

Table A. Indicators of unidimensionality of BSI, 4DSQ, and OQ scales

Scale	Baseline χ^2	Model χ^2	df	χ^2/df	χ^2 difference	CFI	TLI	SRMR	RMSEA	CI90
BSI-GSI	475591.09***	80218.07***	1325	60.54	395373.02	.83	.83	.08	.10	.10 - .10
BSI-DEP	97209.78***	618.53***	9	68.73	96591.25	.99	.99	.02	.10	.10 - .11
BSI-ANX	94460.47***	1705.34***	9	189.48	92755.13	.98	.97	.06	.17	.16 - .18
BSI-SOM	30837.13***	546.71***	14	39.05	30290.42	.98	.97	.03	.08	.07 - .08
4DSQ-DIST	146802.08***	7364.80***	104	70.82	139437.28	.95	.94	.07	.11	.11 - .11
4DSQ-DEP	80477.99***	210.88***	9	23.43	80267.11	1.00	1.00	.03	.06	.06 - .07
4DSQ-ANX	23761.97***	327.46***	27	12.13	23434.51	.99	.98	.04	.04	.04 - .05
4DSQ-SOM	41002.46***	4053.28***	104	38.97	36949.18	.90	.89	.08	.08	.08 - .09
OQ-TOT	215853.62***	60939.08***	902	67.56	154914.54	.72	.71	.06	.07	.07 - .08
OD-SD	140389.78***	24285.67***	252	96.37	116104.11	.83	.81	.06	.09	.09 - .09
OQ-IR	36415.22***	4469.55***	44	101.58	31945.67	.88	.85	.06	.09	.09 - .09
OQ-SR	21242.51***	5132.62***	27	190.10	16109.89	.76	.68	.08	.12	.12 - .12
OQ-ASD	54395.06***	6983.00***	65	107.43	47412.06	.87	.85	.05	.09	.09 - .09

*p < .05, **p < .01, ***p < .001

Note: For BSI and DSQ response categories were considered as ordered and robust (scaled) indicators are presented. Indicators in bold indicate insufficient unidimensionality.

BSI: GSI= Global Severity Index; DEP=Depression; ANX=Anxiety SOM=Somatic complaints

4DSQ: DIST=Distress, DEP=Depression, ANX=Anxiety, SOM=Somatization

OQ-45: TOT= Total score, SD=Symptomatic Distress, IR=Interpersonal Relationships, SR=Social Role, ASD=Anxiety and Social Distress;

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Table B. Indicators of correspondence between theta-based and calculated T-scores for the population sample (upper section) and the clinical sample (lower section), separately.

