Supplementary materials
S1. Probability curves of the four-category GAD-7 rating scale

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P       -+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-
R   1.0 +                                                            +
O       |                                                            |
B       |                                                          3|
A       |0                                                      33  |
B   .8 + 0                  111                            33      +
I       |   00           111    111                      33        |
L       |     0        11        11                     3          |
I       |   00        11          11          222      3           |
T   .6 +      0      1            1      22   222    33            +
Y       |       0  1             1    22        22  3              |
    .5 +        *1                 122          23                +
O       |      1 00                211          322                |
F   .4 +     1      0              2   1        3   2             +
        |    1       0            22      1     3     2             |
R       |   11        0          2         1   33       22          |
E       |  1           00       22        11  3          22         |
S   .2 + 11             00      2            13            2      +
P       |1             00 222               3311            222 |
O       |            22*00           333      11            2|
N       |          22222     00000  33333          11111          |
S   .0 +**************333333333333333**00000000000000000000**********+
E       -+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-
          -5    -4    -3    -2    -1     0     1     2     3     4     5
          PERSON [MINUS] ITEM MEASURE
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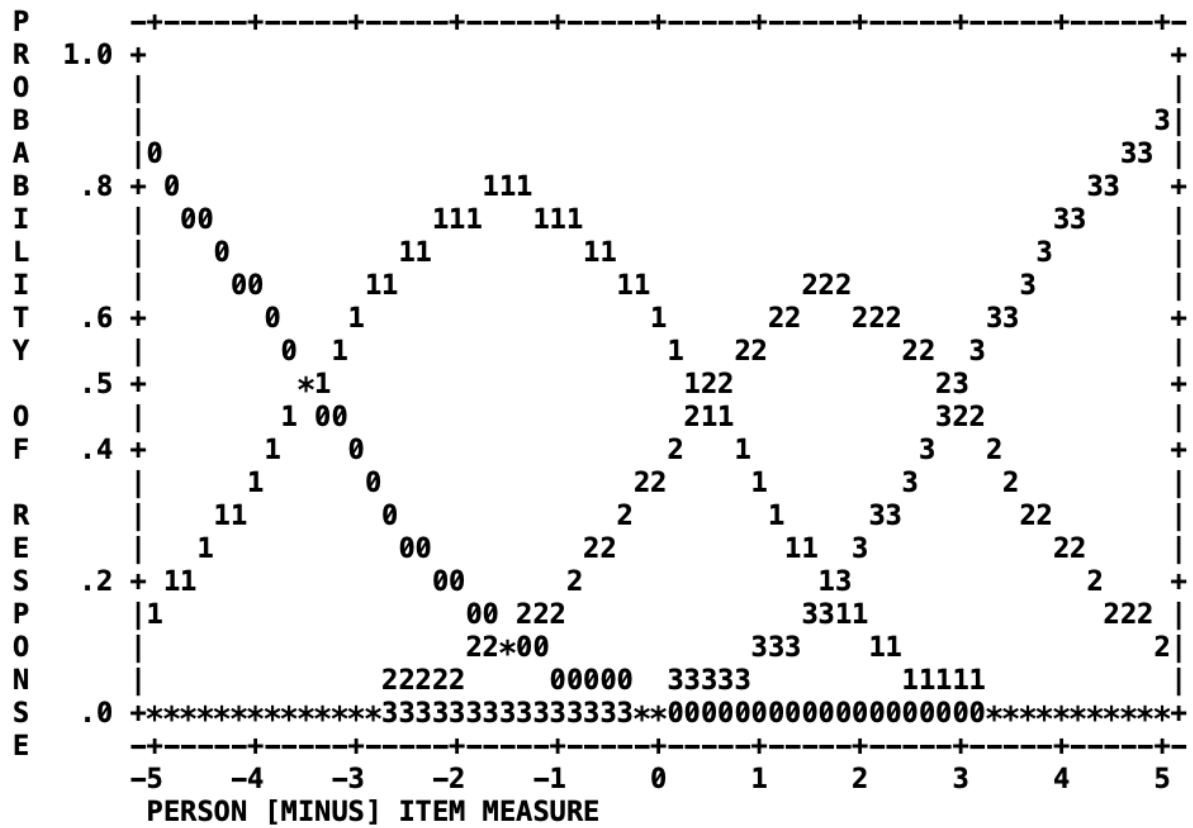
S2. Output of principal component analysis of the item standardised residuals.

	Eigenvalue	Observed
Total raw variance in observations	17.6313	100.0%
Raw variance explained by measures	10.6313	60.3%
Raw variance explained by persons	8.8735	50.3%
Raw variance explained by items	1.7578	10.0%
Raw unexplained variance (total)	7.0000	39.7%
Unexplained variance in 1st contrast	1.4518	8.2%
Unexplained variance in 2nd contrast	1.3220	7.5%
Unexplained variance in 3rd contrast	1.2357	7.0%
Unexplained variance in 4th contrast	1.1170	6.3%
Unexplained variance in 5th contrast	0.9605	5.4%

S3. Largest standardised residual correlation for local dependence analysis.

Item	Item	Correlation
2	3	.07
4	7	−.27
2	6	−.27
3	6	−.25
4	6	−.22
3	5	−.22
1	3	−.21
1	5	−.20
2	5	−.19
1	7	−.18
1	4	−.18
2	4	−.18
3	7	−.18
5	6	−.16
6	7	−.15
3	4	−.14
2	7	−.14
1	6	−.13
1	2	−.12
5	7	−.08

S4. Posteriori factor analysis of goemin-rotated factor loadings for the two-factor structure.

	Factor 1	Factor 2
1. Feeling nervous, anxious, or on edge	0.515	0.301
2. Not being able to stop or control worrying	0.818*	0.040
3. Worrying too much about different things	0.877*	−0.018
4. Trouble relaxing	0.356	0.475*
5. Being so restless that it's hard to sit still	−0.003	0.851*
6. Becoming easily annoyed or irritable	0.249	0.506
7. Feeling afraid as if something awful might happen	0.281	0.448
CFI	0.970	
TLI	0.921	
SRMR	0.013	
RMSEA	0.099 (0.089, 0.109)	

CFI = comparative fit index (CFI), TLI = Tucker-Lewis index (TLI), RMSEA = root mean square error of approximation, and SRMR = standardised root-mean-square residual (SRMR). * $p < .05$