

```

FACTOR
/VARIABLES Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22
/MISSING LISTWISE
/ANALYSIS Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q
/PRINT INITIAL KMO EXTRACTION
/CRITERIA MINEIGEN(1) ITERATE(25)
/EXTRACTION PC
/ROTATION NOROTATE
/METHOD=CORRELATION.

```

Factor Analysis

Notes

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Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.

Notes

Syntax	<pre> FACTOR /VARIABLES Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23 Q24 Q25 Q26 Q27 /MISSING LISTWISE /ANALYSIS Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23 Q24 Q25 Q26 Q27 /PRINT INITIAL KMO EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATIO N. </pre>	
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[1] C:\Users\GF\Desktop\Cronbach's alpha value.sav

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.847
Bartlett's Test of Sphericity	Approx. Chi-Square	13473.677
	df	351
	Sig.	.000

Communalities

	Initial	Extraction
Q1	1.000	.633
Q2	1.000	.425
Q3	1.000	.557
Q4	1.000	.678
Q5	1.000	.661
Q6	1.000	.710
Q7	1.000	.543
Q8	1.000	.519
Q9	1.000	.456
Q10	1.000	.598
Q11	1.000	.454
Q12	1.000	.695
Q13	1.000	.289
Q14	1.000	.621
Q15	1.000	.479
Q16	1.000	.631
Q17	1.000	.535
Q18	1.000	.600
Q19	1.000	.601
Q20	1.000	.519
Q21	1.000	.715
Q22	1.000	.714
Q23	1.000	.576
Q24	1.000	.564
Q25	1.000	.725
Q26	1.000	.478
Q27	1.000	.628

Extraction Method: Principal
Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared	
	Total	% of Variance	Cumulative %	Total	% of Variance
1	6.059	22.439	22.439	6.059	22.439
2	2.575	9.538	31.977	2.575	9.538
3	2.147	7.952	39.929	2.147	7.952
4	1.384	5.126	45.055	1.384	5.126
5	1.278	4.735	49.790	1.278	4.735
6	1.104	4.087	53.878	1.104	4.087
7	1.057	3.915	57.792	1.057	3.915
8	.960	3.555	61.347		
9	.895	3.313	64.660		
10	.866	3.207	67.867		
11	.831	3.076	70.943		
12	.788	2.920	73.863		
13	.740	2.742	76.605		
14	.704	2.608	79.213		
15	.637	2.358	81.572		
16	.575	2.131	83.702		
17	.558	2.066	85.769		
18	.523	1.936	87.704		
19	.487	1.803	89.508		
20	.453	1.678	91.185		
21	.440	1.629	92.814		
22	.399	1.478	94.292		
23	.394	1.459	95.751		
24	.349	1.293	97.044		
25	.290	1.073	98.117		
26	.282	1.043	99.160		
27	.227	.840	100.000		

Total Variance Explained

Component	Extraction ...
	Cumulative %
1	22.439
2	31.977
3	39.929
4	45.055
5	49.790
6	53.878
7	57.792
8	
9	
10	
11	
12	
13	
14	
15	
16	
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18	
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21	
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23	
24	
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26	
27	

