

*ASSIGNMENT 4: CRONBACH'S ALPHA GO-QOL.

*4a Subscale visual functioning.

RELIABILITY

```

/VARIABLES=bicycling driving moving_house walking reading tv hobby
interference
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/STATISTICS=CORR
/SUMMARY=TOTAL .
    
```

Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	60	85,7
	Excluded ^a	10	14,3
	Total	70	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
,862	,868	8

Inter-Item Correlation Matrix

	bicycling	driving	moving around the house	walking outdoors	reading	watching TV
bicycling	1,000	,635	,599	,583	,232	,336
driving	,635	1,000	,596	,466	,320	,461
moving around the house	,599	,596	1,000	,668	,460	,359
walking outdoors	,583	,466	,668	1,000	,423	,297
reading	,232	,320	,460	,423	1,000	,494
watching TV	,336	,461	,359	,297	,494	1,000
hobby or pastime	,416	,368	,517	,459	,429	,377
feeling hindered	,377	,534	,435	,410	,415	,432

Inter-Item Correlation Matrix

	hobby or pastime	feeling hindered
bicycling	,416	,377
driving	,368	,534
moving around the house	,517	,435
walking outdoors	,459	,410
reading	,429	,415
watching TV	,377	,432
hobby or pastime	1,000	,506
feeling hindered	,506	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
bicycling	14,47	10,660	,625	,545	,845
driving	14,82	10,932	,673	,570	,837
moving around the house	13,97	12,033	,733	,605	,839
walking outdoors	14,30	11,197	,649	,529	,840
reading	14,82	12,017	,526	,405	,854
watching TV	14,78	11,834	,533	,371	,853
hobby or pastime	14,75	11,309	,596	,409	,846
feeling hindered	14,65	11,452	,611	,431	,844

* 4a Subscale appearance.

RELIABILITY

```

/VARIABLES= changed_app stared unpeas_react selfconfidence friends isolation p
  hotos
  mask_changes
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/STATISTICS=CORR
/SUMMARY=TOTAL .

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Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	53	75,7
	Excluded ^a	17	24,3
	Total	70	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
,817	,826	8

Inter-Item Correlation Matrix

	changed appearance	stared at in the streets	people react unpleasantly	influence on self-confidence	influence on making friends
changed appearance	1,000	,628	,512	,446	,405
stared at in the streets	,628	1,000	,566	,398	,230
people react unpleasantly	,512	,566	1,000	,529	,457
influence on self-confidence	,446	,398	,529	1,000	,541
influence on making friends	,405	,230	,457	,541	1,000
socially isolated	,292	,245	,337	,490	,392
less often on photos	,330	,361	,517	,535	,428
mask changes in appearance	,312	,325	,236	,321	,123

Inter-Item Correlation Matrix

	socially isolated	less often on photos	mask changes in appearance
changed appearance	,292	,330	,312
stared at in the streets	,245	,361	,325
people react unpleasantly	,337	,517	,236
influence on self-confidence	,490	,535	,321
influence on making friends	,392	,428	,123
socially isolated	1,000	,142	-,022
less often on photos	,142	1,000	,369
mask changes in appearance	-,022	,369	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
changed appearance	15,72	13,745	,618	,490	,786
stared at in the streets	15,08	13,340	,586	,507	,789
people react unpleasantly	14,98	12,980	,672	,510	,776
influence on self-confidence	15,23	12,986	,690	,551	,774
influence on making friends	14,57	14,597	,522	,410	,800
socially isolated	14,62	15,663	,354	,333	,818
less often on photos	15,45	12,406	,580	,436	,792
mask changes in appearance	15,08	13,763	,361	,243	,830

* 4b All 16 items.

RELIABILITY

```

/VARIABLES= bicycling driving moving_house walking reading tv hobby
interference changed_app stared unpeas_react selfconfidence friends isolation
photos
mask_changes
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/STATISTICS=CORR
/SUMMARY=TOTAL .
  
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Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	46	65,7
	Excluded ^a	24	34,3
	Total	70	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
,819	,829	16

Inter-Item Correlation Matrix

	bicycling	driving	moving around the house	walking outdoors	reading	watching TV
bicycling	1,000	,629	,508	,499	,172	,268
driving	,629	1,000	,513	,413	,243	,430
moving around the house	,508	,513	1,000	,628	,427	,236
walking outdoors	,499	,413	,628	1,000	,406	,257
reading	,172	,243	,427	,406	1,000	,449
watching TV	,268	,430	,236	,257	,449	1,000
hobby or pastime	,355	,271	,412	,350	,430	,311
feeling hindered	,310	,525	,370	,299	,405	,453
changed appearance	,095	,004	,175	,053	,233	,107
stared at in the streets	,256	,010	,346	,185	,243	,155
people react unpleasantly	,040	,095	,181	,095	,033	,043
influence on self-confidence	-,241	-,120	-,082	,063	,138	,225
influence on making friends	-,067	,060	,121	,178	-,006	,084
socially isolated	-,002	,123	,097	,016	,118	,088
less often on photos	,002	-,194	-,004	,119	-,202	,046
mask changes in appearance	,123	,069	,178	,182	,196	,018

Inter-Item Correlation Matrix

	hobby or pastime	feeling hindered	changed appearance	stared at in the streets	people react unpleasantly
bicycling	,355	,310	,095	,256	,040
driving	,271	,525	,004	,010	,095
moving around the house	,412	,370	,175	,346	,181
walking outdoors	,350	,299	,053	,185	,095
reading	,430	,405	,233	,243	,033
watching TV	,311	,453	,107	,155	,043
hobby or pastime	1,000	,472	,189	,135	,020
feeling hindered	,472	1,000	,304	,239	,229
changed appearance	,189	,304	1,000	,678	,544
stared at in the streets	,135	,239	,678	1,000	,541
people react unpleasantly	,020	,229	,544	,541	1,000
influence on self-confidence	,041	,269	,459	,361	,479
influence on making friends	,117	,326	,441	,223	,480
socially isolated	,134	,333	,304	,177	,287
less often on photos	-,079	,122	,351	,417	,532
mask changes in appearance	,075	,227	,361	,364	,211