Scale	ICC-A	CI95	ICC-C	CI95	Bias	Perc. Err.	CI95+	CI95-	> 5 %	Difference -5 and 5 %	< -5 %
BSI-GSI	.99	.98 - .99	.99	.99 - .99	-0.56	11.0	-3.30	2.19	0.90	99.10	0.00
BSI-DEP	.98	.86 - .99	.99	.99 - .99	-1.15	8.7	-3.35	1.06	1.14	98.86	0.00
BSI-ANX	.94	.59 - .98	.97	.97 - .97	-2.07	15.0	-5.88	1.75	5.84	94.16	0.00
BSI-SOM	.96	.6 - .99	.99	.98 - .99	-1.70	10.6	-4.40	1.01	3.73	96.27	0.00
4DSQ-DIST	.99	.99 - .99	.99	.99 - .99	-0.03	8.3	-2.10	2.04	0.00	100.00	0.00
4DSQ-DEP	.99	.99 - .99	.99	.99 - .99	-0.17	2.8	-0.87	0.53	0.00	100.00	0.00
4DSQ-ANX	.99	.99 - .99	.99	.99 - .99	-0.13	7.2	-1.94	1.69	0.47	99.53	0.00
4DSQ-SOM	.99	.99 - .99	.99	.99 - .99	-0.11	8.9	-2.33	2.11	0.00	100.00	0.00
OQ-TOT	.97	.96 - .98	.98	.97 - .98	-0.82	16.0	-4.82	3.19	3.18	96.66	0.17
OQ-SD	.97	.94 - .98	.98	.98 - .98	-1.08	15.1	-4.88	2.72	2.73	97.27	0.00
OQ-IR	.92	.79 - .96	.94	.94 - .95	-1.96	22.5	-7.68	3.76	13.54	85.74	0.72
OQ-SR	.91	.9 - .92	.91	.91 - .92	-0.65	26.5	-7.29	5.99	10.70	85.55	3.75
OQ-ASD	.95	.78 - .98	.97	.97 - .98	-1.84	16.1	-5.91	2.24	7.13	92.87	0.00
Scale	ICC-A	CI95	ICC-C	CI95	Bias	Perc. Err.	CI95+	CI95-	%	%	%
BSI-GSI	.99	.99 - .99	.99	.99 - .99	0.14	8.4	-2.64	2.93	0.49	99.45	0.06
BSI-DEP	.99	.99 - .99	.99	.99 - .99	0.41	9.5	-2.80	3.61	0.65	99.35	0.00
BSI-ANX	.97	.96 - .97	.97	.97 - .97	0.68	15.1	-4.28	5.65	2.23	95.64	2.13
BSI-SOM	.99	.99 - .99	.99	.99 - .99	0.57	9.1	-2.26	3.40	0.80	99.20	0.00
4DSQ-DIST	.98	.97 - .99	.99	.98 - .99	0.71	7.8	-1.88	3.29	0.00	99.70	0.30
4DSQ-DEP	.86	.68 - .92	.90	.87 - .92	2.38	23.6	-4.89	9.66	0.00	73.51	26.49
4DSQ-ANX	.91	.75 - .96	.94	.92 - .95	2.11	18.9	-3.79	8.01	0.00	82.74	17.26
4DSQ-SOM	.97	.79 - .99	.99	.98 - .99	1.46	9.0	-1.38	4.31	0.00	97.62	2.38
OQ-TOT	.97	.97 - .97	.97	.97 - .97	0.18	14.3	-4.71	5.07	1.50	95.21	3.29
OQ-SD	.98	.98 - .98	.98	.98 - .98	0.19	13.0	-4.33	4.70	1.05	96.82	2.13
OQ-IR	.95	.95 - .95	.95	.95 - .95	0.36	20.3	-6.15	6.88	5.67	86.52	7.81
OQ-SR	.94	.94 - .94	.94	.94 - .94	0.16	24.8	-7.47	7.78	10.03	80.51	9.46
OQ-ASD	.98	.98 - .98	.98	.98 - .98	0.37	13.5	-4.11	4.85	0.91	96.68	2.42

ICC-A is Absolute agreement, ICC-C = consistency; Bias = difference between both T-scores (positive bias values indicates that θ -based T-scores are higher than calculated T-scores); Perc. Err. = Percentage error, the width of the limits of agreement interval divided by the mean T-score of the population $((CI95- + CI95+)/M)$; “Difference -5 and 5” is the percentage of subjects for whom both T-scores differ less than 5 points; “Difference < -5” and “> 5” are the percentage of subjects for whom the difference between both methods is greater than 5 points.

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Table C.

Means scores of θ , calculated according to EAP, WLE and ML

	EAP				WLE				ML			
	M	SE	CI95		M	SE	CI95		M	SE	CI95	
BSI-GSI	62.05	0.16	61.73-62.37		62.40	0.17	62.07-62.70		62.44	0,17	62.11-62.77	
4DSQ-DIST	50.78	0.13	50.53-51.04		51.98	0.13	51.73-52.23		52.08	0.13	51.83-52.34	
OQ-SD	65.88	0.14	65.61-66.16		66.03	0.15	65.74-66.32		66.02	0.15	65.73-66.31	

