**TWO-WAY INTERACTION SIMPLE SLOPES OUTPUT**

**Emotional Responsiveness and PAS Interaction**

Plot equations:

+1SD

y = 5.6 + .49x, *p* < .001

Mean

y = 5.2 + .4x, *p* < .001

-1SD

y = 4.9 + .31x, *p* < .001

**Figure 1a.**



y = 4.9 + .31x, *p* < .001

y = 5.2 + .4x, *p* < .001

y = 5.6 + .49x, *p* < .001

*Note.* PAS indicates parental autonomy support. Emotional responsiveness and autonomy support were mean centered prior to probing the interaction.

Your Input

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X1 = -5

X2 = 3

cv1 = 1.1

cv2 = 0

cv3 = -1.1

Intercept = 5.18

X Slope = 0.4

Z Slope = 0.25

XZ Slope = 0.08

df = 190

alpha = 0.05

Asymptotic (Co)variances

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var(b0) 0.004

var(b1) 0.002

var(b2) 0.004

var(b3) 0.001

cov(b2,b0) 0.0001

cov(b3,b1) 0.0003

Region of Significance

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Z at lower bound of region = -21.7932

Z at upper bound of region = -2.7838

(simple slopes are significant \*outside\* this region.)

Simple Intercepts and Slopes at Conditional Values of Z

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At Z = cv1...

simple intercept = 5.455(0.0952), t=57.31, p=0

simple slope = 0.488(0.0622), t=7.8445, p=0

At Z = cv2...

simple intercept = 5.18(0.0632), t=81.903, p=0

simple slope = 0.4(0.0447), t=8.9443, p=0

At Z = cv3...

simple intercept = 4.905(0.0928), t=52.8306, p=0

simple slope = 0.312(0.0505), t=6.1785, p=0

Simple Intercepts and Slopes at Region Boundaries

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Lower Bound...

simple intercept = -0.2683(1.3782), t=-0.1947, p=0.8459

simple slope = -1.3435(0.6811), t=-1.9725, p=0.05

Upper Bound...

simple intercept = 4.4841(0.1856), t=24.1618, p=0

simple slope = 0.1773(0.0899), t=1.9725, p=0.05

Points to Plot

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Line for cv1: From {X=-5, Y=3.015} to {X=3, Y=6.919}

Line for cv2: From {X=-5, Y=3.18} to {X=3, Y=6.38}

Line for cv3: From {X=-5, Y=3.345} to {X=3, Y=5.841}