

OUTPUT J: SAS

***** PROCESS Procedure for SAS Version 3.0 *****

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Documentation available in Hayes (2018) www.guilford.com/p/hayes3

Model and Variables

Model: 14

Y: PERFORM

X: DYSFUNC

M: NEGSTONE

W: NEGEXP

Covariates:

D1 D2 D3

Sample size:

60

OUTCOME VARIABLE:

NEGSTONE

Model Summary

R	R-sq	MSE	F	df1	df2	p
0.5026	0.2526	0.2213	4.6462	4.0000	55.0000	0.0027

Model

	coeff	se	t	p	LLCI	ULCI
constant	-0.2057	0.1305	-1.5760	0.1208	-0.4672	0.0559

Model						
	coeff	se	t	p	LLCI	ULCI
DYSFUNC	0.6095	0.1668	3.6546	0.0006	0.2753	0.9437
D1	0.3487	0.1715	2.0332	0.0469	0.0050	0.6923
D2	0.2951	0.2122	1.3906	0.1700	-0.1302	0.7204
D3	0.2507	0.1663	1.5078	0.1373	-0.0825	0.5840

OUTCOME VARIABLE:

PERFORM

Model Summary						
R	R-sq	MSE	F	df1	df2	p
0.5937	0.3524	0.2006	4.0428	7.0000	52.0000	0.0013

Model						
	coeff	se	t	p	LLCI	ULCI
constant	-0.1754	0.1305	-1.3444	0.1847	-0.4373	0.0864
DYSFUNC	0.3729	0.1808	2.0622	0.0442	0.0100	0.7357
NEGTONE	-0.4886	0.1377	-3.5485	0.0008	-0.7649	-0.2123
NEGEXP	-0.0221	0.1176	-0.1875	0.8520	-0.2581	0.2140
Int_1	-0.4498	0.2451	-1.8353	0.0722	-0.9417	0.0420
D1	0.1815	0.1720	1.0556	0.2960	-0.1635	0.5266
D2	0.0841	0.2099	0.4004	0.6905	-0.3372	0.5053
D3	0.2816	0.1648	1.7087	0.0935	-0.0491	0.6123

Product terms key:

Int_1 : NEGSTONE x NEGEXP

Test(s) of highest order unconditional interactions:

	R2-chng	F	df1	df2	p
M*W	0.0419	3.3684	1.0000	52.0000	0.0722

Focal predict: NEGSTONE (M)

Mod var: NEGEXP (W)

Conditional effects of the focal predictor at values of the moderator(s):

NEGEXP	Effect	se	t	p	LLCI	ULCI
-0.5308	-0.2498	0.2196	-1.1379	0.2604	-0.6904	0.1907
-0.0600	-0.4616	0.1434	-3.2188	0.0022	-0.7494	-0.1738
0.6000	-0.7585	0.1633	-4.6451	0.0000	-1.0862	-0.4308

Data for visualizing the conditional effect of the focal predictor:

NEGSTONE	NEGEXP	PERFORM
-0.4500	-0.5308	0.1258
-0.0350	-0.5308	0.0222
0.5224	-0.5308	-0.1171
-0.4500	-0.0600	0.2108
-0.0350	-0.0600	0.0192
0.5224	-0.0600	-0.2381
-0.4500	0.6000	0.3298
-0.0350	0.6000	0.0150
0.5224	0.6000	-0.4078

***** DIRECT AND INDIRECT EFFECTS OF X ON Y *****

Direct effect of X on Y

Effect	se	t	p	LLCI	ULCI
0.3729	0.1808	2.0622	0.0442	0.0100	0.7357

Conditional indirect effects of X on Y:

INDIRECT EFFECT:

DYSFUNC -> NEG TONE -> PERFORM

NEGEXP	Effect	BootSE	BootLLCI	BootULCI
-0.5308	-0.1523	0.1517	-0.4393	0.1830
-0.0600	-0.2813	0.1250	-0.5451	-0.0571
0.6000	-0.4623	0.1690	-0.8083	-0.1472

Index of moderated mediation:

	Index	BootSE	BootLLCI	BootULCI
NEGEXP	-0.2742	0.1768	-0.7025	-0.0234

***** ANALYSIS NOTES AND ERRORS *****

**Level of confidence
for all confidence
intervals in
output:**

95.0000

**Number of bootstrap
samples for percentile
bootstrap confidence
intervals:**

10000

W values in conditional tables are the 16th, 50th, and 84th percentiles

NOTE: Some bootstrap samples had to be replaced. The number of such replacements was: