Pooled TSCYC

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Pre (Jan 21, Dec 21) vs Post (May 21 ,May
22) $\,$

Summary Statistics

\$ResponseLevel		
RL_T_Pre_Mean RL_T_Post_Mean 44.972222 43.555556		
\$AtypicalResponse		
ATR_T_Pre_Mean ATR_T_Post_Mean 66.02778 62.75000		
\$Anxiety		
ANX_T_Pre_Mean ANX_T_Post_Mean 64.13889 60.52778		
\$Depression		
<pre>DEP_T_Pre_Mean DEP_T_Post_Mean</pre>	DEP_T_Pre_SD	DEP_T_Post_SD
66.47222 62.30556	23.64800	15.41209
\$Anger_Aggression		
ANG_T_Pre_Mean ANG_T_Post_Mean	ANG_T_Pre_SD	ANG_T_Post_SD
70.00000 67.61111	17.36334	13.82395
<pre>\$Posttraumatic_Stress_Intrusion</pre>		
PTSI_T_Pre_Mean PTSI_T_Post_Mea	n PTSI_T_Pre_S	D PTSI_T_Post_SD
68.50000 67.4722	24.9897	1 20.65013

\$Posttraumatic_Stress_Avoidance

\$Posttraumatic_Stress_Arousal

PTSAR_T_Pre_Mean PTSAR_T_Post_Mean PTSAR_T_Pre_SD PTSAR_T_Post_SD 72.69444 71.22222 18.35494 15.07147

\$Posttraumatic_Stress_Total

\$Dissociation

\$SexualConcerns

SC_T_Pre_Mean SC_T_Post_Mean SC_T_Pre_SD SC_T_Post_SD 62.05556 62.44444 22.39891 19.65625

T tests

Normality Check

 H_0 : The data is normally distributed. H_1 : The data is not normally distributed.

\$ResponseLevel

\$ResponseLevel\$RL_T_Pre

Shapiro-Wilk normality test

data: newX[, i]

W = 0.7201, p-value = 5.942e-07

\$ResponseLevel\$RL_T_Post

Shapiro-Wilk normality test

data: newX[, i]
W = 0.64572, p-value = 4.391e-08

\$AtypicalResponse
\$AtypicalResponse\$ATR_T_Pre

Shapiro-Wilk normality test

data: newX[, i]
W = 0.7266, p-value = 7.608e-07

\$AtypicalResponse\$ATR_T_Post

Shapiro-Wilk normality test

data: newX[, i]
W = 0.77615, p-value = 5.66e-06

\$Anxiety
\$Anxiety\$ANX_T_Pre

Shapiro-Wilk normality test

data: newX[, i]
W = 0.89628, p-value = 0.002703

\$Anxiety\$ANX_T_Post

Shapiro-Wilk normality test

data: newX[, i]
W = 0.96616, p-value = 0.33

\$Depression
\$Depression\$DEP_T_Pre

Shapiro-Wilk normality test

data: newX[, i]

W = 0.86873, p-value = 0.0005298

\$Depression\$DEP_T_Post

Shapiro-Wilk normality test

data: newX[, i]

W = 0.92676, p-value = 0.01998

\$Anger_Aggression
\$Anger_Aggression\$ANG_T_Pre

Shapiro-Wilk normality test

data: newX[, i]

W = 0.96414, p-value = 0.2874

\$Anger_Aggression\$ANG_T_Post

Shapiro-Wilk normality test

data: newX[, i]

W = 0.97998, p-value = 0.7449

\$Posttraumatic_Stress_Intrusion

 ${\tt \$Posttraumatic_Stress_Intrusion\$PTSI_T_Pre}$

Shapiro-Wilk normality test

data: newX[, i]

W = 0.84098, p-value = 0.0001188

 ${\tt \$Posttraumatic_Stress_Intrusion\$PTSI_T_Post}$

Shapiro-Wilk normality test

data: newX[, i]

