**Supplemental Online Materials**

These supplemental online materials are for the article, titled *Trait Attributions and Threat Appraisals Explain Why an Entity Theory of Personality Predicts Greater Internalizing Symptoms During Adolescence*. These materials are intended to appear only on a website linked to the article. The overall structure of the online supplemental materials is as follow:

1. Page S2: Implicit Theories of Personality Measures and Standardized Factor Loadings
2. Page S3: Intercorrelations among Key Variables (Study 1)
3. Page S4: The Association Between an Entity Theory of Personality and Fixed Trait Attribution About the Self by Each Sample
4. Page S5: The Path Coefficients for the Association of Entity Theory of Personality to Internalizing Symptoms after Controlling for Gender
5. Pages S6-S8: Study 2 Modeling syntax
6. Page S9: Supplemental References

**Implicit Theories of Personality Measures and Standardized Factor Loadings**

|  |  |  |
| --- | --- | --- |
| Item | Study 1b | Study 2 |
| 1. You can’t change people who are jerks in school. | .58\*\*\* | .69\*\*\* |
| 1. Some people are just jerks, and not much can be done to change them. | .70\*\*\* | .72\*\*\* |
| 1. Bullies and victims are types of people that really can’t be changed. | .73\*\*\* | .72\*\*\* |
| 1. Bullies can try acting nice, but deep down they’re just bullies. | .63\*\*\* | .55\*\*\* |
| 1. You can't change whether or not people respect you in school. | .52\*\*\* | .51\*\*\* |
| 1. Some people are just not cool, and not much can be done to change that. | .56\*\*\* | .63\*\*\* |
| 1. Popular people and unpopular people are types of people that really can’t be changed. | .52\*\*\* | .53\*\*\* |
| 1. Some people in high school will never be respected by anyone. | .43\*\*\* | .56\*\*\* |

**Intercorrelations among Key Variables (Study 1)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | *N* (Study 1a) |
| 1. Entity theory of personality | --- | .18\*\*\* | .14\*\*\* | 3,282 |
| 2. Depressive symptoms | .28\*\*\* | --- | .59\*\*\* | 3,406 |
| 3. Global psychological distress | .20\*\*\* | .66\*\*\* | --- | 2,994 |
| *N* (Study 1b) | 3,051 | 3,046 | 3,018 | --- |
| Mean (Study 1b) | 2.95 | 0.40 | 2.64 | --- |
| Standard deviation (Study 1b) | 0.92 | 0.31 | 0.87 | --- |

*Note*. Variables are standardized in Study 1 with means of 0 and standard deviations of 1. Correlations for Study 1a/Study 1b are shown above/below diagonal.

\* *p* < .05. \*\* *p* < .01. \*\*\* *p* < .001.

**The Association Between an Entity Theory of Personality and**

**Fixed Trait Attribution About the Self**

|  |  |  |  |
| --- | --- | --- | --- |
| Sample | Attribution Measure | *r* | *n* |
| 1 | Recall, Scenario | .26\*\* | 150 |
| 2 | Cyberball | .25\*\*\* | 303 |
| 3 | Cyberball | .23\*\*\* | 211 |
| 4 | Social media | .16\*\* | 251 |
| 5 | Social media | .16 | 84 |
| 6 | Social media | .25\* | 62 |
| 7 | Social media | .17\*\* | 320 |
| 8 | Scenario | .14\*\*\* | 2,877 |

*Note*. Recall = Attribution about recalled personal experiences of peer conflict. Scenario = Attribution about a hypothetical scenario of peer conflict. Cyberball = Attribution about social exclusion during the online Cyberball game (e.g., Williams & Jarvis, 2006). Social media = Attribution about few “likes” on an experimental social media interaction (e.g., Lee et al., 2019).

\* *p* < .05. \*\* *p* < .01. \*\*\* *p* < .001.

