

We thank you for your time spent taking this survey.
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responses

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Use the "harass" data set to examine if the effect of harassment at time 1 (harass) on depression at time 2 (dep2) is mediated through failure at time 2 (fail2). Control for failure at time 1 (fail1) in your analysis. Use PROCESS or SPSS regression commands to estimate and test this question.

What variable is the independent variable (X)?

- ☒ **harassment at time 1 (harass)**
- ☐ depression at time 2 (dep2)
- ☐ failure at time 2 (fail2)

What variable is the outcome variable (Y)?

- ☐ harassment at time 1 (harass)
- ☒ **depression at time 2 (dep2)**
- ☐ failure at time 2 (fail2)

What variable is the mediator variable (M)?

- ☐ harassment at time 1 (harass)

☐ depression at time 2 (dep2)

☒ **failure at time 2 (fail2)**

Paste the PROCESS or SPSS Regression code that you would use to estimate this model.

PROCESS cov = fail1 / y = dep2 / x = harass / m = fail2 / model = 4 / boot = 10000 / total = 1 / normal = 1 / seed = 1234.

What is the estimate of the a-path, or the effect of the independent variable (X) on the mediator (M)?

☐ .3077

☒ **.1079**

☐ .0719

☐ .9896

Provide a one sentence interpretation of what the a-path means in this context (make sure to include controls in the interpretation)

Controlling for perceived failure at time 1, one unit higher in harassment frequency results in 0.1079 units higher failure one year later.

What is the estimate of the b-path, or the effect of the mediator (M) on the outcome (Y), controlling for (X)?

☐ .3540

☐ .0446

☒ **.2631**

☐ .1825

Provide a one sentence interpretation of what the b-path means in this context (make sure to include controls in the interpretation)

Controlling for failure at time 1 and harassment, a one unit change in failure at time 2 results in a .2631 unit change in depression at time 2.

What is the estimate of the direct effect (c' path), or the effect of the independent variable (X)

What is the estimate of the direct effect (c-path), or the effect of the independent variable (X) on the outcome (Y), controlling for M?

- ☐ 1.1235
- ☐ .2631
- ☐ .1825
- ☒ **.0446**

Provide a one sentence interpretation of what the direct effect means in this context (make sure to include controls in the interpretation)

Controlling for perceived failure at time 1 and time 2, a one unit increase in harassment results in a .0446 unit increase in depression at time 2.

What is the estimate of the total effect (c-path), or the effect of the independent variable (X) on the outcome (Y)?

- ☒ **.0730**
- ☐ .0944
- ☐ .3077
- ☐ .0741

Provide a one sentence interpretation of what the total effect means in this context (make sure to include controls in the interpretation)

Accounting for the effect of perceived failure at time 1, kids reported one unit higher in harassment were 0.073 units higher in later depression.

What is the estimate of the indirect effect, or the effect of the independent variable (X) on the the outcome (Y) through (M)?

- ☐ .0446
- ☒ **.0284**
- ☐ .0730
- ☐ .2631

Provide a one sentence interpretation of what the indirect effect means in this context (make sure to include controls in the interpretation)

sure to include controls in the interpretation)

One unit difference in harassment results in a .0284 unit difference in depression through failure at time 2, while controlling for failure at time 1, Where kids who were harassed more felt more failure and thus higher depression.

What concerns might you have about making causal claims related to this specific mediation analysis?

Harassment is not randomly assigned, everything is based covariance, correlation design Depression 1 needs to controlled

This is the end of the homework. Please feel free to submit questions, concerns, or comments to the anonymous feedback link

here: https://uclapsych.qualtrics.com/jfe/form/SV_e4lPhyaZGVKnIRT

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