

This document maps model specification and output options in the dialog box to corresponding syntax described in Appendix A of *Introduction to Mediation, Moderation, and Conditional Process Analysis*. Not all options available in PROCESS can be accessed through the PROCESS dialog box. Options and option arguments not available in the dialog box include **wmodval**, **zmodval**, **seed**, **bmatrix**, **wmatrix**, **zmatrix**, **wmatrix**, **normal**, **matrices**, **contrast=2**, **plot=2**, **save=2**, and the construction of a linear contrast of indirect effects.

Main PROCESS dialog box

The main PROCESS dialog box (PROCESSv3.4) contains the following sections:

- Variables:** A list of variables including COND, PMI, IMPORT, REACTION, GENDER, and AGE.
- Y variable:** A text box labeled "Y=".
- X variable:** A text box labeled "X=".
- Mediator(s) M:** A text box labeled "m=".
- Covariate(s):** A text box labeled "cov=".
- Moderator variable W:** A text box labeled "W=".
- Moderator variable Z:** A text box labeled "Z=".
- Model number:** A dropdown menu set to "1".
- Confidence intervals:** A dropdown menu set to "95".
- Number of bootstrap samples:** A dropdown menu set to "5000".
- Save bootstrap estimates:** A checkbox.
- Bootstrap inference for model coefficients:** A checkbox.
- Buttons:** OK, Paste, Reset, Cancel, Help.

model=  
conf=  
boot=  
save=1  
modelbt=1

Opens dialog box A  
Opens dialog box B

Dialog box A

Dialog box A contains the following sections:

- Show covariance matrix of regression coefficients:** A checkbox.
- Generate code for visualizing interactions:** A checkbox.
- Show total effect model (only models 4, 6, 80, 81, 82):** A checkbox.
- Pairwise contrasts of indirect effects:** A checkbox.
- Effect size (mediation-only models):** A checkbox.
- Standardized coefficients (mediation-only models):** A checkbox.
- Test for X by M interaction(s):** A checkbox.
- Mean center for construction of products:** A section with three radio buttons: "No centering" (selected), "All variables that define products", and "Only continuous variables that define products".
- Heteroscedasticity-consistent inference:** A dropdown menu set to "None".
- Decimal places in output:** A dropdown menu set to "4".
- Moderation and conditioning:** A section with a "Probe interactions..." dropdown menu set to "if p < .10", a "Conditioning values" section with two radio buttons: "16th, 50th, 84th percentiles" (selected) and "-1SD, Mean, +1SD", and a "Johnson-Neyman output" checkbox.
- Buttons:** Continue, Cancel.

covcoeff=1  
plot=1  
total=1  
contrast=1  
effsize=1  
stand=1  
xmtest=1

center=1  
center=2

Heteroscedasticity-consistent inference dialog box showing a list of options: None, HC0 (Huber-White), HC1 (Hinkley), HC2, HC3 (Davidson-MacKinnon), and HC4 (Cribari-Neto).

Decimal places in output dialog box showing a list of options: 2, 3, 4 (selected), 5, 6, 7, 8.

Probe interactions... dialog box showing a list of options: always, if p < .20, if p < .10 (selected), if p < .05, and if p < .01.

hc=  
decimals=

intprobe=

moments=1  
jn=1

Dialog box B.1

mcx=

mcw=

mcz=

Use to specify a categorical variable  
with three or more categories

Variable X  
☐ Multicategorical  
Coding system  
Indicator

Variable W  
☐ Multicategorical  
Coding system  
Indicator

Variable Z  
☐ Multicategorical  
Coding system  
Indicator

Continue Cancel

Clicking box  
activates options  
in dialog box B.2

Dialog box B.2

mcx, mcw, and  
mcz options

1  
2  
3  
4

Use to specify a categorical variable  
with three or more categories

Variable X  
☒ Multicategorical  
Coding system  
Indicator  
Indicator  
Sequential  
Helmert  
Effect  
Coding system  
Indicator

Variable Z  
☐ Multicategorical  
Coding system  
Indicator

Continue Cancel