

Panic x RF Preliminary Analyses

2025-02-06

I. Sample Characteristics

Include individuals with above threshold panic or agoraphobia (e.g., participants who met threshold for the panic tx package)

Table 1: Table 1: Demographic Characteristics

| Demographic Measure | Treatment Group | |
|------------------------|-----------------|-----------|
| | Other | Panic |
| N | 94.000000 | 38.000000 |
| mean_age | 25.913869 | 26.221619 |
| sd_age | 5.937972 | 5.866834 |
| n_male | 13.000000 | 9.000000 |
| perc_male | 13.829787 | 23.684210 |
| n_female | 73.000000 | 29.000000 |
| perc_female | 77.659575 | 76.315789 |
| n_transgender | 4.000000 | 0.000000 |
| perc_transgender | 4.255319 | 0.000000 |
| n_other_gender | 2.000000 | 0.000000 |
| perc_other_gender | 2.127660 | 0.000000 |
| n_prefer_not_gender | 2.000000 | 0.000000 |
| perc_prefer_not_gender | 2.127660 | 0.000000 |
| n_white | 41.000000 | 12.000000 |
| perc_white | 43.617021 | 31.578947 |
| n_black | 4.000000 | 1.000000 |
| perc_black | 4.255319 | 2.631579 |
| n_asian | 6.000000 | 3.000000 |
| perc_asian | 6.382979 | 7.894737 |
| n_native | 5.000000 | 4.000000 |
| perc_native | 5.319149 | 10.526316 |
| n_pacific_islander | 2.000000 | 0.000000 |
| perc_pacific_islander | 2.127660 | 0.000000 |
| n_multiracial | 15.000000 | 10.000000 |
| perc_multiracial | 15.957447 | 26.315790 |
| n_other_race | 21.000000 | 8.000000 |
| perc_other_race | 22.340425 | 21.052632 |
| n_hispanic | 83.000000 | 32.000000 |
| perc_hispanic | 88.297872 | 84.210526 |
| n_non_hispanic | 11.000000 | 6.000000 |
| perc_non_hispanic | 11.702128 | 15.789474 |

Demographics

Clinical Characteristics at Baseline

Exploring Number of PDSS observations

Distribution of PDSS Total Scores (Panic Package Group)

