Link2Care Distress Tolerance Scale Analysis Report

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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 | -0.2280 | 0.2009 | -0.1122 | 0.5490 |
| DTS: Absorption | -0.3407 | 0.0663 | -0.3977 | 0.0396 |
| DTS: Appraisal | -0.3310 | 0.1295 | -0.3731 | 0.1020 |
| DTS: Regulation | 0.1900 | 0.1840 | 0.2353 | 0.1215 |

Unadjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1058 | 0.0936 | 2.3205 | 8.6693 | 0 | 4 | -671.17 | 1,354.34 | 1,376.523 | 1,577.684 | 293 | 298 |

Adjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1161 | 0.0861 | 2.3114 | 3.8671 | 0.0001 | 9 | -615.5215 | 1,253.043 | 1,292.827 | 1,415.749 | 265 | 275 |

**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 | -0.2125 | 0.7859 | -0.4087 | 0.6142 |
| DTS: Absorption | -2.4679 | 0.0026 | -2.4452 | 0.0036 |
| DTS: Appraisal | -0.9862 | 0.3035 | -1.0944 | 0.2673 |
| DTS: Regulation | 0.2915 | 0.6422 | 0.8724 | 0.1847 |

Unadjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1176 | 0.1055 | 10.1968 | 9.7601 | 0 | 4 | -1,112.3 | 2,236.599 | 2,258.782 | 30,464.42 | 293 | 298 |

Adjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1479 | 0.119 | 10.0093 | 5.1118 | 0 | 9 | -1,018.58 | 2,059.16 | 2,098.945 | 26,549.08 | 265 | 275 |

**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 | -0.9836 | 0.1370 | -1.3445 | 0.0481 |
| DTS: Absorption | -1.5061 | 0.0288 | -1.3788 | 0.0487 |
| DTS: Appraisal | -2.1639 | 0.0078 | -2.2013 | 0.0080 |
| DTS: Regulation | 0.7369 | 0.1646 | 1.2503 | 0.0234 |

Unadjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1878 | 0.1767 | 8.6049 | 16.9345 | 0 | 4 | -1,061.718 | 2,135.436 | 2,157.619 | 21,695.08 | 293 | 298 |

Adjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.2527 | 0.2274 | 8.3697 | 9.9585 | 0 | 9 | -969.3852 | 1,960.771 | 2,000.555 | 18,563.79 | 265 | 275 |

**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 | -0.0110 | 0.9782 | 0.1862 | 0.6566 |
| DTS: Absorption | -1.5257 | 0.0003 | -1.5888 | 0.0003 |
| DTS: Appraisal | -1.1470 | 0.0207 | -1.1961 | 0.0194 |
| DTS: Regulation | 0.3179 | 0.3260 | 0.4532 | 0.1821 |

Unadjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1941 | 0.183 | 5.257 | 17.6368 | 0 | 4 | -914.8693 | 1,841.739 | 1,863.921 | 8,097.241 | 293 | 298 |

Adjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1991 | 0.1719 | 5.1697 | 7.3202 | 0 | 9 | -836.8905 | 1,695.781 | 1,735.565 | 7,082.416 | 265 | 275 |

**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 | -0.6848 | 0.5366 | -0.4297 | 0.7069 |
| DTS: Absorption | -5.4112 | 0.0000 | -6.0951 | 0.0000 |
| DTS: Appraisal | -5.1887 | 0.0002 | -4.6970 | 0.0008 |
| DTS: Regulation | 3.0297 | 0.0007 | 3.2054 | 0.0006 |

Unadjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.3224 | 0.3131 | 14.4382 | 34.8517 | 0 | 4 | -1,215.946 | 2,443.891 | 2,466.074 | 61,079.09 | 293 | 298 |

Adjusted model diagnostics

| r.squared | adj.r.squared | sigma | statistic | p.value | df | logLik | AIC | BIC | deviance | df.residual | nobs |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.3483 | 0.3262 | 14.1092 | 15.7365 | 0 | 9 | -1,112.993 | 2,247.986 | 2,287.771 | 52,753.68 | 265 | 275 |