**The Path Coefficients for the Association of Entity Theory of Personality to**

**Internalizing Symptoms After Controlling for Gender**

|  |  |  |  |
| --- | --- | --- | --- |
| Variable |  | *b* | *SE* |
| **Person-level (level 2)** |  |  |  |
| Internalizing symptoms |  |  |  |
| Threat appraisals |  | .12\*\*\* | .03 |
| Female |  | .05\* | .02 |
| Baseline internalizing symptoms |  | .15\*\*\* | .02 |
| Threat appraisals |  |  |  |
| Fixed trait attribution |  | .25\*\*\* | .05 |
| Female |  | -.05 | .09 |
| Baseline internalizing symptomsa |  | .39\*\*\* | .05 |
| Fixed trait attribution |  |  |  |
| Entity theory |  | .24\*\* | .08 |
| Female |  | .21 | .13 |
| Baseline internalizing symptomsa |  | .33\*\*\* | .06 |
| **Day-level (level 1)** |  |  |  |
| Threat appraisals |  |  |  |
| Daily stressor intensity |  | .31\*\*\* | .08 |
| Random slope  × fixed trait attribution |  | .07\* | .03 |

*Note*. *N* = 474 (2,998 daily reports).Female: 0 = *male*, 1 = *female*. Standardized coefficients were not calculated because the random effects model assumes no single variance/covariance matrix for the entire sample. Dummy-coded day variables were included as covariates (Reference day = Monday) to control for the potential day-of-the week effect (Chow, Ram, Boker, Fujita, & Clore, 2005). acovariance path

+ *p* < .10. \* *p* < .05. \*\* *p* < .01. \*\*\* *p* < .001.

**Modeling Syntax**

**TITLE: Multilevel Model Syntax**

DATA: FILE IS daily data long.dat;

VARIABLE: NAMES ARE

school !school ID

nid !student ID

gender

itp1 !an entity theory personality item 1

itp2 !an entity theory personality item 2

itp3 !an entity theory personality item 3

itp4 !an entity theory personality item 4

itp5 !an entity theory personality item 5

itp6 !an entity theory personality item 6

itp7 !an entity theory personality item 7

itp8 !an entity theory personality item 8

str !intensity of daily stressor

fixself !fixed trait attribution about the self

negcontrol\_r !daily threat appraisal item 1 (reverse coded)

neghelpless !daily threat appraisal item 2

cditotal !depressive symptoms total scores

psstotal !global psychological stress total scores

INTb !baseline internalizing symptoms

Tuesday

Wednesday

Thursday

Friday

;

USEVARIABLES ARE

!Person-level var:

itp1 itp2 itp3 itp4

itp5 itp6 itp7 itp8

fixself

cditotal

psstotal

INTb

!Day-level var:

str

negcontrol\_r

neghelpless

Tuesday

Wednesday

Thursday

Friday

;

WITHIN =

str

Tuesday

Wednesday

Thursday

Friday

;

BETWEEN =

itp1 itp2 itp3 itp4

itp5 itp6 itp7 itp8

fixself

cditotal

psstotal

INTb

;

CLUSTER IS nid;

MISSING ARE ALL (-99999);

DEFINE: CENTER str (GROUPMEAN);

CENTER itp1 itp2 itp3 itp4

itp5 itp6 itp7 itp8 INTb

(GRANDMEAN);

ANALYSIS:

ESTIMATOR=MLR;

TYPE=TWOLEVEL RANDOM;

MODEL:

%WITHIN%

!day-level measurement model;

TAPPw BY negcontrol\_r neghelpless;

!day-level structural model:

s | TAPPw ON str;

TAPPw ON Tuesday

Wednesday

Thursday

Friday;

%BETWEEN%

!person-level measurement mode:

ITP BY itp1 itp2 itp3 itp4

itp5 itp6 itp7 itp8;

TAPPb BY negcontrol\_r neghelpless;

INT BY cditotal psstotal;

itp1 WITH itp2;

itp6 WITH itp7;

!person-level structural model:

INT ON TAPPb (a)

INTb;

TAPPb ON fixself (b);

fixself ON ITP (c);

s ON fixself;

ITP WITH INTb;

fixself WITH INTb;

TAPPb WITH INTb;

MODEL CONSTRAINT:

NEW(abc);

abc=a\*b\*c;

OUTPUT: SAMPSTAT CINTERVAL;

**Supplemental References**

Chow, S. M., Ram, N., Boker, S. M., Fujita, F., & Clore, G. (2005). Emotion as a thermostat: representing emotion regulation using a damped oscillator model. *Emotion, 5*, 208-225. https://doi.org/10.1037/1528-3542.5.2.208

Lee, H. Y., Jamieson, J. P., Reis, H. T., Beevers, C. G., Josephs, R. A., Mullarkey, M. C., … & Yeager, D. S. (in press). Getting fewer “likes” than others on social media elicits emotional distress among victimized adolescents. *Child Development*.

Williams, K. D., & Jarvis, B. (2006). Cyberball: A program for use in research on interpersonal ostracism and acceptance. *Behavior Research Methods, 38*, 174-180. https://doi.org/10.3758/BF03192765