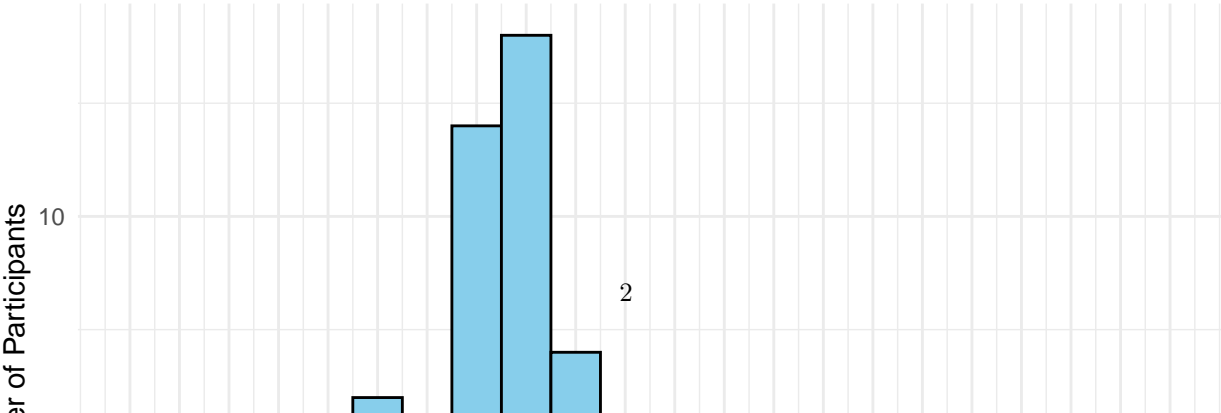


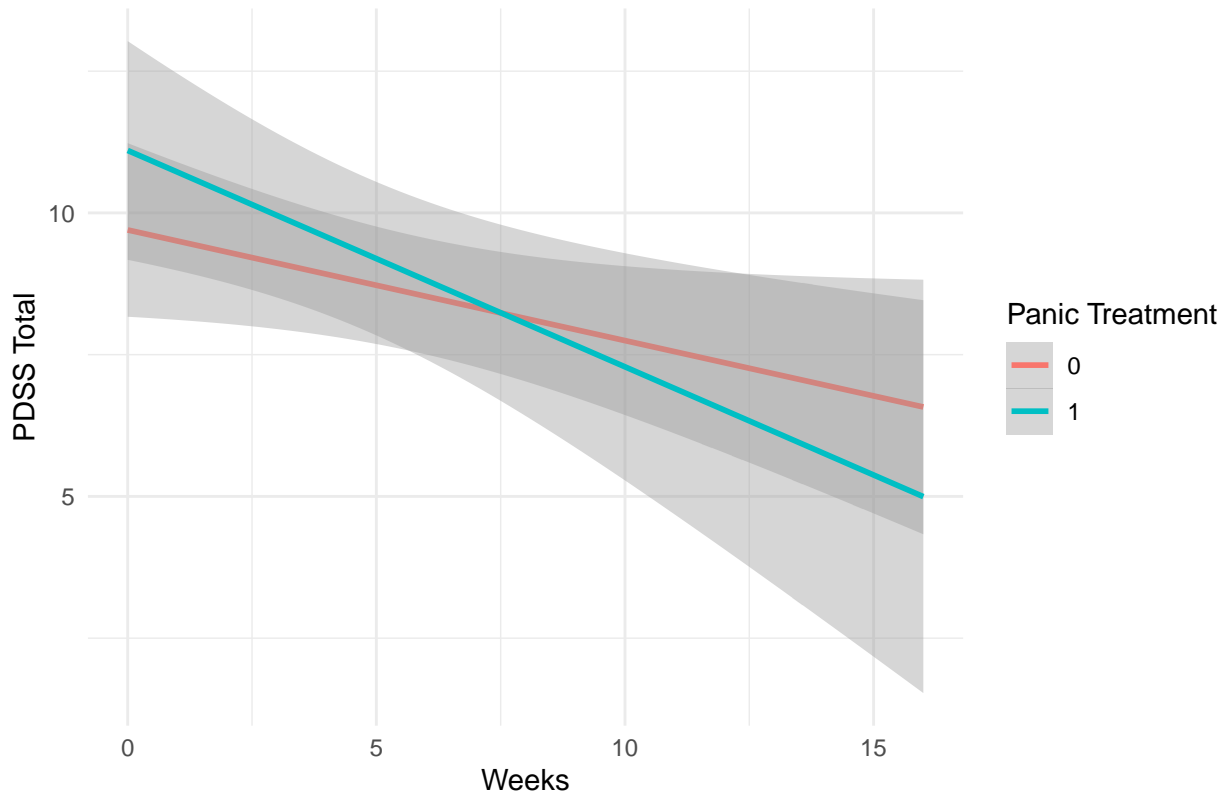
Table 2: Table 2: Clinical Characteristics at Baseline

| Clinical Measure | Treatment Group | |
|--------------------|-----------------|-----------|
| | Other | Panic |
| N | 94.000000 | 38.000000 |
| mean_n_disorders | 4.574468 | 2.789474 |
| sd_n_disorders | 1.417929 | 2.042228 |
| mean_total_modules | 3.904255 | 3.789474 |
| sd_total_modules | 2.881417 | 2.132856 |
| mean_coaching_sess | 4.924731 | 4.394737 |
| sd_coaching_sess | 3.044013 | 2.594584 |
| mean_pdss_total | 11.000000 | 11.736842 |
| sd_pdss_total | 4.437216 | 5.237070 |