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component						
	1	2	3	4	5	6	7
Q1	.558	.470	-.113	-.117	-.152	.039	-.223
Q2	.194	.200	.091	.133	-.168	.542	-.007
Q3	.500	.407	-.143	-.014	-.002	.178	-.299
Q4	.695	-.222	-.216	-.182	.200	.123	-.102
Q5	.518	-.267	-.082	-.413	.339	.157	-.066
Q6	.225	.024	.596	-.453	.311	.026	.017
Q7	.403	-.047	.494	-.179	.266	-.173	.045
Q8	.571	-.225	-.106	.307	.163	-.028	.092
Q9	.569	-.168	.220	.151	.102	-.131	.075
Q10	.017	-.018	.058	.200	.155	.718	-.121
Q11	.353	.385	-.051	-.220	-.224	-.180	.217
Q12	.122	.197	.114	-.036	-.145	.254	.736
Q13	.074	.257	-.081	.242	.302	.026	.246
Q14	.315	.406	-.223	.276	.457	-.110	.105
Q15	.227	.436	-.162	.211	.190	-.183	-.310
Q16	.551	.532	-.053	-.112	-.147	-.033	-.082
Q17	.482	.486	-.107	-.002	.153	-.053	.170
Q18	.495	.499	.035	-.171	-.261	-.004	.081
Q19	.562	-.201	-.047	.397	.239	-.040	.165
Q20	.568	-.224	.134	-.332	.076	.114	.003
Q21	-.026	.218	.775	.237	-.068	-.010	-.065
Q22	.738	-.366	-.078	.038	-.162	-.034	.011
Q23	.161	.079	.633	.312	-.056	-.025	-.204
Q24	.534	-.102	.441	.159	-.211	-.058	-.024
Q25	.740	-.355	-.147	.033	-.163	-.030	-.024
Q26	.599	-.260	-.001	.115	-.184	-.070	-.005
Q27	.604	-.296	-.179	.146	-.349	-.009	.007

Extraction Method: Principal Component Analysis.