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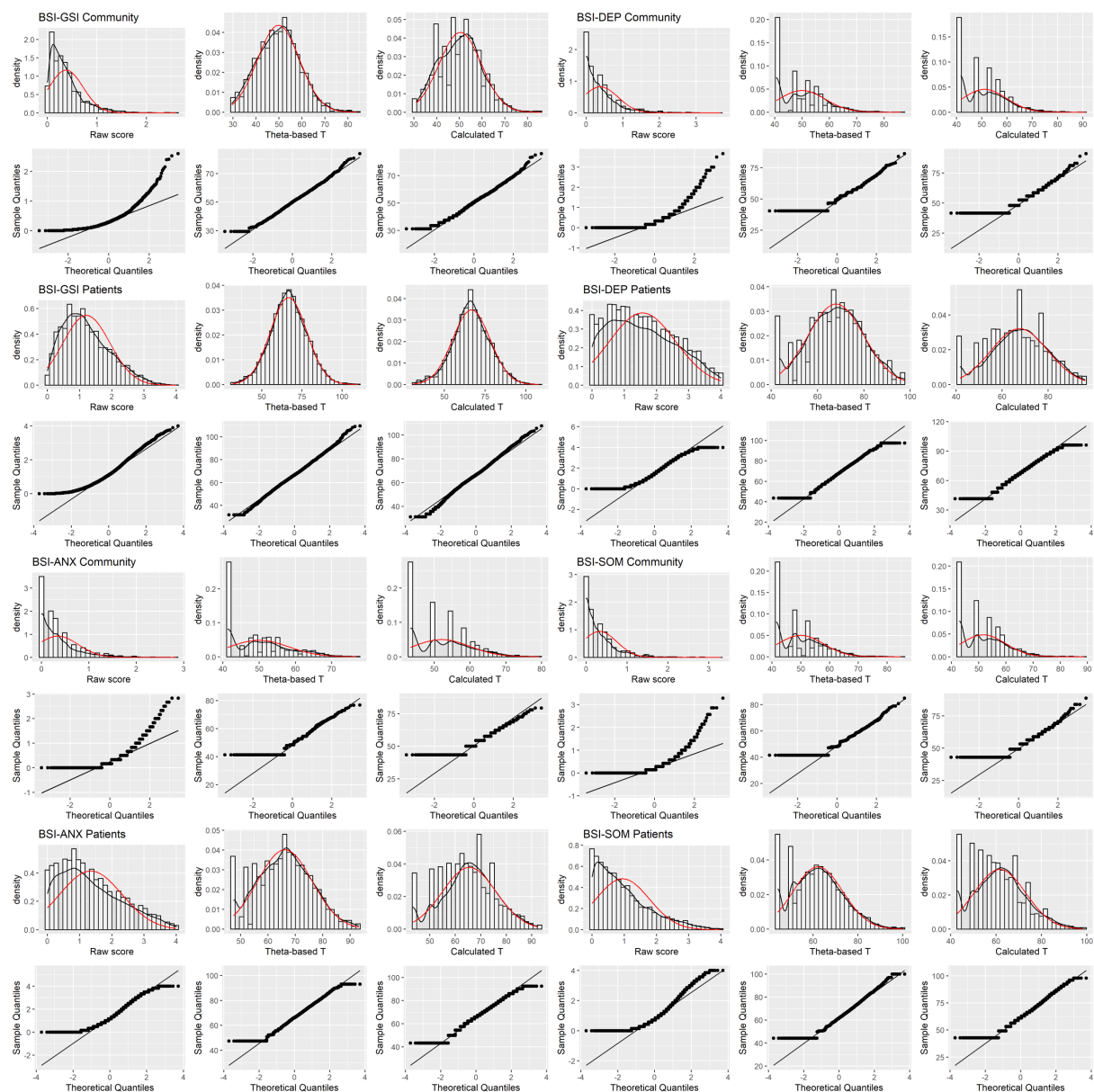


Figure A1. Histograms and qq-plots of raw scores, θ -based T scores, and calculated T scores on the BSI scales of the general population (above) and patient sample (below).

