

Confirmatory factor analysis - 3 factor model estimates

Parameter estimates

Factor loadings

Factor	Indicator	Estimate	Std. Error	z-value	p	95% Confidence Interval	
						Lower	Upper
Communicator	Q15	0.726	0.014	53.673	< .001	0.699	0.752
	Q19	0.622	0.013	47.675	< .001	0.597	0.648
	Q23	0.778	0.012	62.222	< .001	0.753	0.802
	Q10	0.681	0.014	49.268	< .001	0.654	0.708
	Q28	0.794	0.013	59.176	< .001	0.767	0.820
	Q17	0.683	0.015	46.457	< .001	0.654	0.712
	Q3	0.579	0.014	41.803	< .001	0.552	0.606
	Q6	0.644	0.014	46.409	< .001	0.617	0.671
	Q35	0.592	0.014	43.313	< .001	0.565	0.618
Educator	Q1	0.379	0.016	23.657	< .001	0.348	0.411
	Q8	0.822	0.012	70.297	< .001	0.799	0.844
	Q34	0.862	0.012	72.824	< .001	0.839	0.885
	Q18	0.851	0.012	73.502	< .001	0.828	0.873
	Q29	0.692	0.013	54.130	< .001	0.667	0.717
	Q11	0.493	0.015	33.836	< .001	0.465	0.522
	Q12	0.413	0.014	29.132	< .001	0.385	0.440
	Q13	0.302	0.016	18.780	< .001	0.271	0.334
	Q21	0.537	0.014	38.416	< .001	0.510	0.565
Treater	Q26	0.576	0.015	38.331	< .001	0.547	0.606
	Q27	0.484	0.018	26.923	< .001	0.449	0.520
	Q22	0.804	0.012	64.347	< .001	0.780	0.829
	Q33	0.502	0.025	20.212	< .001	0.453	0.550
	Q2	0.511	0.027	18.699	< .001	0.457	0.564
	Q20	0.641	0.026	24.275	< .001	0.589	0.692
	Q24	0.595	0.026	22.562	< .001	0.543	0.647
	Q30	0.467	0.026	18.248	< .001	0.417	0.517

Factor Covariances

							95% Confidence Interval	
			Estimate	Std. Error	z-value	p	Lower	Upper
Communicator	↔	Educator	-0.549	0.009	-63.543	< .001	-0.566	-0.532
Communicator	↔	Treater	0.639	0.023	27.874	< .001	0.595	0.684
Educator	↔	Treater	-0.269	0.018	-15.269	< .001	-0.303	-0.234

Residual variances

Indicator	Estimate	Std. Error	z-value	p	95% Confidence Interval	
					Lower	Upper
Q15	0.473	0.000			0.473	0.473
Q19	0.613	0.000			0.613	0.613
Q23	0.395	0.000			0.395	0.395
Q10	0.536	0.000			0.536	0.536
Q28	0.370	0.000			0.370	0.370
Q17	0.533	0.000			0.533	0.533
Q3	0.665	0.000			0.665	0.665
Q6	0.585	0.000			0.585	0.585
Q35	0.650	0.000			0.650	0.650
Q1	0.856	0.000			0.856	0.856
Q8	0.325	0.000			0.325	0.325

Residual variances

Indicator	Estimate	Std. Error	z-value	p	95% Confidence Interval	
					Lower	Upper
Q34	0.257	0.000			0.257	0.257
Q18	0.276	0.000			0.276	0.276
Q29	0.522	0.000			0.522	0.522
Q11	0.756	0.000			0.756	0.756
Q12	0.830	0.000			0.830	0.830
Q13	0.909	0.000			0.909	0.909
Q21	0.711	0.000			0.711	0.711
Q26	0.668	0.000			0.668	0.668
Q27	0.765	0.000			0.765	0.765
Q22	0.353	0.000			0.353	0.353
Q33	0.748	0.000			0.748	0.748
Q2	0.739	0.000			0.739	0.739
Q20	0.590	0.000			0.590	0.590
Q24	0.646	0.000			0.646	0.646
Q30	0.782	0.000			0.782	0.782