Symptom Trajectory Plots

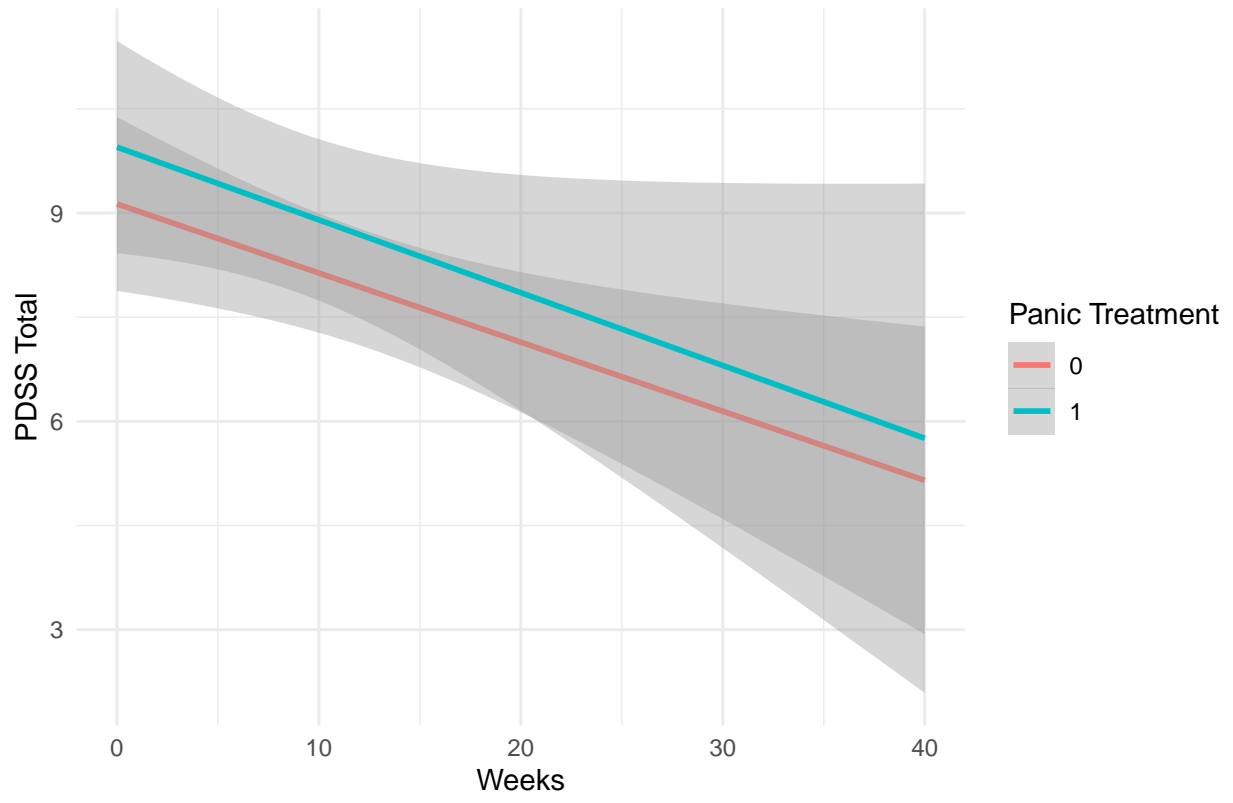
PDSS symptom trajectories by treatment group, acute treatment phase (Weeks 0-16)