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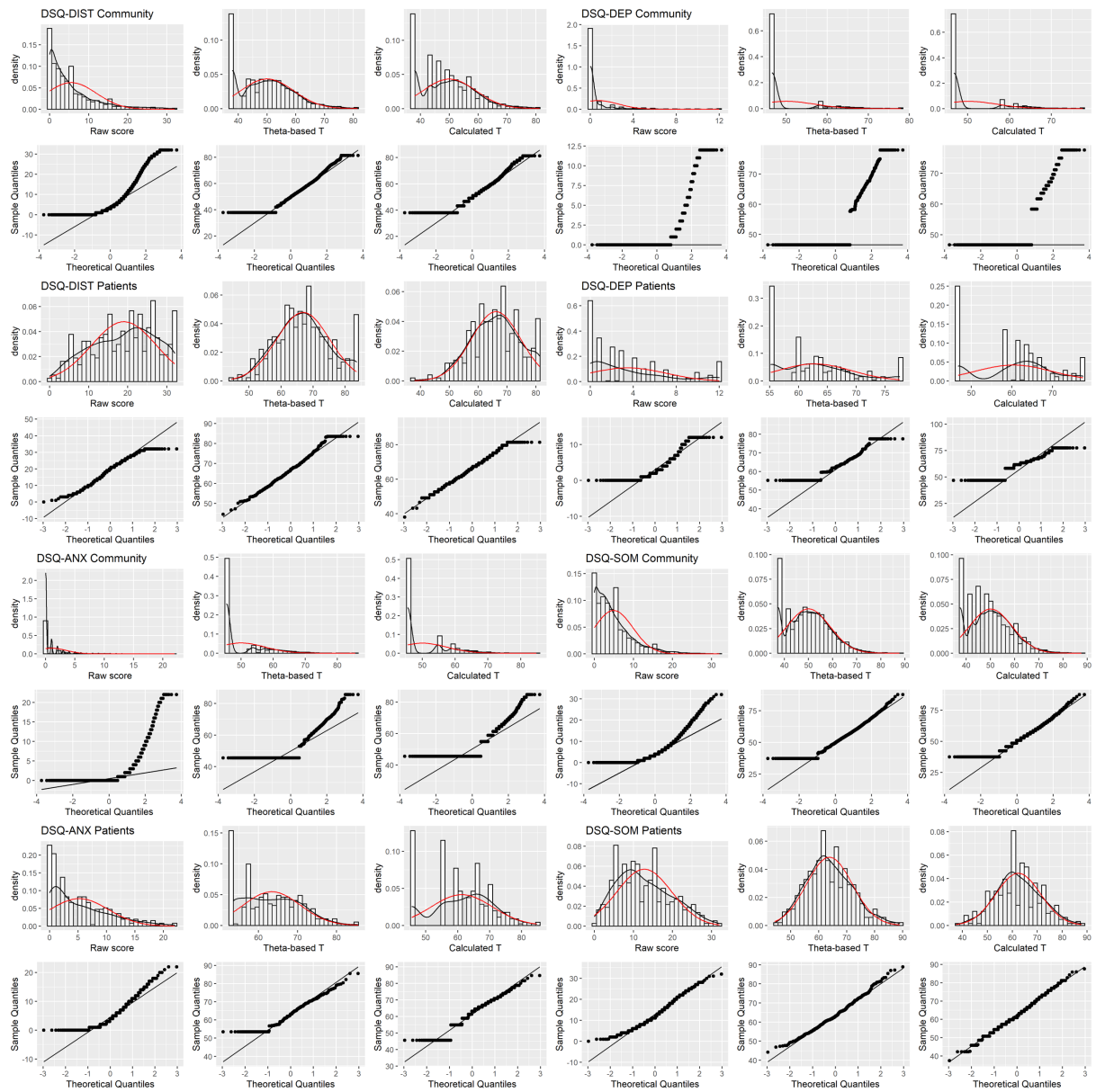


Figure A2. Histograms and qq-plots of raw scores, θ -based T scores, and calculated T scores on the 4DSQ scales of the general population (above) and patient sample (below).

