



ALICIA MOULDER <

Psych 317 question

4 messages

Brianna

Thu, Sep 30, 2021 at 10:21 AM

To: ALICIA MOULDER <

Hi Alicia, I had a question about Cohens D. How would I know which formula I would use when findings cohens d? I was confused because this is one question I got wrong in the last lab. I attached the photo in this email. I thought I used the right formula since we were doing paired samples t test in lab 4 ? What clues or signs would help me determine which formula to use if that makes sense?

Thank you, Brianna



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2450K

ALICIA MOULDER <

Thu, Sep 30, 2021 at 4:03 PM

To: Brianna

Hey Brianna,

You were definitely on the right track.

You successfully calculated variance $(500/45) = 11.11$. However, the formula for cohen's d is **mean difference/standard deviation**.

This means that we need to go one step further and take the square root of 11.11 (variance) in order to get the standard deviation, which is 3.333.

You can then solve for cohen's d... $1.75/3.333 = 0.53$.

Let me know if this helps!

Best,

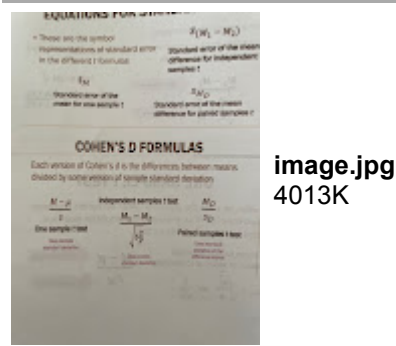
Alicia
[Quoted text hidden]
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Alicia Moulder
Psychology Major
Old Dominion University, Norfolk, VA
Pronouns: she/hers
E: [redacted]

Brianna

Thu, Sep 30, 2021 at 4:09 PM

To: ALICIA MOULDER [redacted]

Okay would I need to always do this when I calculate for cohens d? I was looking at the cohens d formula and see that we have three different ways to calculate cohens d based on our t-test. I attached a picture as well.
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Brianna

Thu, Sep 30, 2021 at 6:38 PM

To: ALICIA MOULDER <[redacted]>

Please disregard my last question, I now finally understand why I needed to square root 🙏 Thank you!!
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