PDSS Total Over Time by Treatment Group



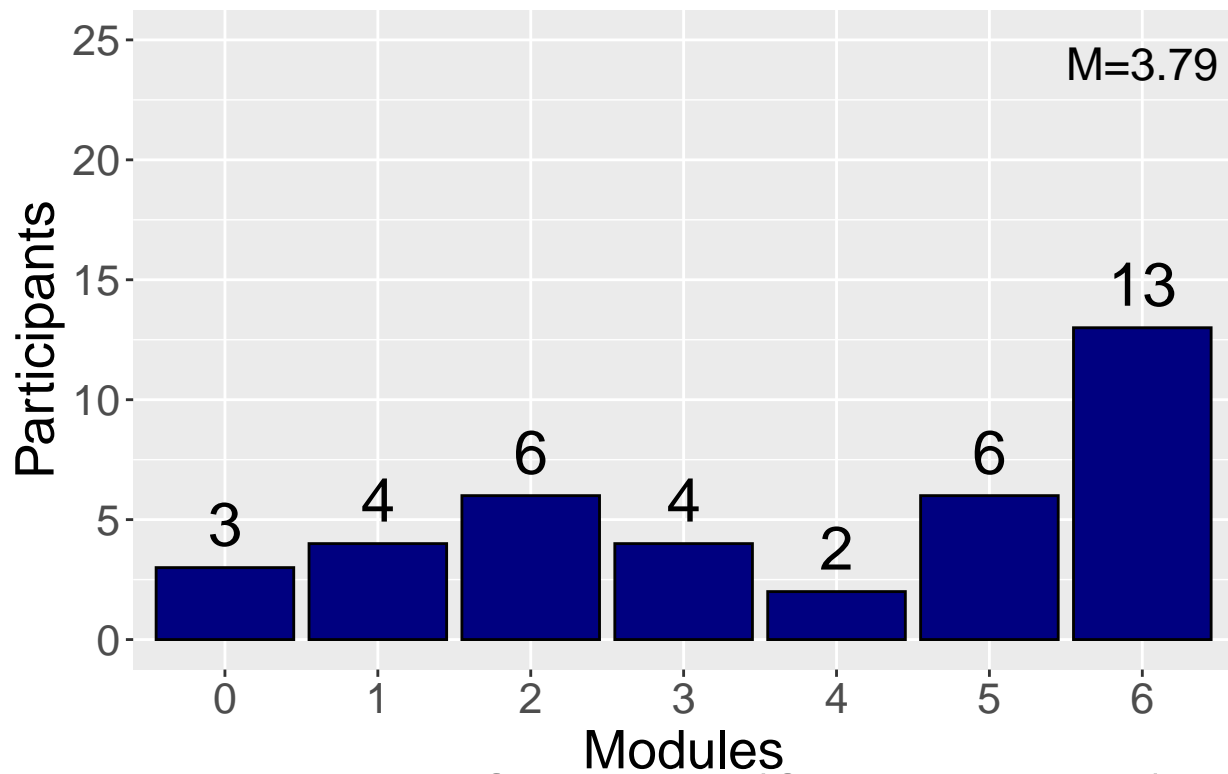
PDSS symptom trajectories by treatment group, weeks 0-40.