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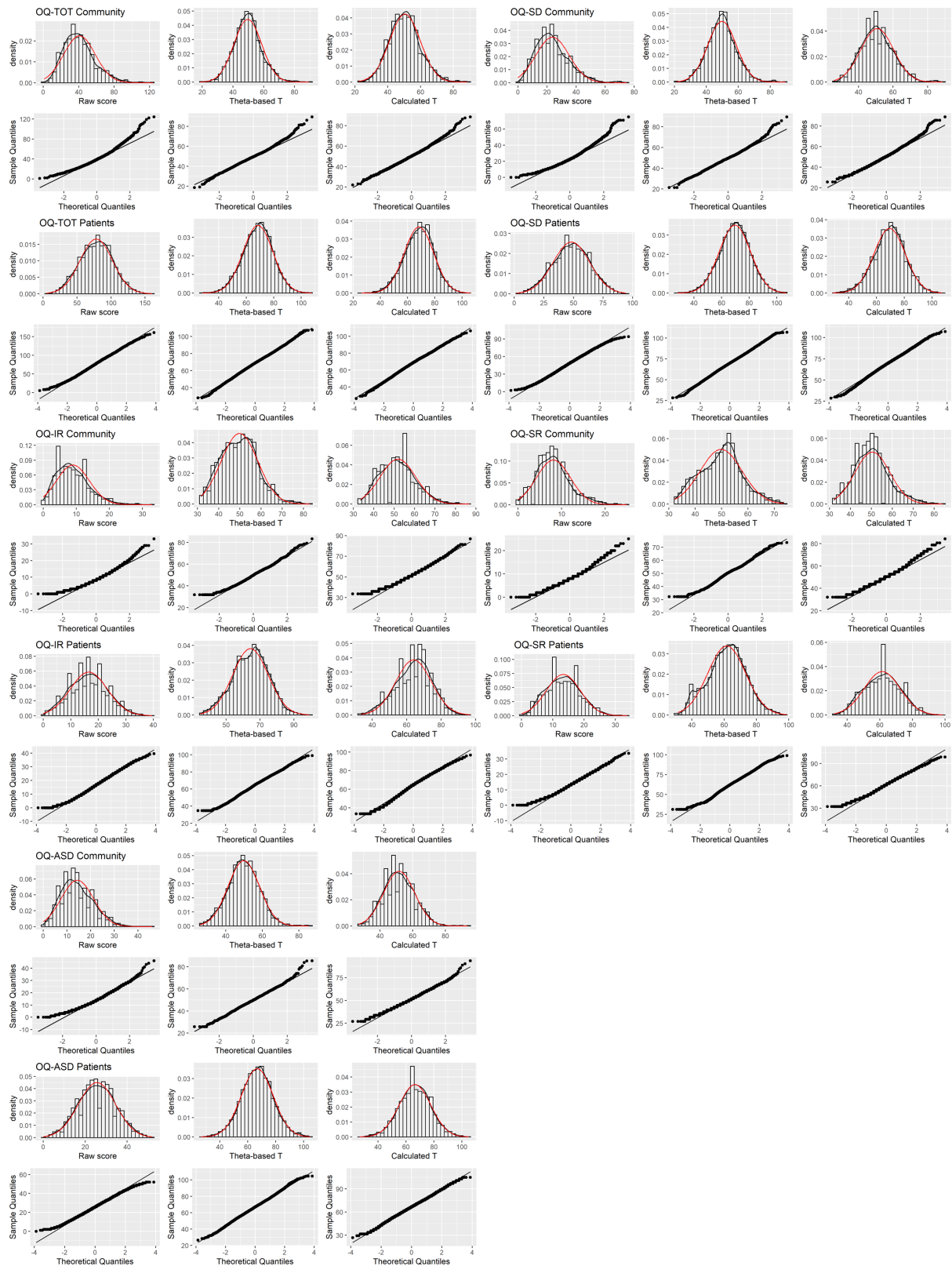


Figure A3. Histograms and qq-plots of raw scores, θ -based T scores, and calculated T scores on the OQ45 scales of the general population (above) and patient sample (below).

