**TWO-WAY INTERACTION SIMPLE SLOPES OUTPUT**

**Cognitive Support and PAS Interaction**

**Figure 1b**



y = 4.9 + .32x, *p* < .001

y = 5.2 + .37x, *p* < .001

y = 5.6 + .42x, *p* < .001

*Note.* PAS indicates parental autonomy support. Cognitive support and autonomy support were mean centered prior to probing the interaction. PAS *SD* = 1.1.

Plot equations:

+1SD

y = 5.6 + .42x, *p* < .001

Mean

y = 5.2 + .37x, *p* < .001

-1SD

y = 4.9 + .32x, *p* < .001

Your Input

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X1 = -5

X2 = 3

cv1 = 1.1

cv2 = 0

cv3 = -1.1

Intercept = 5.23523

X Slope = 0.36857

Z Slope = 0.30767

XZ Slope = 0.04407

df = 190

alpha = 0.05

Asymptotic (Co)variances

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var(b0) 0.00408902

var(b1) 0.00159383

var(b2) 0.00366446

var(b3) 0.00065293

cov(b2,b0) -0.00002634

cov(b3,b1) 0.00021938

Region of Significance

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Z at lower bound of region = -3.9143

Z at upper bound of region = 55.3539

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

Simple Intercepts and Slopes at Conditional Values of Z

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At Z = cv1...

simple intercept = 5.5737(0.092), t=60.5796, p=0

simple slope = 0.417(0.0535), t=7.7895, p=0

At Z = cv2...

simple intercept = 5.2352(0.0639), t=81.8702, p=0

simple slope = 0.3686(0.0399), t=9.2321, p=0

At Z = cv3...

simple intercept = 4.8968(0.0926), t=52.862, p=0

simple slope = 0.3201(0.0436), t=7.3411, p=0

Simple Intercepts and Slopes at Region Boundaries

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Lower Bound...

simple intercept = 4.0309(0.2458), t=16.396, p=0

simple slope = 0.1961(0.0994), t=1.9725, p=0.05

Upper Bound...

simple intercept = 22.266(3.351), t=6.6446, p=0

simple slope = 2.808(1.4236), t=1.9725, p=0.05

Points to Plot

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Line for cv1: From {X=-5, Y=3.4884} to {X=3, Y=6.8248}

Line for cv2: From {X=-5, Y=3.3924} to {X=3, Y=6.3409}

Line for cv3: From {X=-5, Y=3.2963} to {X=3, Y=5.8571}