3:

Which of the following is NOT an effect size?

- cohen's D ✗
- Pearson's r ✗
- Odds Ratio ✗
- p-value ✓

Correct!

Q4:

A type I error occurs when we

- reject the alternative hypothesis when we should accept it ✗

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- accept the alternative hypothesis when we should reject it ✗
- accept the null hypothesis when we should reject it ✗
- reject the null hypothesis when we should accept it ✓

Correct!

Q5:

If our type II error rate is .15, our power is:

- 80% ✗
- 90% ✗
- 85% ✓
- 15% ✗

Correct!

Q6:

what is the name of the graph showing all the effect sizes, sample sizes and their variation for individual studies, as well as a summary statistic?

- forest plot ✓
- power curve ✗
- funnel plot ✗

Correct!

Q7:

Which of the following measures the variability between individual studies in a meta-analysis?

- Cochran's Q ✗
- Tau-squared ✗
- Higgins & Thompson's I^2 ✗
- all of the above ✓

Correct!

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Q8:

Which group of studies are most likely to be systematically missing from published articles in a meta-analysis

- those with a large n and null results ✗
- those with a small n and null results ✓
- those with a small n and large effect size ✗

Correct!