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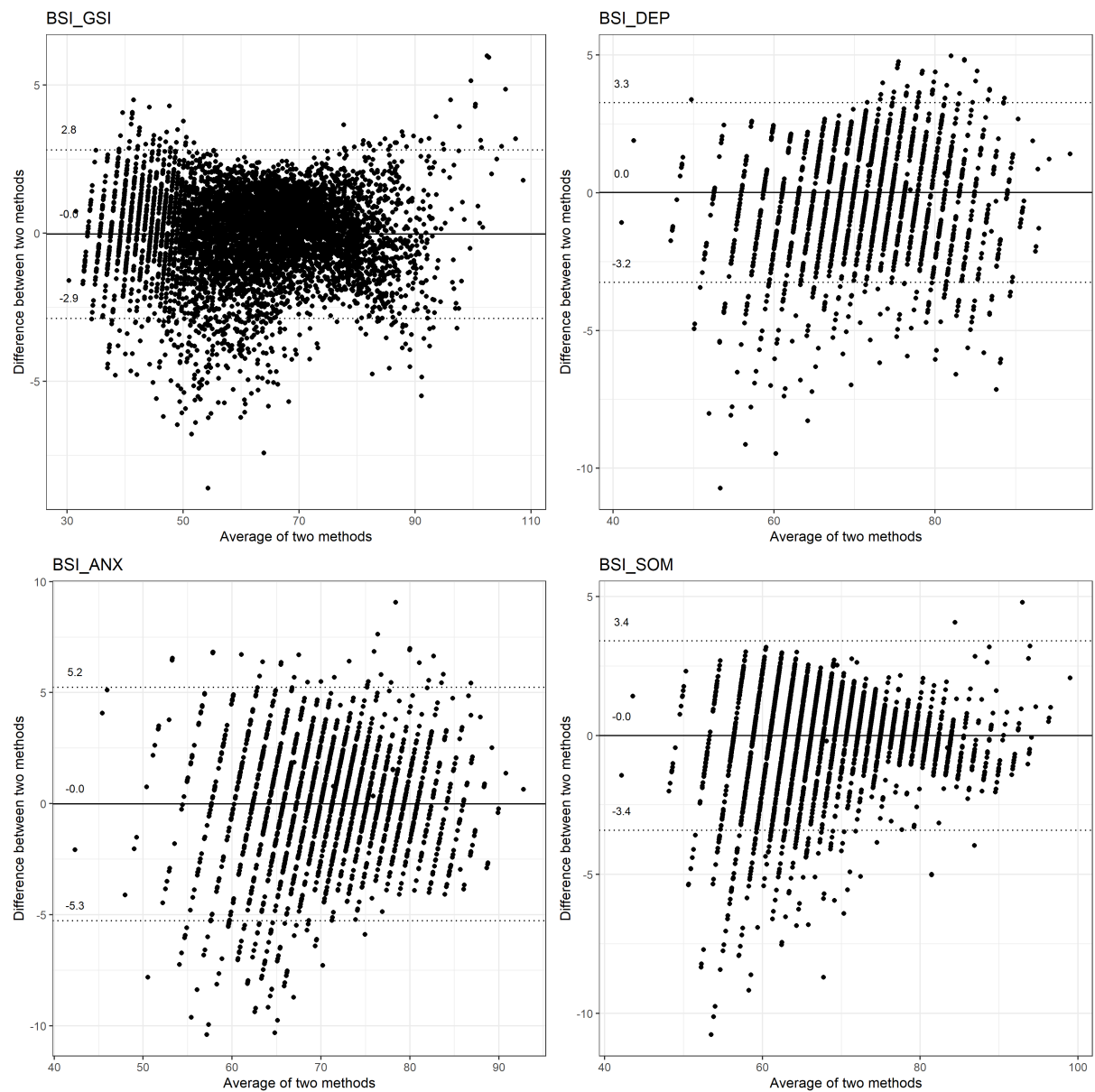


Figure B1. Bland-Altman plots for the agreement between θ -based and calculated T scores for all scales of the BSI.

