Link2Care Distress Tolerance Scale Analysis Report

Created: 2021-04-28

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# Overview

The team met on 2021-04-28 and decided that “There should be 5 models, one with each DV. All 4 of the Distress Tolerance subscales should be entered at once (with covariates) predicting DVs.”

Table

Description automatically generated

# Results

**Model 1**. Results of depressive symptoms regressed on the 4 DTS subscales simultaneously, adjusting for age, sex, race/ethnicity, education (<HS/HS+), and Length of current homelessness.

| Predictor | Unadjusted Coef | Unadjusted p | Adjusted Coef | Adjusted p |
| --- | --- | --- | --- | --- |
| DTS: Tolerance | -0.3143 | 0.1265 | -0.2214 | 0.2996 |
| DTS: Absorption | -0.2853 | 0.1815 | -0.3309 | 0.1349 |
| DTS: Appraisal | -0.4593 | 0.0612 | -0.5060 | 0.0470 |
| DTS: Regulation | 0.2048 | 0.2202 | 0.2773 | 0.1198 |

Unadjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1313 | 0.1168 | 2.3528 | 9.0678 | 0 | 4 | -554.7325 | 1,121.465 | 1,142.473 | 1,328.505 | 240 | 245 |

Adjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1444 | 0.1091 | 2.3276 | 4.089 | 0.0001 | 9 | -511.0305 | 1,044.061 | 1,081.784 | 1,181.09 | 218 | 228 |

**Model 2**. Results of aggression regressed on the 4 DTS subscales simultaneously, adjusting for age, sex, race/ethnicity, education (<HS/HS+), and Length of current homelessness.

| Predictor | Unadjusted Coef | Unadjusted p | Adjusted Coef | Adjusted p |
| --- | --- | --- | --- | --- |
| DTS: Tolerance | -0.5720 | 0.5185 | -0.6097 | 0.5033 |
| DTS: Absorption | -2.4735 | 0.0076 | -2.3691 | 0.0126 |
| DTS: Appraisal | -0.5691 | 0.5897 | -1.0693 | 0.3242 |
| DTS: Regulation | 0.0072 | 0.9921 | 0.6844 | 0.3680 |

Unadjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1263 | 0.1118 | 10.1536 | 8.6768 | 0 | 4 | -912.9809 | 1,837.962 | 1,858.969 | 24,742.71 | 240 | 245 |

Adjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1584 | 0.1237 | 9.9418 | 4.5588 | 0 | 9 | -842.0635 | 1,706.127 | 1,743.85 | 21,546.97 | 218 | 228 |

**Model 3**. Results of hostility regressed on the 4 DTS subscales simultaneously, adjusting for age, sex, race/ethnicity, education (<HS/HS+), and Length of current homelessness.

| Predictor | Unadjusted Coef | Unadjusted p | Adjusted Coef | Adjusted p |
| --- | --- | --- | --- | --- |
| DTS: Tolerance | -1.2474 | 0.0977 | -1.6357 | 0.0308 |
| DTS: Absorption | -1.2221 | 0.1183 | -1.0925 | 0.1621 |
| DTS: Appraisal | -2.3120 | 0.0103 | -2.4170 | 0.0075 |
| DTS: Regulation | 0.5463 | 0.3714 | 1.0629 | 0.0917 |

Unadjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1979 | 0.1846 | 8.6127 | 14.8082 | 0 | 4 | -872.6587 | 1,757.317 | 1,778.325 | 17,803.05 | 240 | 245 |

Adjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.2903 | 0.261 | 8.2226 | 9.9084 | 0 | 9 | -798.7764 | 1,619.553 | 1,657.276 | 14,739.4 | 218 | 228 |

**Model 4**. Results of anxiety regressed on the 4 DTS subscales simultaneously, adjusting for age, sex, race/ethnicity, education (<HS/HS+), and Length of current homelessness.

| Predictor | Unadjusted Coef | Unadjusted p | Adjusted Coef | Adjusted p |
| --- | --- | --- | --- | --- |
| DTS: Tolerance | -0.2338 | 0.6193 | 0.0284 | 0.9531 |
| DTS: Absorption | -1.2290 | 0.0125 | -1.3630 | 0.0069 |
| DTS: Appraisal | -1.5818 | 0.0051 | -1.6163 | 0.0053 |
| DTS: Regulation | 0.3596 | 0.3476 | 0.5276 | 0.1913 |

Unadjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.2124 | 0.1993 | 5.3937 | 16.1806 | 0 | 4 | -757.9938 | 1,527.987 | 1,548.995 | 6,981.963 | 240 | 245 |

Adjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.2166 | 0.1843 | 5.2742 | 6.6973 | 0 | 9 | -697.5295 | 1,417.059 | 1,454.782 | 6,064.144 | 218 | 228 |

**Model 5**. Results of urban life stress regressed on the 4 DTS subscales simultaneously, adjusting for age, sex, race/ethnicity, education (<HS/HS+), and Length of current homelessness.

| Predictor | Unadjusted Coef | Unadjusted p | Adjusted Coef | Adjusted p |
| --- | --- | --- | --- | --- |
| DTS: Tolerance | -0.9936 | 0.4150 | -0.2028 | 0.8730 |
| DTS: Absorption | -4.2914 | 0.0008 | -5.5618 | 0.0000 |
| DTS: Appraisal | -6.3781 | 0.0000 | -5.4458 | 0.0004 |
| DTS: Regulation | 3.5847 | 0.0004 | 3.2585 | 0.0023 |

Unadjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.3291 | 0.3179 | 13.9677 | 29.4274 | 0 | 4 | -991.1174 | 1,994.235 | 2,015.242 | 46,823.27 | 240 | 245 |

Adjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.3375 | 0.3102 | 13.8521 | 12.3402 | 0 | 9 | -917.6881 | 1,857.376 | 1,895.099 | 41,829.81 | 218 | 228 |