

You can preview this quiz, but if this were a real attempt, you would be blocked because:

This quiz is not currently available

Question **1**

Not yet answered

Marked out of 1.00

Replication in R. Paper

<https://www.sciencedirect.com/science/article/pii/S0165176521000781>.

Replicate the analysis using data from the paper and answer the following question based on "the resulting sample".

What is the percentage of male students? Round with 2 decimal places.

Answer:

Question **2**

Not yet answered

Marked out of 2.00

Replication in R. Paper

<https://www.sciencedirect.com/science/article/pii/S0165176521000781>.

Replicate the analysis using data from the paper and answer the following question based on "the resulting sample".

Does mean exam grades (total) statistically different between male and female students on 5% level?

- ☐ a. Yes
- ☐ b. No

Question **3**

Not yet answered

Marked out of 3.00

Replication in R. Paper

<https://www.sciencedirect.com/science/article/pii/S0165176521000781>.

Replicate the analysis using data from the paper and answer the following question based on "the resulting sample".

Perform a t-test to check if mean exam grades (total) of students who had at least two online seminars is less than mean exam grades (total) of students who had one and less online seminars. Provide p-value; round with 3 decimal places.

Answer:

Question **4**

Not yet
answered

Marked out of
2.00

Replication in R. Paper

<https://www.sciencedirect.com/science/article/pii/S0165176521000781>.

Replicate the analysis using data from the paper and answer the following question based on "the resulting sample".

Reproduce results for regression model (1) reported in Table 1 where standard errors in parentheses are clustered on the individual level. Provide p-value for "Seminar online" coefficient; round with 3 decimal places.

Answer:

Question **5**

Not yet
answered

Marked out of
2.00

Replication in R. Paper

<https://www.sciencedirect.com/science/article/pii/S0165176521000781>.

Replicate the analysis using data from the paper and answer the following question based on "the resulting sample".

Reproduce results for regression model (2) reported in Table 1 where standard errors in parentheses are clustered on the individual level. Provide p-value for "Seminar online" coefficient (without interaction); round with 2 decimal places.

Answer:

Question **6**

Not yet
answered

Marked out of
2.00

Replication in R. Paper

<https://www.sciencedirect.com/science/article/pii/S0165176521000781>.

Replicate the analysis using data from the paper and answer the following question based on "the resulting sample".

Reproduce results for regression model (2) reported in Table 1 where standard errors in parentheses are clustered on the individual level. On which level(s) of significance "Seminar online * Female" coefficient is statistically significant. Mark all correct cases.

- ☐ a. 10%
- ☐ b. 15%
- ☐ c. 20%
- ☐ d. 25%
- ☐ e. 30%



Question **7**Not yet
answeredMarked out of
3.00

Replication in R. Paper

<https://www.sciencedirect.com/science/article/pii/S0165176521000781>.

Replicate the analysis using data from the paper and answer the following question based on "the resulting sample".

Based on regression model (2) reported in Table 1 exclude individual effects (leave only question effects) and re-estimate the model. Tick all correct statements below (assume 10% level of significance to answer):

- ☐ a. all else equal and if the Seminar was offline, then we do not expect any differences between female and male scores
- ☐ b. all else equal and if the Seminar was offline, then we expect that female scores are lower than male scores
- ☐ c. all else equal and if the Seminar was offline, then we expect that female scores are higher than male scores
- ☐ d. all else equal and if the gender is female, then we do not expect any differences between "Seminar online" and "Seminar offline" scores
- ☐ e. all else equal and if the gender is female, then we expect that "Seminar online" scores are lower than "Seminar offline" scores
- ☐ f. all else equal and if the gender is female, then we expect that "Seminar online" scores are higher than "Seminar offline" scores
- ☐ g. none of above



Previous activity

◀ Assignment 4

Jump to...

Next activity

Assignment 6 (hidden) ▶

[Instructions for teacher](#)

[Roadmap for the transition to Smart LMS](#)

Technical support:

For student

For employee