

Three-Dimensional Rotation

The 24 Three-Dimensional Rotation items present participants with cube renderings and ask participants to identify which of the response choices is a possible rotation of the target stimuli.

Descriptive Statistics

Item	<i>n</i>	<i>mean</i>	<i>sd</i>
R3D.01	7,537	0.08	0.28
R3D.02	7,473	0.16	0.37
R3D.03	12,701	0.17	0.37
R3D.04	12,959	0.21	0.41
R3D.05	7,526	0.24	0.43
R3D.06	12,894	0.29	0.46
R3D.07	7,745	0.12	0.33
R3D.08	12,973	0.17	0.37
R3D.09	7,244	0.28	0.45
R3D.10	7,350	0.14	0.35
R3D.11	7,165	0.09	0.29
R3D.12	7,168	0.13	0.34
R3D.13	7,291	0.10	0.30
R3D.14	7,185	0.14	0.35
R3D.15	7,115	0.22	0.42
R3D.16	7,241	0.30	0.46
R3D.17	7,085	0.15	0.36
R3D.18	6,988	0.13	0.34

R3D.19	7,103	0.16	0.37
R3D.20	7,203	0.39	0.49
R3D.21	7,133	0.08	0.28
R3D.22	7,369	0.30	0.46
R3D.23	7,210	0.19	0.39
R3D.24	7,000	0.19	0.39

Item Information Characteristics

Latent Trait Level

(normal scale)

Item	-3	-2	-1	0	1	2	3
R3D.01	0.00	0.00	0.00	0.04	0.30	1.08	0.60
R3D.02	0.00	0.00	0.00	0.03	0.51	1.98	0.34
R3D.03	0.00	0.00	0.00	0.05	0.65	1.77	0.28
R3D.04	0.00	0.00	0.02	0.19	1.15	0.88	0.12
R3D.05	0.00	0.01	0.06	0.36	1.01	0.49	0.08
R3D.06	0.00	0.01	0.08	0.53	1.15	0.35	0.05
R3D.07	0.00	0.00	0.00	0.04	0.38	1.55	0.50
R3D.08	0.00	0.00	0.01	0.08	0.76	1.37	0.24
R3D.09	0.00	0.02	0.10	0.47	0.86	0.34	0.06
R3D.10	0.00	0.01	0.04	0.20	0.61	0.60	0.19
R3D.11	0.00	0.00	0.00	0.03	0.29	1.23	0.63
R3D.12	0.00	0.00	0.01	0.10	0.60	1.01	0.29
R3D.13	0.00	0.00	0.00	0.04	0.33	1.27	0.57
R3D.14	0.00	0.00	0.01	0.11	0.66	1.08	0.26
R3D.15	0.00	0.01	0.06	0.33	0.88	0.50	0.10
R3D.16	0.00	0.02	0.13	0.53	0.77	0.28	0.06
R3D.17	0.00	0.00	0.00	0.05	0.56	1.72	0.33
R3D.18	0.00	0.00	0.00	0.02	0.26	1.95	0.65
R3D.19	0.00	0.00	0.02	0.15	0.79	0.94	0.20
R3D.20	0.01	0.05	0.23	0.63	0.55	0.17	0.03

R3D.21	0.00	0.00	0.01	0.05	0.33	1.03	0.54
R3D.22	0.00	0.02	0.11	0.55	0.87	0.29	0.05
R3D.23	0.00	0.00	0.03	0.23	0.9	0.69	0.14
R3D.24	0.00	0.00	0.00	0.04	0.70	2.03	0.23
TIF	0.02	0.15	0.94	4.84	15.87	24.60	6.54
SEM	6.34	2.55	1.03	0.45	0.25	0.20	0.39
Reliability	NA	NA	NA	0.79	0.94	0.96	0.85