W = 0.90844, p-value = 0.005852

\$Posttraumatic_Stress_Avoidance
\$Posttraumatic_Stress_Avoidance\$PTSAV_T_Pre

Shapiro-Wilk normality test

data: newX[, i]

W = 0.79824, p-value = 1.503e-05

\$Posttraumatic_Stress_Avoidance\$PTSAV_T_Post

Shapiro-Wilk normality test

data: newX[, i]

W = 0.91853, p-value = 0.0114

\$Posttraumatic_Stress_Arousal
\$Posttraumatic_Stress_Arousal\$PTSAR_T_Pre

Shapiro-Wilk normality test

data: newX[, i]
W = 0.96662, p-value = 0.3404

\$Posttraumatic_Stress_Arousal\$PTSAR_T_Post

Shapiro-Wilk normality test

data: newX[, i]
W = 0.97945, p-value = 0.7269

\$Posttraumatic_Stress_Total
\$Posttraumatic_Stress_Total\$PTS_TOT_T_Pre

Shapiro-Wilk normality test

data: newX[, i]
W = 0.86988, p-value = 0.0005653

\$Posttraumatic_Stress_Total\$PTS_TOT_T_Post

Shapiro-Wilk normality test

data: newX[, i] W = 0.95817, p-value = 0.1887

\$Dissociation
\$Dissociation\$DIS_T_Pre

Shapiro-Wilk normality test

data: newX[, i]
W = 0.92027, p-value = 0.01282

```
$Dissociation$DIS_T_Post
    Shapiro-Wilk normality test
data: newX[, i]
W = 0.92519, p-value = 0.01793
$SexualConcerns
$SexualConcerns$SC_T_Pre
    Shapiro-Wilk normality test
data: newX[, i]
W = 0.72909, p-value = 8.37e-07
$SexualConcerns$SC_T_Post
    Shapiro-Wilk normality test
data: newX[, i]
W = 0.80761, p-value = 2.314e-05
Homogeneity of variances Check
H_0: The variances of the groups are equal. H_1: The variances of the groups are not equal.
$ResponseLevel
# A tibble: 1 x 4
    df1 df2 statistic
  <int> <int>
                  <dbl> <dbl>
                  0.736 0.394
1 1 70
$AtypicalResponse
# A tibble: 1 x 4
    df1 df2 statistic
```

<int> <int> <dbl> <dbl> 1 1 70 0.904 0.345 \$Anxiety # A tibble: 1 x 4 df1 df2 statistic <int> <int> <dbl> <dbl> 1 1 70 3.60 0.0619 \$Depression # A tibble: 1 x 4 df1 df2 statistic <dbl> <dbl> <int> <int> 1 1 70 3.39 0.0700 \$Anger_Aggression # A tibble: 1 x 4 df1 df2 statistic <int> <int> <dbl> <dbl> 1 1 70 2.06 0.156 \$Posttraumatic_Stress_Intrusion # A tibble: 1 x 4 df1 df2 statistic <int> <int> <dbl> <dbl> 0.587 0.446 1 1 70 \$Posttraumatic_Stress_Avoidance # A tibble: 1 x 4 df1 df2 statistic <int> <int> <dbl> <dbl> 1 1 70 1.20 0.277 \$Posttraumatic_Stress_Arousal # A tibble: 1 x 4 df1 df2 statistic <int> <int> <dbl> <dbl> 1 1 70 1.10 0.299

```
$Posttraumatic_Stress_Total
# A tibble: 1 x 4
    df1 df2 statistic
  <int> <int>
                 <dbl> <dbl>
1 1 70
                  2.49 0.119
$Dissociation
# A tibble: 1 x 4
    df1 df2 statistic
                 <dbl> <dbl>
 <int> <int>
1 1 70
                  2.19 0.143
$SexualConcerns
# A tibble: 1 x 4
    df1 df2 statistic
  <int> <int>
                 <dbl> <dbl>
1 1 70 0.000173 0.990
T Tests (Alternative = two.sided)
$ResponseLevel
    Paired t-test
data: T_Score by Scale
t = -1.722, df = 35, p-value = 0.09389
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
-3.086775 0.253442
sample estimates:
mean difference
     -1.416667
$AtypicalResponse
    Paired t-test
data: T_Score by Scale
```

```
t = -1.0724, df = 35, p-value = 0.2909
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
 -9.482818 2.927263
sample estimates:
mean difference
      -3.277778
$Anxiety
    Paired t-test
data: T_Score by Scale
t = -1.627, df = 35, p-value = 0.1127
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
-8.1167790 0.8945568
sample estimates:
mean difference
      -3.611111
$Depression
    Paired t-test
data: T_Score by Scale
t = -1.4525, df = 35, p-value = 0.1553
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
 -9.990411 1.657078
sample estimates:
mean difference
      -4.166667
```

