Study 1 tests with covariates

Call:

lm(formula = antiSe ~ (CNSC + IN + IGSAT) \* condition, data = pilot)

Residuals:

Min 1Q Median 3Q Max

-3.03707 -0.66244 -0.05175 0.63664 3.12610

Coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.726e+00 3.041e-01 5.674 2.25e-08 \*\*\*

CNSC 4.468e-01 7.098e-02 6.294 6.26e-10 \*\*\*

IN 5.384e-05 2.407e-02 0.002 0.9982

IGSAT 8.929e-02 6.830e-02 1.307 0.1916

condition1 6.322e-01 4.349e-01 1.454 0.1465

condition2 1.161e+00 4.832e-01 2.402 0.0166 \*

CNSC:condition1 8.920e-02 1.060e-01 0.842 0.4002

CNSC:condition2 -2.719e-01 1.113e-01 -2.443 0.0149 \*

IN:condition1 -4.095e-04 3.347e-02 -0.012 0.9902

IN:condition2 1.135e-02 3.485e-02 0.326 0.7448

IGSAT:condition1 -2.174e-01 9.949e-02 -2.185 0.0293 \*

IGSAT:condition2 -6.257e-02 1.080e-01 -0.579 0.5626

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Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.065 on 557 degrees of freedom

Multiple R-squared: 0.1863, Adjusted R-squared: 0.1702

F-statistic: 11.59 on 11 and 557 DF, p-value: < 2.2e-16

> trends.int <- interactions::sim\_slopes(int, "CNSC", "condition", robust = T, confint = T)

Warning message:

Johnson-Neyman intervals are not available for factor

moderators.

> trends.int

**SIMPLE SLOPES ANALYSIS**

*Slope of CNSC when condition = 2:*

Est. S.E. 2.5% 97.5% t val. p

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0.17 0.14 -0.10 0.45 1.25 0.21

*Slope of CNSC when condition = 1:*

Est. S.E. 2.5% 97.5% t val. p

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0.54 0.09 0.36 0.71 6.04 0.00

*Slope of CNSC when condition = 0:*

Est. S.E. 2.5% 97.5% t val. p

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0.45 0.08 0.29 0.60 5.78 0.00

coeftest(int, vcov = vcovHC(int, type = "HC4"))

t test of coefficients:

Estimate Std. Error t value Pr(>|t|)

(Intercept) 1.7255e+00 2.8677e-01 6.0169 3.223e-09

CNSC 4.4678e-01 7.7913e-02 5.7344 1.606e-08

IN 5.3841e-05 2.3072e-02 0.0023 0.99814

IGSAT 8.9292e-02 8.1652e-02 1.0936 0.27462

condition1 6.3222e-01 4.7891e-01 1.3201 0.18734

condition2 1.1606e+00 5.6010e-01 2.0721 0.03871

CNSC:condition1 8.9205e-02 1.1876e-01 0.7511 0.45288

CNSC:condition2 -2.7192e-01 1.7001e-01 -1.5995 0.11029

IN:condition1 -4.0952e-04 3.6383e-02 -0.0113 0.99102

IN:condition2 1.1348e-02 3.7887e-02 0.2995 0.76466

IGSAT:condition1 -2.1742e-01 1.1526e-01 -1.8863 0.05977

IGSAT:condition2 -6.2574e-02 1.6976e-01 -0.3686 0.71256

(Intercept) \*\*\*

CNSC \*\*\*

IN

IGSAT

condition1

condition2 \*

CNSC:condition1

CNSC:condition2

IN:condition1

IN:condition2

IGSAT:condition1 .

IGSAT:condition2

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Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1