**TWO-WAY INTERACTION SIMPLE SLOPES OUTPUT**

**Solicitation X PAS Interaction**

Plot equations:

+1SD

y = 5.9 + .13x, *p* = .41

Mean

y = 5.1 + .41x, *p* = .002

-1SD

y = 4.3 + .67x, *p* < .001

**Figure 2**



y = 5.9 + .13x, *p* = .41

y = 4.3 + .67x, *p* < .001

y = 5.1 + .41x, *p* = .002

*Note.* PAS indicates parental autonomy support. ‘Yes’ refers to youth-solicited IER and ‘No’ refers to IER received unsolicited. Autonomy support was mean centered prior to probing the interaction. PAS *SD* = 1.1.

Your Input

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X1 = 1

X2 = 2

cv1 = 1.1

cv2 = 0

cv3 = -1.1

Intercept = 5.0935

X Slope = 0.41045

Z Slope = 0.73993

XZ Slope = -0.23618

df = 190

alpha = 0.05

Asymptotic (Co)variances

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var(b0) 0.00846484

var(b1) 0.01728333

var(b2) 0.00710495

var(b3) 0.01327744

cov(b2,b0) 0.00044515

cov(b3,b1) 0.00004214

Region of Significance

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Z at lower bound of region = 0.5271

Z at upper bound of region = 46.6163

(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 = 5.9074(0.1343), t=43.9811, p=0

simple slope = 0.1507(0.1829), t=0.8238, p=0.4111

At Z = cv2...

simple intercept = 5.0935(0.092), t=55.3614, p=0

simple slope = 0.4105(0.1315), t=3.1221, p=0.0021

At Z = cv3...

simple intercept = 4.2796(0.1268), t=33.7461, p=0

simple slope = 0.6702(0.1824), t=3.6753, p=0.0003

Simple Intercepts and Slopes at Region Boundaries

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Lower Bound...

simple intercept = 5.4835(0.1044), t=52.503, p=0

simple slope = 0.286(0.145), t=1.9725, p=0.05

Upper Bound...

simple intercept = 39.5863(3.9357), t=10.0583, p=0

simple slope = -10.5994(5.3735), t=-1.9725, p=0.05

Points to Plot

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Line for cv1: From {X=1, Y=6.0581} to {X=2, Y=6.2087}

Line for cv2: From {X=1, Y=5.504} to {X=2, Y=5.9144}

Line for cv3: From {X=1, Y=4.9498} to {X=2, Y=5.6201}