\$Anger_Aggression

Paired t-test

data: T_Score by Scale
t = -0.93186, df = 35, p-value = 0.3578
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
 -7.593204 2.815426
sample estimates:
mean difference
 -2.388889

\$Posttraumatic_Stress_Intrusion

Paired t-test

data: T_Score by Scale
t = -0.46188, df = 35, p-value = 0.647
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
 -5.545197 3.489641
sample estimates:
mean difference
 -1.027778

\$Posttraumatic_Stress_Avoidance

Paired t-test

\$Posttraumatic_Stress_Arousal

Paired t-test

data: T_Score by Scale
t = -0.61345, df = 35, p-value = 0.5435
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
 -6.344271 3.399826
sample estimates:
mean difference
 -1.472222

\$Posttraumatic_Stress_Total

Paired t-test

data: T_Score by Scale
t = -0.1052, df = 35, p-value = 0.9168
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
 -5.638339 5.082783
sample estimates:
mean difference
 -0.2777778

\$Dissociation

Paired t-test

data: T_Score by Scale t = -2.2744, df = 35, p-value = 0.02918 alternative hypothesis: true mean difference is not equal to 0 95 percent confidence interval: -7.9909076 -0.4535369 sample estimates:

```
mean difference
      -4.222222
$SexualConcerns
    Paired t-test
data: T Score by Scale
t = 0.17714, df = 35, p-value = 0.8604
alternative hypothesis: true mean difference is not equal to 0
95 percent confidence interval:
-4.067875 4.845653
sample estimates:
mean difference
      0.3888889
Sign Test (Alternative = two.sided)
$ResponseLevel
# A tibble: 1 x 7
  .у.
          group1
                    group2
                                n1
                                      n2 statistic
* <chr>
         <chr>
                    <chr>
                             <int> <int>
                                             <dbl> <dbl>
1 T_Score RL_T_Post RL_T_Pre
                                36
                                      36
                                                25 0.0803
$AtypicalResponse
# A tibble: 1 x 7
  .у.
          group1
                     group2
                                  n1
                                        n2 statistic
* <chr>
         <chr>
                     <chr>
                               <int> <int>
                                               <dbl> <dbl>
1 T_Score ATR_T_Post ATR_T_Pre
                                  36
                                                  54 0.296
                                        36
$Anxiety
# A tibble: 1 x 7
          group1
                     group2
                                  n1
                                        n2 statistic
  .у.
* <chr>
         <chr>
                     <chr>
                                               <dbl> <dbl>
                               <int> <int>
1 T_Score ANX_T_Post ANX_T_Pre
                                  36
                                        36
                                                136. 0.132
```