Residual covariances

							95% Confidence Interval	
			Estimate	Std. Error	z-value	p	Lower	Upper
Q15	↔	Q10	0.211	0.022	9.398	< .001	0.167	0.255
Q11	↔	Q12	0.314	0.030	10.370	< .001	0.255	0.373
Q3	↔	Q35	0.245	0.027	9.151	< .001	0.193	0.297
Q11	↔	Q13	0.296	0.033	8.944	< .001	0.231	0.361
Q33	↔	Q2	0.317	0.041	7.676	< .001	0.236	0.398
Q12	↔	Q13	0.274	0.035	7.872	< .001	0.206	0.342
Q3	↔	Q1	0.243	0.034	7.108	< .001	0.176	0.310
Q17	↔	Q6	0.218	0.025	8.742	< .001	0.169	0.266
Q28	↔	Q17	0.192	0.023	8.247	< .001	0.147	0.238
Q29	↔	Q11	0.205	0.030	6.899	< .001	0.146	0.263
Q29	↔	Q13	0.228	0.034	6.645	< .001	0.161	0.295

Thresholds

Indicator	Threshold	Estimate	Std. Error	z-value	p	95% Confidence Interval	
						Lower	Upper
Q15	t1	-1.153	0.055	-20.913	0.000	-1.261	-1.045
	t2	0.068	0.043	1.575	0.115	-0.017	0.152
	t3	1.131	0.055	20.709	0.000	1.024	1.238
Q19	t1	-1.398	0.062	-22.438	0.000	-1.521	-1.276
	t2	-0.389	0.044	-8.810	0.000	-0.476	-0.303
	t3	0.716	0.047	15.159	0.000	0.623	0.808
Q23	t1	-0.886	0.050	-17.831	0.000	-0.983	-0.789
	t2	0.238	0.043	5.473	4.416×10 ⁻⁸	0.153	0.323
	t3	1.153	0.055	20.913	0.000	1.045	1.261
Q10	t1	-0.794	0.048	-16.449	0.000	-0.889	-0.699
	t2	0.210	0.043	4.859	1.182×10 ⁻⁶	0.126	0.295
	t3	1.200	0.056	21.304	0.000	1.090	1.311
Q28	t1	-1.153	0.055	-20.913	0.000	-1.261	-1.045
	t2	0.160	0.043	3.696	2.187×10 ⁻⁴	0.075	0.244
	t3	1.455	0.064	22.610	0.000	1.329	1.582
Q17	t1	-0.963	0.051	-18.861	0.000	-1.063	-0.863
	t2	0.247	0.043	5.678	1.361×10 ⁻⁸	0.162	0.332
	t3	1.499	0.066	22.697	0.000	1.370	1.629
Q3	t1	-1.125	0.054	-20.657	0.000	-1.232	-1.018
	t2	0.109	0.043	2.533	0.011	0.025	0.193