a. 7 components extracted.

```
RELIABILITY
/VARIABLES=Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA
/STATISTICS=DESCRIPTIVE SCALE CORR
/SUMMARY=TOTAL.
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Reliability

Notes

Output Created		21-FEB-2023 10:03:52
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	N of Rows in Working Data File	2210
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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23 Q24 Q25 Q26 Q27 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA /STATISTICS=DESCRIPTIVE SCALE CORR /SUMMARY=TOTAL.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.02

[1] C:\Users\GF\Desktop\Cronbach's alpha value.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	1578	71.4
	Excluded ^a	632	28.6
	Total	2210	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.802	.836	27

Item Statistics

	Mean	Std. Deviation	N
Q1	4.36	.703	1578
Q2	3.57	1.135	1578
Q3	4.23	.750	1578
Q4	4.35	.709	1578
Q5	4.22	.830	1578
Q6	3.32	1.163	1578
Q7	3.70	.986	1578
Q8	4.18	.827	1578
Q9	4.16	.844	1578
Q10	3.14	1.086	1578
Q11	3.98	.841	1578
Q12	3.23	1.171	1578
Q13	4.11	.796	1578
Q14	4.05	.878	1578
Q15	3.54	1.123	1578
Q16	4.22	.749	1578
Q17	3.85	1.103	1578
Q18	4.07	.764	1578
Q19	4.14	.889	1578
Q20	4.01	.851	1578
Q21	2.53	1.434	1578
Q22	4.32	.672	1578
Q23	3.30	1.282	1578
Q24	3.90	.780	1578
Q25	4.36	.655	1578
Q26	4.15	.767	1578
Q27	4.34	.749	1578

Inter-Item Correlation Matrix

	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Q1	1.000	.156	.477	.293	.172	.076	.109	.211
Q2	.156	1.000	.174	.061	.009	.041	.043	.068
Q3	.477	.174	1.000	.375	.188	.028	.081	.148
Q4	.293	.061	.375	1.000	.597	.111	.212	.398
Q5	.172	.009	.188	.597	1.000	.220	.231	.278
Q6	.076	.041	.028	.111	.220	1.000	.417	.023
Q7	.109	.043	.081	.212	.231	.417	1.000	.139
Q8	.211	.068	.148	.398	.278	.023	.139	1.000
Q9	.195	.047	.165	.345	.246	.202	.359	.342
Q10	.014	.080	.039	.027	.027	.007	.006	.039
Q11	.344	.064	.217	.133	.103	.054	.126	.099
Q12	.054	.073	.062	.007	.016	.061	.023	.000
Q13	.067	.065	.105	.035	-.028	-.015	.014	.026
Q14	.273	.074	.260	.155	.115	-.042	.071	.159
Q15	.264	.045	.270	.068	-.003	-.021	.030	.090
Q16	.547	.145	.440	.241	.135	.118	.149	.160
Q17	.381	.112	.339	.272	.125	.093	.158	.213
Q18	.495	.187	.354	.189	.109	.136	.164	.126
Q19	.116	.079	.174	.360	.215	.023	.168	.558
Q20	.224	.087	.167	.381	.437	.351	.211	.271
Q21	.007	.099	-.015	-.211	-.150	.280	.228	-.040
Q22	.272	.091	.201	.542	.367	.089	.280	.447
Q23	.074	.062	.095	-.004	.003	.177	.162	.032
Q24	.180	.117	.172	.221	.122	.230	.333	.256
Q25	.280	.067	.240	.587	.416	.013	.225	.418
Q26	.201	.072	.148	.371	.238	.023	.251	.297
Q27	.217	.074	.197	.396	.253	-.069	.048	.364

Inter-Item Correlation Matrix

	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16
Q1	.195	.014	.344	.054	.067	.273	.264	.547
Q2	.047	.080	.064	.073	.065	.074	.045	.145
Q3	.165	.039	.217	.062	.105	.260	.270	.440
Q4	.345	.027	.133	.007	.035	.155	.068	.241
Q5	.246	.027	.103	.016	-.028	.115	-.003	.135
Q6	.202	.007	.054	.061	-.015	-.042	-.021	.118
Q7	.359	.006	.126	.023	.014	.071	.030	.149
Q8	.342	.039	.099	.000	.026	.159	.090	.160
Q9	1.000	.014	.109	.065	-.007	.150	.036	.209
Q10	.014	1.000	-.076	.040	.015	.006	.002	-.009
Q11	.109	-.076	1.000	.135	.066	.153	.129	.368
Q12	.065	.040	.135	1.000	.039	.077	-.015	.113
Q13	-.007	.015	.066	.039	1.000	.214	.096	.088
Q14	.150	.006	.153	.077	.214	1.000	.327	.254
Q15	.036	.002	.129	-.015	.096	.327	1.000	.299