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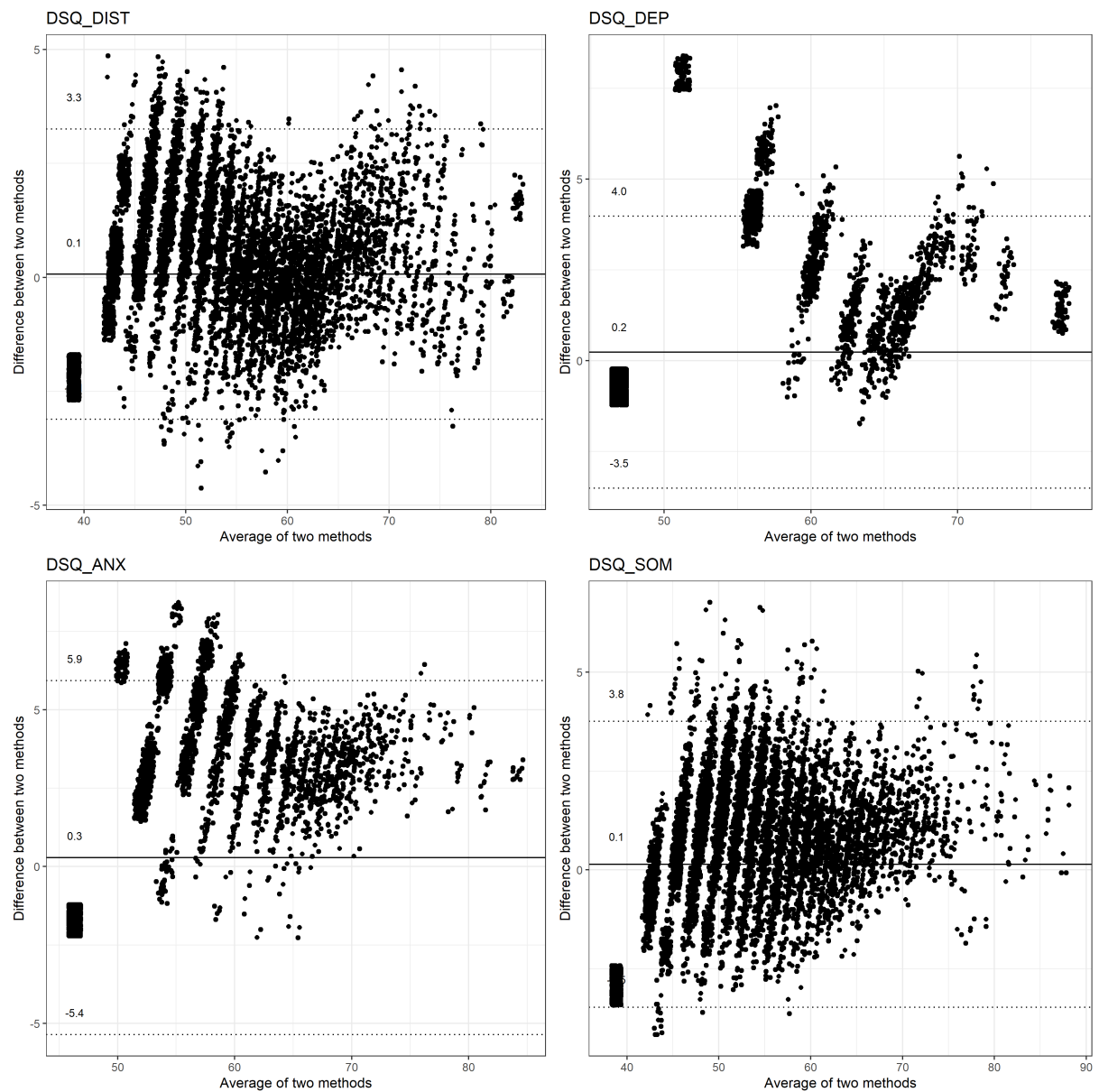


Figure B2. Bland-Altman plots for the agreement between θ -based and calculated T scores for all scales of the 4DSQ.