Thresholds

Indicator	Threshold	Estimate	Std. Error	z-value	p	95% Confidence Interval	
						Lower	Upper
Q6	t3	1.360	0.061	22.285	0.000	1.241	1.480
	t1	-1.406	0.063	-22.466	0.000	-1.529	-1.284
	t2	-0.447	0.045	-10.030	0.000	-0.534	-0.360
Q35	t3	0.758	0.048	15.872	0.000	0.665	0.852
	t1	-1.250	0.058	-21.668	0.000	-1.363	-1.137
	t2	-0.210	0.043	-4.859	1.182×10^{-6}	-0.295	-0.126
Q1	t3	1.011	0.052	19.446	0.000	0.909	1.112
	t1	-2.134	0.106	-20.051	0.000	-2.342	-1.925
	t2	-1.331	0.060	-22.147	0.000	-1.449	-1.213
Q8	t3	-0.053	0.043	-1.233	0.218	-0.137	0.031
	t1	-1.398	0.062	-22.438	0.000	-1.521	-1.276
	t2	-0.467	0.045	-10.435	0.000	-0.554	-0.379
Q34	t3	0.500	0.045	11.109	0.000	0.411	0.588
	t1	-1.406	0.063	-22.466	0.000	-1.529	-1.284
	t2	-0.645	0.046	-13.913	0.000	-0.736	-0.554
Q18	t3	0.326	0.044	7.451	9.281×10^{-14}	0.241	0.412
	t1	-1.250	0.058	-21.668	0.000	-1.363	-1.137
	t2	-0.317	0.044	-7.247	4.272×10^{-13}	-0.403	-0.231
Q29	t3	0.860	0.049	17.459	0.000	0.764	0.957
	t1	-1.556	0.068	-22.751	0.000	-1.690	-1.422
	t2	-0.852	0.049	-17.334	0.000	-0.948	-0.755
Q11	t3	0.424	0.044	9.556	0.000	0.337	0.511
	t1	-1.987	0.094	-21.220	0.000	-2.170	-1.803
	t2	-0.720	0.047	-15.225	0.000	-0.812	-0.627
Q12	t3	0.262	0.044	6.019	1.750×10^{-9}	0.177	0.347
	t1	-1.766	0.079	-22.407	0.000	-1.920	-1.611
	t2	-0.667	0.047	-14.308	0.000	-0.759	-0.576
Q13	t3	0.302	0.044	6.906	4.986×10^{-12}	0.216	0.387
	t1	-1.908	0.088	-21.727	0.000	-2.081	-1.736
	t2	-0.935	0.051	-18.502	0.000	-1.034	-0.836
Q21	t3	0.292	0.044	6.702	2.063×10^{-11}	0.207	0.378
	t1	-0.886	0.050	-17.831	0.000	-0.983	-0.789
	t2	0.405	0.044	9.150	0.000	0.318	0.492
Q26	t3	1.508	0.066	22.710	0.000	1.378	1.639
	t1	-2.598	0.171	-15.154	0.000	-2.933	-2.262
	t2	-1.586	0.070	-22.753	0.000	-1.723	-1.450
Q27	t3	0.244	0.043	5.610	2.024×10^{-8}	0.159	0.329
	t1	-3.042	0.301	-10.108	0.000	-3.632	-2.452
	t2	-2.229	0.116	-19.166	0.000	-2.457	-2.001
Q22	t3	-0.620	0.046	-13.449	0.000	-0.710	-0.530
	t1	-1.120	0.054	-20.605	0.000	-1.226	-1.013
	t2	-0.308	0.044	-7.042	1.891×10^{-12}	-0.393	-0.222
Q33	t3	0.913	0.050	18.199	0.000	0.814	1.011
	t1	-2.399	0.138	-17.398	0.000	-2.669	-2.129
	t2	-1.473	0.065	-22.649	0.000	-1.600	-1.345
Q2	t3	0.112	0.043	2.602	0.009	0.028	0.196
	t1	-2.827	0.226	-12.494	0.000	-3.271	-2.384
	t2	-2.229	0.116	-19.166	0.000	-2.457	-2.001
Q20	t3	-0.557	0.045	-12.250	0.000	-0.646	-0.468
	t1	-2.266	0.120	-18.802	0.000	-2.502	-2.029
	t2	-1.473	0.065	-22.649	0.000	-1.600	-1.345
Q24	t3	-0.402	0.044	-9.082	0.000	-0.489	-0.315
	t1	-2.266	0.120	-18.802	0.000	-2.502	-2.029
	t2	-1.687	0.075	-22.632	0.000	-1.833	-1.541
Q30	t3	-0.440	0.045	-9.895	0.000	-0.528	-0.353
	t1	-2.455	0.146	-16.779	0.000	-2.742	-2.168
	t2	-1.556	0.068	-22.751	0.000	-1.690	-1.422
	t3	-0.543	0.045	-11.982	0.000	-0.632	-0.455