PDSS Total Over Time by Treatment Group

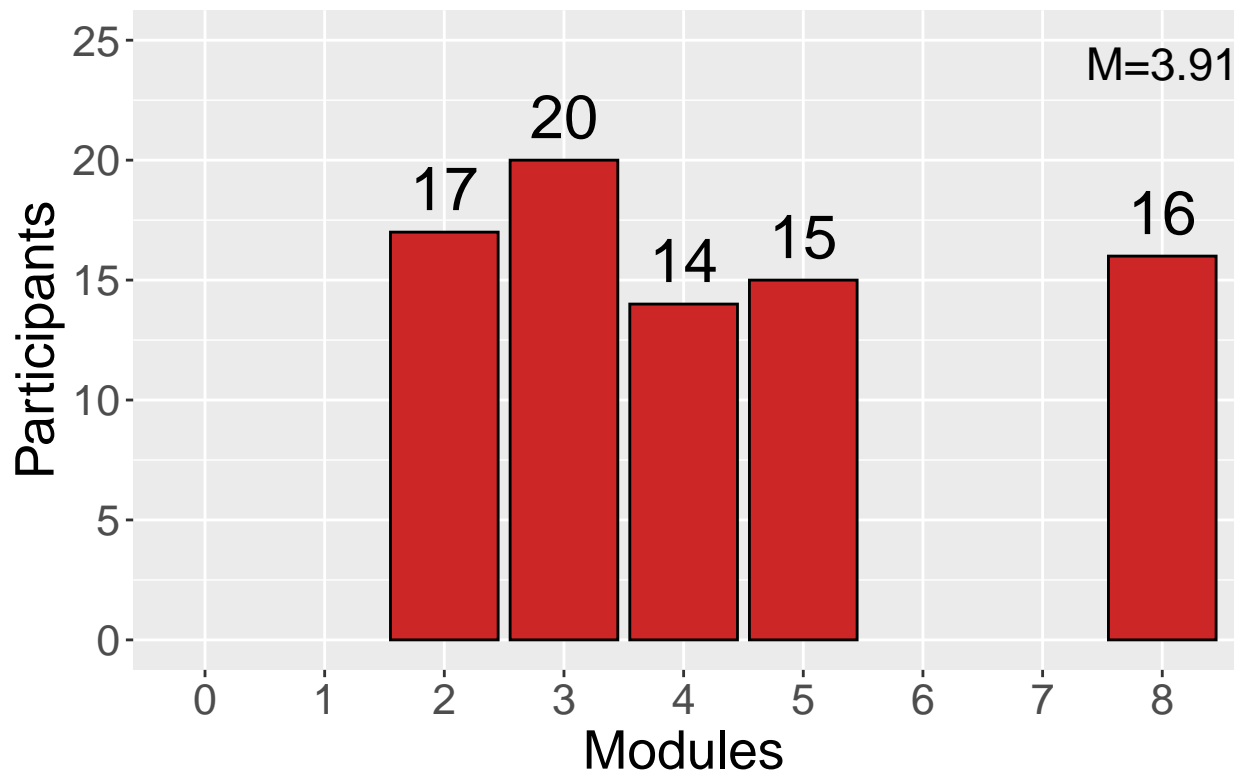


Visualize Module Completion