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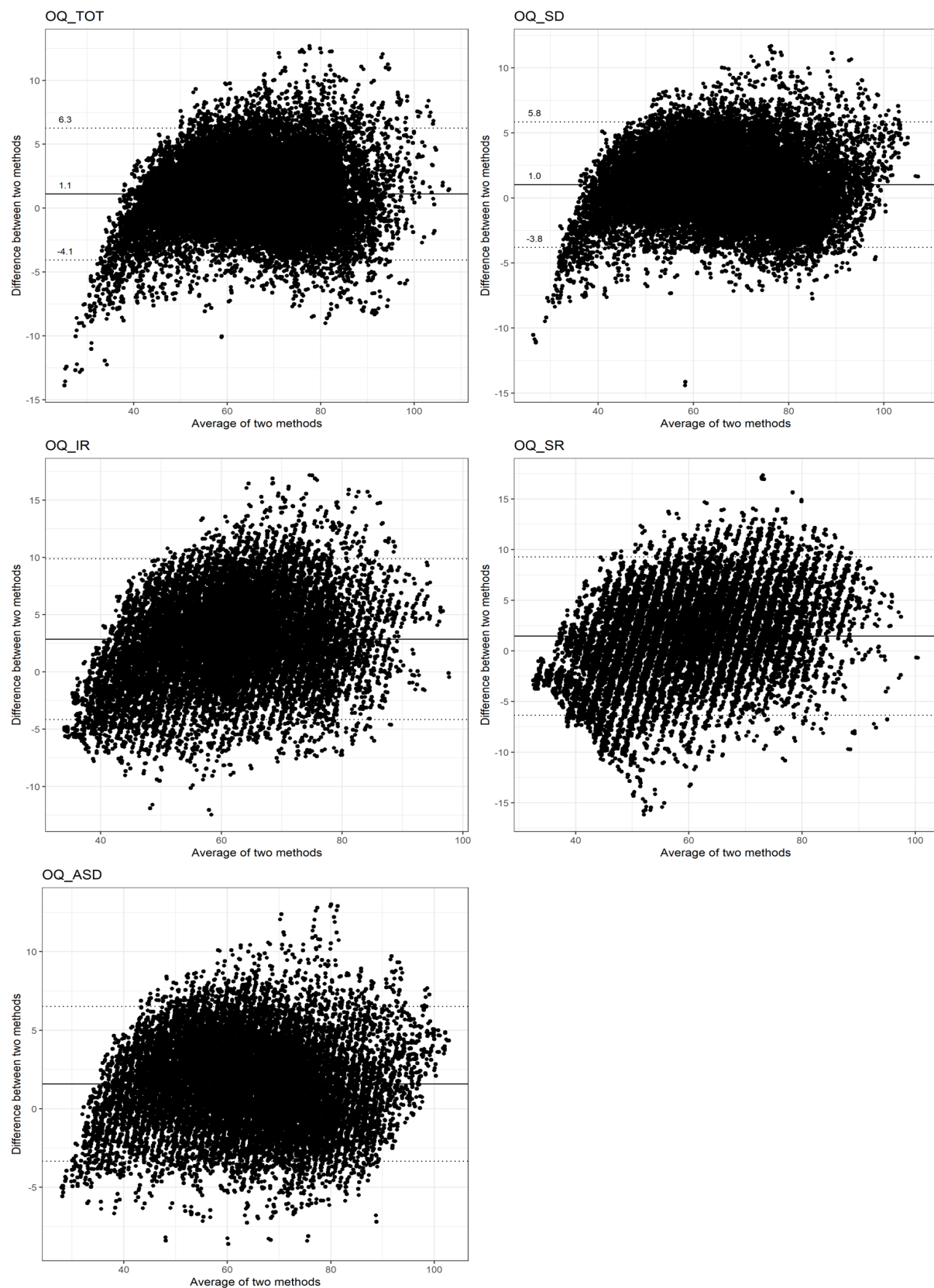


Figure B3. Bland-Altman plots for the agreement between θ -based and calculated T scores for all scales of the OQ45.