Q16	.209	-.009	.368	.113	.088	.254	.299	1.000
Q17	.158	-.015	.261	.161	.121	.396	.248	.469
Q18	.173	-.045	.372	.162	.087	.168	.171	.515
Q19	.385	.047	.082	.026	.056	.244	.088	.156
Q20	.251	-.002	.130	.048	-.045	.031	.005	.205
Q21	.052	.041	.003	.089	-.001	-.059	-.002	.043
Q22	.370	-.016	.133	.040	-.009	.056	.048	.229
Q23	.229	.039	.019	.031	.012	.007	.004	.063
Q24	.332	.013	.106	.094	.005	.030	.086	.207
Q25	.416	-.013	.139	.039	-.004	.090	.043	.235
Q26	.247	.014	.126	.005	.024	.107	.036	.188
Q27	.407	.008	.136	.036	-.053	.035	.041	.228

Inter-Item Correlation Matrix

	Q17	Q18	Q19	Q20	Q21	Q22	Q23	Q24
Q1	.381	.495	.116	.224	.007	.272	.074	.180
Q2	.112	.187	.079	.087	.099	.091	.062	.117
Q3	.339	.354	.174	.167	-.015	.201	.095	.172
Q4	.272	.189	.360	.381	-.211	.542	-.004	.221
Q5	.125	.109	.215	.437	-.150	.367	.003	.122
Q6	.093	.136	.023	.351	.280	.089	.177	.230
Q7	.158	.164	.168	.211	.228	.280	.162	.333
Q8	.213	.126	.558	.271	-.040	.447	.032	.256
Q9	.158	.173	.385	.251	.052	.370	.229	.332
Q10	-.015	-.045	.047	-.002	.041	-.016	.039	.013
Q11	.261	.372	.082	.130	.003	.133	.019	.106
Q12	.161	.162	.026	.048	.089	.040	.031	.094
Q13	.121	.087	.056	-.045	-.001	-.009	.012	.005
Q14	.396	.168	.244	.031	-.059	.056	.007	.030
Q15	.248	.171	.088	.005	-.002	.048	.004	.086
Q16	.469	.515	.156	.205	.043	.229	.063	.207
Q17	1.000	.423	.218	.152	.011	.162	.019	.135
Q18	.423	1.000	.129	.181	.070	.200	.078	.216
Q19	.218	.129	1.000	.315	-.025	.431	.097	.251
Q20	.152	.181	.315	1.000	-.056	.411	.055	.370
Q21	.011	.070	-.025	-.056	1.000	-.122	.510	.282
Q22	.162	.200	.431	.411	-.122	1.000	.049	.386
Q23	.019	.078	.097	.055	.510	.049	1.000	.280
Q24	.135	.216	.251	.370	.282	.386	.280	1.000
Q25	.181	.197	.365	.371	-.194	.726	.072	.386
Q26	.157	.200	.330	.356	-.035	.546	.100	.365
Q27	.139	.183	.325	.303	-.124	.591	-.016	.353

Inter-Item Correlation Matrix

	Q25	Q26	Q27
Q1	.280	.201	.217
Q2	.067	.072	.074
Q3	.240	.148	.197
Q4	.587	.371	.396
Q5	.416	.238	.253
Q6	.013	.023	-.069
Q7	.225	.251	.048
Q8	.418	.297	.364
Q9	.416	.247	.407
Q10	-.013	.014	.008
Q11	.139	.126	.136
Q12	.039	.005	.036
Q13	-.004	.024	-.053
Q14	.090	.107	.035
Q15	.043	.036	.041
Q16	.235	.188	.228
Q17	.181	.157	.139
Q18	.197	.200	.183
Q19	.365	.330	.325
Q20	.371	.356	.303
Q21	-.194	-.035	-.124
Q22	.726	.546	.591
Q23	.072	.100	-.016
Q24	.386	.365	.353
Q25	1.000	.580	.555
Q26	.580	1.000	.385
Q27	.555	.385	1.000

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Cronbach's Alpha if Item Deleted
Q1	100.97	95.496	.492	.466	.791
Q2	101.76	97.113	.195	.075	.803
Q3	101.10	95.741	.440	.372	.792
Q4	100.98	95.349	.498	.582	.790
Q5	101.11	96.276	.356	.454	.795
Q6	102.01	95.609	.255	.369	.800
Q7	101.62	94.332	.389	.370	.793
Q8	101.15	95.246	.423	.409	.792
Q9	101.17	94.197	.479	.404	.790
Q10	102.19	100.851	.033	.031	.811
Q11	101.35	97.088	.299	.214	.797
Q12	102.10	98.227	.136	.076	.807
Q13	101.22	100.703	.089	.066	.805
Q14	101.28	96.942	.292	.309	.797
Q15	101.79	97.114	.198	.195	.803
Q16	101.11	94.748	.510	.471	.789
Q17	101.48	92.205	.440	.382	.790
Q18	101.26	95.249	.464	.410	.791
Q19	101.19	94.393	.438	.441	.791
Q20	101.32	94.773	.438	.428	.791
Q21	102.80	97.649	.108	.450	.813
Q22	101.01	95.313	.532	.649	.790
Q23	102.02	95.343	.230	.341	.803
Q24	101.43	94.500	.504	.414	.789
Q25	100.97	95.703	.516	.668	.790
Q26	101.17	95.622	.436	.427	.792
Q27	100.98	96.456	.390	.492	.794

Scale Statistics

Mean	Variance	Std. Deviation	N of Items
105.33	102.754	10.137	27