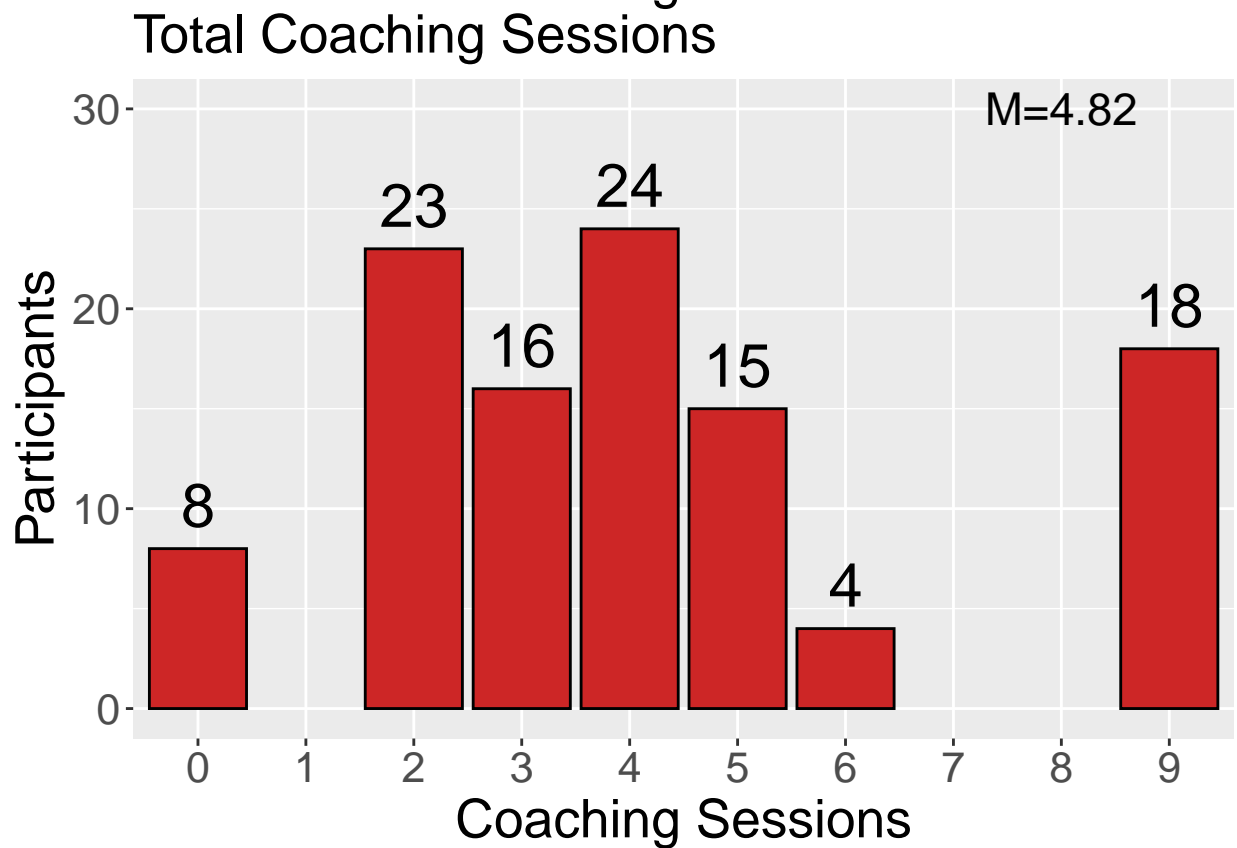
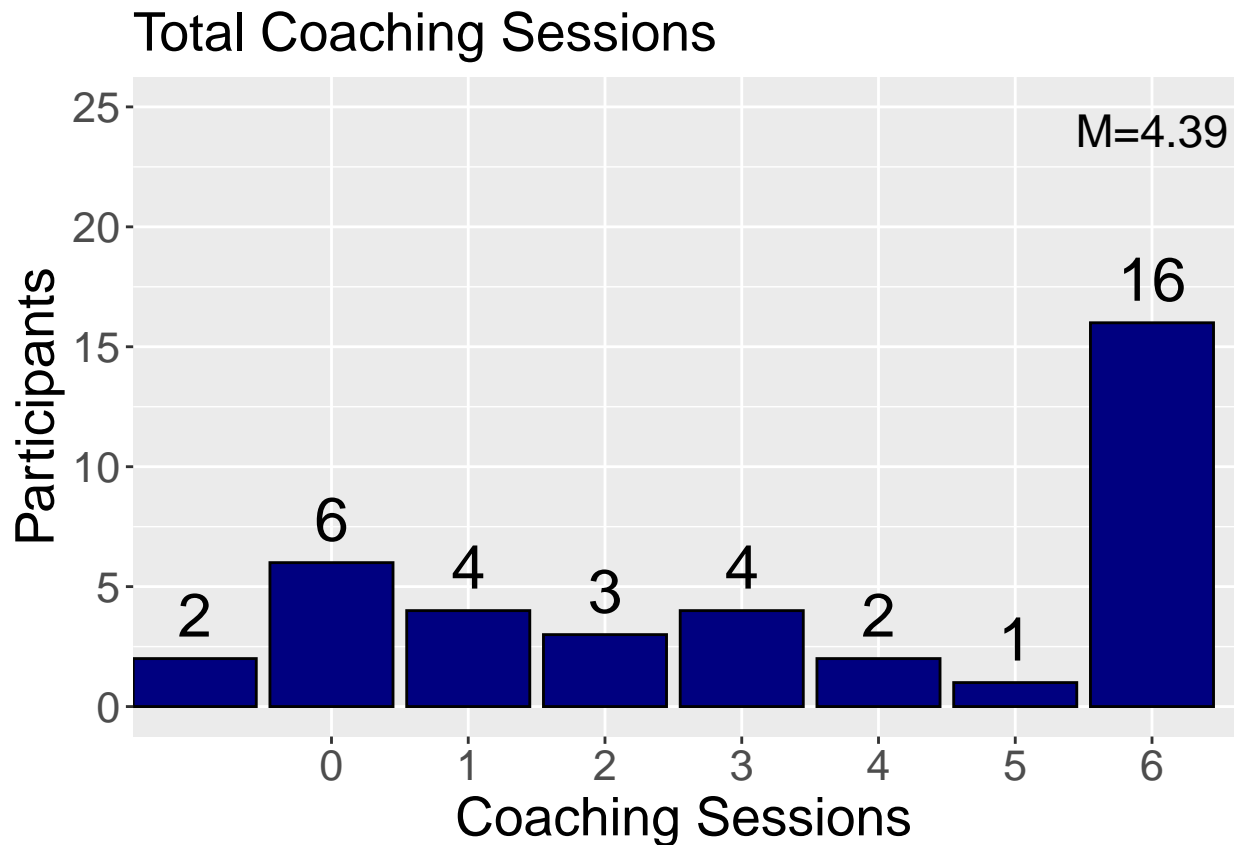
Total Modules Completed (Panic Treatment)



