We thank you for your time spent taking this survey. Your response has been recorded.

Below is a summary of your responses	Download PDF
Please enter your full name:	
Homework Key	
Please enter your email address:	
akmontoya@ucla.edu	
Today in class we used the "science" dataset to test if collaboration policin a class through communal goal affordance and difficulty in parallel. No thought of these two mediators in serial. Assume that difficulty causes confordance. Estimate this model using PROCESS and answer the follow your analysis.	ow consider if we ommunal goal
What variable is the independent variable (X)?  collaboration policy (Pro or No)  interest  communal goal affordance  difficulty	
What variable is the outcome variable (Y)?  Collaboration policy (Pro or No)  interest	
<ul><li>communal goal affordance</li><li>difficulty</li></ul>	

what variable is the FIRST mediator variable (MT)?
O collaboration policy (Pro or No)
O interest
O communal goal affordance
difficulty
What variable is the SECOND mediator variable (M2)?
O collaboration policy (Pro or No)
O interest
communal goal affordance
O difficulty
Paste the PROCESS code that you would use to estimate this model.
process y = interest / x = PRoNO /m = diff comm /total = 1 / boot = 10000 /model = 6 /normal = 1.
What is the estimate of the a1-path, or the effect of the independent variable (X) on the first mediator (M1)?
1536
Provide a one sentence interpretation of what the a1-path means in this context
If the stage is changed from no collaboration to pro-collaboration, the perceived difficulty of the class decreases by 0.1536 units.
What is the estimate of the a2-path, or the effect of the independent variable (X) on the second mediator (M2), controlling for the first mediator (M1)?
0.7689
Provide a one sentence interpretation of what the a2-path means in this context

Being assigned to the collaborating condition, was associated with increase in communal goal

affordance by .7689 units after controlling for difficulty.

What is the estimate of the a3-path, or the effect of the first mediator (M1) on the second mediator (M2), controlling for the independent variable (X)?
0929
Provide a one sentence interpretation of what the a3-path means in this context
When controlling for collaboration policy, and increase of difficulty by one unit leads to an decrease in communal goal affordance of 0.0929.
What is the estimate of the b1-path, or the effect of the first mediator (M1) on the outcome (Y), controlling for X and M2?
0.1364
Provide a one sentence interpretation of what the b1-path means in this context
Controlling for communal goal affordance and collaboration policy, if difficulty increases by one unit then interest would increase by .1364 per unit.
What is the estimate of the b2-path, or the effect of the second mediator (M2) on the outcome (Y), controlling for X and M1?
0.5367
Provide a one sentence interpretation of what the b2-path means in this context
With every increase of one unit of communal goal affordance, interest increases by 0.5367, accounting for collaboration policy and difficulty.
What is the estimate of the direct effect (c'-path), or the effect of the independent variable (X) on the outcome (Y), controlling for M1 and M2?
-0.0895
Provide a one sentence interpretation of what the direct effect means in this context

Regardless/controlling for/accounting for of how difficult participants perceived the class or communal goal affordances, being in a pro collaboration group results in 0.0895 less interest compared to the no collaboration group.
What is the estimate of the total effect (c-path), or the effect of the independent variable (X) on the outcome (Y)?
0.3099
Provide a one sentence interpretation of what the total effect means in this context
For someone who reads the collaboration course description they are expected to have 0.3099 more interest in the class compared to someone who reads the no collaboration description.
What is the estimate of the indirect effect of X on Y through ONLY the FIRST mediator?
-0.0209
Provide a one sentence interpretation of what this indirect effect means in this context
If the stage is changed from no collaboration to pro collaboration the interest in the class decreases by 0.0209 units where a change from no collaboration decreases the perceived difficulty of the class and thus leads to decreased interest, controlling for communal goal affordance.
What is the estimate of the indirect effect of X on Y through ONLY the SECOND mediator?
0.4127
Provide a one sentence interpretation of what this indirect effect means in this context
A one unit increase in the treatment group results in a 0.4127 unit increase in interest through the mediator perceived fulfillment of communal goals, controlling for difficulty.
What is the estimate of the indirect effect of X on Y through the FIRST then SECOND mediator in serial?
0.0077
Provide a one sentence interpretation of what this indirect effect means in this context

Considering only the serial indirect effect, the inclusion of collaboration policy results in an increase of 0.0077 of interest in class, through both difficulty then communal goals. Collaboration decreases perceived difficulty which then increasing communal goals which then increases interest.		
Check which indirect effects are significantly bootstrap confidence interval	different from zero according to the percentile	
Total indirect effect	☐ Indirect effect through ONLY difficulty	
Indirect effect through ONLY communal goals	Serial indirect effect through difficulty and communal goals	
What concerns might you have about making analysis?	g causal claims related to this specific mediation	
Theory - hard to know if this is supported by theory	e measurement vs. things we hope we're measuring. y Some effects are not significant - can't make causal aven't tested Causality criteria: Covariation, temporal	
This is the end of the homework. Please feel comments to the anonymous feedback link	free to submit questions, concerns, or	

here: https://uclapsych.qualtrics.com/jfe/form/SV\_e4IPhyaZGVKnIRT

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