\$Depression
A tibble: 1 x 7

- \$Anger_Aggression
- # A tibble: 1 x 7
- \$Posttraumatic_Stress_Intrusion
- # A tibble: 1 x 7
- \$Posttraumatic_Stress_Avoidance
- # A tibble: 1 x 7
- \$Posttraumatic Stress Arousal
- # A tibble: 1 x 7
- \$Posttraumatic_Stress_Total
- # A tibble: 1 x 7
- \$Dissociation
- # A tibble: 1 x 7

```
$SexualConcerns
# A tibble: 1 x 7
  .у.
          group1
                    group2
                                n1
                                       n2 statistic
                                                        р
* <chr>
          <chr>
                    <chr>
                             <int> <int>
                                              <dbl> <dbl>
1 T_Score SC_T_Post SC_T_Pre
                                36
                                       36
                                               58.5 0.73
Cohen D (Effect Size)
$ResponseLevel
# A tibble: 1 x 7
  .у.
          group1
                    group2
                             effsize
                                         n1
                                               n2 magnitude
* <chr>
          <chr>
                    <chr>
                                <dbl> <int> <int> <ord>
1 T_Score RL_T_Post RL_T_Pre -0.287
                                               36 small
$AtypicalResponse
# A tibble: 1 x 7
  .у.
          group1
                     group2
                               effsize
                                           n1
                                                 n2 magnitude
* <chr>
          <chr>
                     <chr>
                                  <dbl> <int> <int> <ord>
1 T_Score ATR_T_Post ATR_T_Pre -0.179
                                                 36 negligible
                                           36
$Anxiety
# A tibble: 1 x 7
                                                 n2 magnitude
  .у.
          group1
                     group2
                               effsize
                                           n1
* <chr>
          <chr>>
                     <chr>
                                  <dbl> <int> <int> <ord>
1 T_Score ANX_T_Post ANX_T_Pre -0.271
                                           36
                                                 36 small
$Depression
# A tibble: 1 x 7
                               effsize
                                                 n2 magnitude
  .y.
          group1
                     group2
                                           n1
* <chr>
          <chr>
                     <chr>
                                  <dbl> <int> <int> <ord>
1 T_Score DEP_T_Post DEP_T_Pre -0.242
                                           36
                                                 36 small
$Anger_Aggression
# A tibble: 1 x 7
  .у.
          group1
                     group2
                               effsize
                                           n1
                                                 n2 magnitude
* <chr>
          <chr>
                     <chr>
                                  <dbl> <int> <int> <ord>
```

1 T_Score ANG_T_Post ANG_T_Pre -0.155

36 negligible

\$Posttraumatic_Stress_Intrusion

- # A tibble: 1 x 7
- .y. group1 group2 effsize n1 n2 magnitude
- 1 T_Score PTSI_T_Post PTSI_T_Pre -0.0770 36 36 negligible

\$Posttraumatic Stress Avoidance

- # A tibble: 1 x 7
- .y. group1 group2 effsize n1 n2 magnitude
- 1 T_Score PTSAV_T_Post PTSAV_T_Pre 0.0863 36 36 negligible

\$Posttraumatic_Stress_Arousal

- # A tibble: 1 x 7
- .y. group1 group2 effsize n1 n2 magnitude
- 1 T_Score PTSAR_T_Post PTSAR_T_Pre -0.102 36 36 negligible

\$Posttraumatic_Stress_Total

- # A tibble: 1 x 7
 - .y. group1 group2 effsize n1 n2 magnitude
- * <chr> <chr> <chr> <chr> <dbl> <int> <ord>
- 1 T_Score PTS_TOT_T_Post PTS_TOT_T_Pre -0.0175 36 36 negligible

\$Dissociation

- # A tibble: 1 x 7
- .y. group1 group2 effsize n1 n2 magnitude
- 1 T_Score DIS_T_Post DIS_T_Pre -0.379 36 36 small

\$SexualConcerns

- # A tibble: 1 x 7
 - .y. group1 group2 effsize n1 n2 magnitude
- 1 T_Score SC_T_Post SC_T_Pre 0.0295 36 36 negligible