Total Modules Completed (Other Treatment)



Visualize Coaching Session Attendance



PDSS symptoms at baseline - GGM

```

##
## Parameters for group fullsample
## - mu
## var1 op var2 est se p row col par
## p1 ~1 1.54 0.11 < 0.0001 1 1 1
## p2 ~1 2.12 0.11 < 0.0001 2 1 2
## p3 ~1 1.45 0.13 < 0.0001 3 1 3
## p4 ~1 1.88 0.11 < 0.0001 4 1 4
## p5 ~1 1.17 0.13 < 0.0001 5 1 5
## p6 ~1 1.40 0.13 < 0.0001 6 1 6
## p7 ~1 1.66 0.11 < 0.0001 7 1 7
##
## - omega (symmetric)
## var1 op var2 est se p row col par
## p2 -- p1 0.63 0.076 < 0.0001 2 1 8
## p3 -- p1 -0.10 0.12 0.39 3 1 9
## p4 -- p1 0.12 0.12 0.34 4 1 10
## p5 -- p1 0.015 0.12 0.90 5 1 11
## p6 -- p1 0.20 0.12 0.085 6 1 12
## p7 -- p1 -0.025 0.12 0.84 7 1 13
## p3 -- p2 0.44 0.10 < 0.0001 3 2 14
## p4 -- p2 -0.18 0.12 0.12 4 2 15
## p5 -- p2 0.062 0.12 0.61 5 2 16
## p6 -- p2 0.14 0.12 0.24 6 2 17
## p7 -- p2 0.011 0.12 0.93 7 2 18
## p4 -- p3 -0.079 0.12 0.52 4 3 19
## p5 -- p3 0.22 0.12 0.057 5 3 20
## p6 -- p3 -0.019 0.12 0.88 6 3 21
## p7 -- p3 0.20 0.12 0.091 7 3 22
## p5 -- p4 0.36 0.11 0.00095 5 4 23
## p6 -- p4 -0.17 0.12 0.15 6 4 24
## p7 -- p4 0.37 0.11 0.00056 7 4 25
## p6 -- p5 0.082 0.12 0.50 6 5 26
## p7 -- p5 0.087 0.12 0.48 7 5 27
## p7 -- p6 0.47 0.096 < 0.0001 7 6 28
##
## - delta (diagonal)
## var1 op var2 est se p row col par
## p1 ~/~ p1 0.56 0.049 < 0.0001 1 1 29
## p2 ~/~ p2 0.50 0.044 < 0.0001 2 2 30
## p3 ~/~ p3 0.72 0.063 < 0.0001 3 3 31
## p4 ~/~ p4 0.73 0.064 < 0.0001 4 4 32
## p5 ~/~ p5 0.84 0.073 < 0.0001 5 5 33
## p6 ~/~ p6 0.72 0.063 < 0.0001 6 6 34
## p7 ~/~ p7 0.64 0.056 < 0.0001 7 7 35
##
## Top 10 modification indices:
##
## var1 op var2 est mi pmi epc matrix row col group group_id
## p6 -- p2 0 20.56 < 0.0001 0.26 omega 6 2 fullsample 1
## p6 -- p1 0 19.50 < 0.0001 0.29 omega 6 1 fullsample 1
## p7 -- p3 0 12.97 0.00032 0.26 omega 7 3 fullsample 1
## p6 -- p3 0 12.22 0.00047 0.27 omega 6 3 fullsample 1

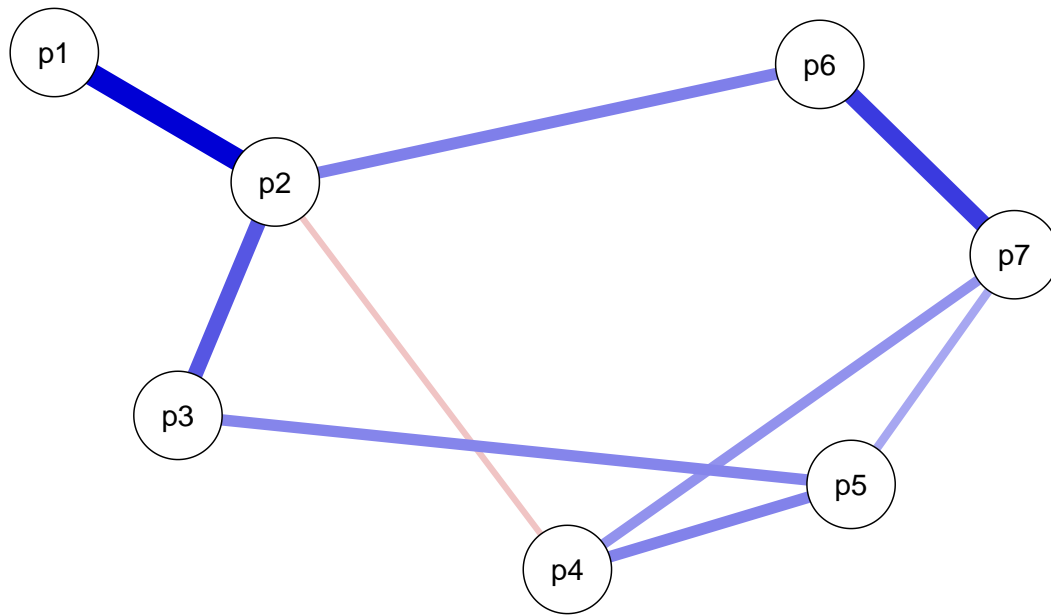
