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

**Table 1**. Descriptive statistics at baseline (n = 298).

I’m going to let you arrange and format Table 1 however you want to. The stats you need are below and you should just be able to copy and paste them into position.

Continuous variables

| Variable | Mean (SD) |
| --- | --- |
| Age (years) | 40.0 (11.0) |
| MMSE Total Score | 27.5 (1.9) |
| Current total time homeless (months) | 35.1 (66.0) |
| PHQ-8 score | 7.9 (6.2) |
| GAD-7 total score | 7.4 (5.8) |
| Aggression questionnaire total score | 29.2 (10.8) |
| Urban Life Stress Scale total score | 53.7 (17.4) |
| Distress Tolerance Scale total score | 3.1 (0.9) |
| Tolerance | 3.1 (1.1) |
| Appraisal | 3.3 (1.0) |
| Regulation | 2.8 (1.1) |
| Absorption | 3.2 (1.2) |

Categorical variables

| Variable | Category | n (%) |
| --- | --- | --- |
| Gender | Male | 256 (85.9) |
| Gender | Female | 38 (12.8) |
| Gender | Other | 4 (1.3) |
| Race/Ethnicity | White, non-Hispanic | 50 (16.8) |
| Race/Ethnicity | Black, non-Hispanic | 178 (59.7) |
| Race/Ethnicity | Hispanic, any race | 39 (13.1) |
| Race/Ethnicity | Other race, non-Hispanic | 31 (10.4) |
| Completed high school education | No | 74 (26.9) |
| Completed high school education | Yes | 201 (73.1) |
| Currently receiving treatment for mental health problems | No | 124 (41.6) |
| Currently receiving treatment for mental health problems | Yes | 174 (58.4) |
| PHQ-8 Score greater than 10 | No | 215 (72.1) |
| PHQ-8 Score greater than 10 | Yes | 83 (27.9) |

**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 | -0.1129 | 0.5466 |
| DTS: Absorption | -0.3407 | 0.0663 | -0.3867 | 0.0453 |
| DTS: Appraisal | -0.3310 | 0.1295 | -0.3741 | 0.1027 |
| DTS: Regulation | 0.1900 | 0.1840 | 0.2459 | 0.1079 |

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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1317 | 0.0919 | 2.304 | 3.3104 | 0.0002 | 12 | -613.0776 | 1,254.155 | 1,304.79 | 1,390.808 | 262 | 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 | -0.4296 | 0.5994 |
| DTS: Absorption | -2.4679 | 0.0026 | -2.4607 | 0.0037 |
| DTS: Appraisal | -0.9862 | 0.3035 | -1.0874 | 0.2768 |
| DTS: Regulation | 0.2915 | 0.6422 | 0.8804 | 0.1872 |

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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.1485 | 0.1095 | 10.0633 | 3.8064 | 0 | 12 | -1,018.495 | 2,064.989 | 2,115.624 | 26,532.54 | 262 | 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 | -1.3264 | 0.0531 |
| DTS: Absorption | -1.5061 | 0.0288 | -1.3825 | 0.0499 |
| DTS: Appraisal | -2.1639 | 0.0078 | -2.2406 | 0.0077 |
| DTS: Regulation | 0.7369 | 0.1646 | 1.2637 | 0.0239 |

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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.2542 | 0.2201 | 8.409 | 7.4433 | 0 | 12 | -969.1076 | 1,966.215 | 2,016.85 | 18,526.35 | 262 | 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 | 0.1903 | 0.6507 |
| DTS: Absorption | -1.5257 | 0.0003 | -1.5641 | 0.0003 |
| DTS: Appraisal | -1.1470 | 0.0207 | -1.1975 | 0.0203 |
| DTS: Regulation | 0.3179 | 0.3260 | 0.4689 | 0.1717 |

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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.2075 | 0.1712 | 5.1718 | 5.7177 | 0 | 12 | -835.4369 | 1,698.874 | 1,749.509 | 7,007.937 | 262 | 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 | -0.3972 | 0.7299 |
| DTS: Absorption | -5.4112 | 0.0000 | -6.0220 | 0.0000 |
| DTS: Appraisal | -5.1887 | 0.0002 | -4.5753 | 0.0013 |
| DTS: Regulation | 3.0297 | 0.0007 | 3.0961 | 0.0011 |

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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.351 | 0.3213 | 14.1601 | 11.8094 | 0 | 12 | -1,112.417 | 2,252.834 | 2,303.469 | 52,533.21 | 262 | 275 |

**Explore outliers**