```

```

##      p5 --   p3   0 11.71  0.00062 0.30  omega   5   3 fullsample      1
##      p7 --   p2   0 10.21  0.0014 0.17  omega   7   2 fullsample      1
##      p7 --   p1   0  9.00  0.0027 0.18  omega   7   1 fullsample      1
##      p5 --   p2   0  7.78  0.0053 0.18  omega   5   2 fullsample      1
##      p7 --   p5   0  7.64  0.0057 0.28  omega   7   5 fullsample      1
##      p5 --   p1   0  6.38   0.012 0.19  omega   5   1 fullsample      1

##          Measure      Value
##          logl -531.81
##  unrestricted.logl -526.07
##      baseline.logl -625.15
##          nvar         7
##          nobs        35
##          npar        23
##          df          12
##      objective      3.50
##          chisq      11.48
##          pvalue      0.49
##      baseline.chisq 198.17
##      baseline.npar    14
##      baseline.df     21
##      baseline.pvalue  ~ 0
##          nfi         0.94
##          pnfi        0.54
##          tli         1.01
##          nnfi        1.01
##          rfi         0.90
##          ifi         1.00
##          rni         1.00
##          cfi         1
##          rmsea       ~ 0
##      rmsea.ci.lower  ~ 0
##      rmsea.ci.upper  0.12
##      rmsea.pvalue    0.63
##          aic.ll      1109.62
##          aic.ll2     1136.55
##          aic.x       -12.52
##          aic.x2       57.48
##          bic         1159.64
##          bic2        1087.24
##          ebic.25     1204.39
##          ebic.5      1249.15
##          ebic.75     1284.95
##          ebic1       1338.66

```

p1 = Frequency of panic attacks during past week
p2 = Distress during panic attacks
p3 = Anxiety about future attacks
p4 = Avoidance of places/situations associated with panic attacks
p5 = Avoidance of physical sensations associated with panic attacks
p6 = Interference with daily life
p7 = Interference with social life

PTCI Baseline Network