Inter-Item Correlation Matrix

	influence on self-confidence	influence on making friends	socially isolated	less often on photos	mask changes in appearance
bicycling	-,241	-,067	-,002	,002	,123
driving	-,120	,060	,123	-,194	,069
moving around the house	-,082	,121	,097	-,004	,178
walking outdoors	,063	,178	,016	,119	,182
reading	,138	-,006	,118	-,202	,196
watching TV	,225	,084	,088	,046	,018
hobby or pastime	,041	,117	,134	-,079	,075
feeling hindered	,269	,326	,333	,122	,227
changed appearance	,459	,441	,304	,351	,361
stared at in the streets	,361	,223	,177	,417	,364
people react unpleasantly	,479	,480	,287	,532	,211
influence on self-confidence	1,000	,562	,456	,543	,319
influence on making friends	,562	1,000	,381	,486	,111
socially isolated	,456	,381	1,000	,153	-,021
less often on photos	,543	,486	,153	1,000	,379
mask changes in appearance	,319	,111	-,021	,379	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
bicycling	32,07	32,996	,334	,664	,815
driving	32,37	33,394	,331	,739	,815
moving around the house	31,59	33,937	,499	,624	,808
walking outdoors	31,89	32,943	,444	,572	,808
reading	32,39	33,710	,371	,578	,812
watching TV	32,41	33,626	,371	,500	,812
hobby or pastime	32,37	33,483	,362	,416	,813
feeling hindered	32,26	31,930	,598	,569	,799
changed appearance	32,78	31,552	,573	,630	,799
stared at in the streets	32,20	30,916	,574	,667	,798
people react unpleasantly	32,09	31,548	,508	,571	,803
influence on self-confidence	32,35	32,054	,463	,685	,806
influence on making friends	31,70	32,928	,455	,557	,807
socially isolated	31,74	34,375	,323	,374	,815
less often on photos	32,50	31,589	,369	,681	,816
mask changes in appearance	32,20	31,539	,370	,421	,816

*4c Shorten subscale visual functioning.

* delete reading.

RELIABILITY

```

/VARIABLES=bicycling driving moving_house walking tv hobby
interference
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/SUMMARY=TOTAL .

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Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	60	85,7
	Excluded ^a	10	14,3
	Total	70	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,854	7

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
bicycling	12,63	8,270	,660	,828
driving	12,98	8,593	,692	,821
moving around the house	12,13	9,677	,726	,827
walking outdoors	12,47	8,931	,640	,830
watching TV	12,95	9,608	,493	,850
hobby or pastime	12,92	9,061	,578	,839
feeling hindered	12,82	9,169	,599	,836

*delete watching tv.

RELIABILITY

```
/VARIABLES=bicycling driving moving_house walking hobby
interference
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/SUMMARY=TOTAL .
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Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	61	87,1
	Excluded ^a	9	12,9
	Total	70	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,849	6

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
bicycling	10,79	6,137	,670	,819
driving	11,13	6,516	,673	,817
moving around the house	10,28	7,371	,740	,818
walking outdoors	10,61	6,676	,657	,820
hobby or pastime	11,07	6,896	,566	,838
feeling hindered	10,97	7,032	,573	,835

*delete hobby.

RELIABILITY

```
/VARIABLES=bicycling driving moving_house walking interference
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/SUMMARY=TOTAL .
```

Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	62	88,6
	Excluded ^a	8	11,4
	Total	70	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,835	5

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
bicycling	8,87	3,983	,679	,793
driving	9,21	4,267	,704	,781
moving around the house	8,34	5,146	,706	,800
walking outdoors	8,68	4,517	,648	,798
feeling hindered	9,03	4,917	,521	,832

*delete interference.

```
RELIABILITY
/VARIABLES=bicycling driving moving_house walking
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/SUMMARY=TOTAL .
```

Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	62	88,6
	Excluded ^a	8	11,4
	Total	70	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,832	4

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
bicycling	6,87	2,442	,713	,771
driving	7,21	2,824	,661	,788
moving around the house	6,34	3,474	,708	,795
walking outdoors	6,68	2,943	,648	,793

*4c Shorten subscale appearance.

* delete mask changes.

RELIABILITY

```

/VARIABLES= changed_app stared unpeas_react selfconfidence friends isolation p
hotos
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/SUMMARY=TOTAL .

```

Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	53	75,7
	Excluded ^a	17	24,3
	Total	70	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,830	7

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
changed appearance	13,55	10,522	,610	,802
stared at in the streets	12,91	10,202	,569	,808
people react unpleasantly	12,81	9,694	,702	,785
influence on self-confidence	13,06	9,824	,691	,787
influence on making friends	12,40	11,090	,563	,811
socially isolated	12,45	11,983	,412	,830
less often on photos	13,28	9,476	,545	,820

* delete isolation.

RELIABILITY

```
/VARIABLES= changed_app stared unpeas_react selfconfidence friends photos
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/SUMMARY=TOTAL .
```

Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	53	75,7
	Excluded ^a	17	24,3
	Total	70	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,830	6

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
changed appearance	10,92	8,956	,610	,802
stared at in the streets	10,28	8,630	,575	,808
people react unpleasantly	10,19	8,194	,702	,781
influence on self-confidence	10,43	8,443	,657	,791
influence on making friends	9,77	9,563	,539	,816
less often on photos	10,66	7,844	,572	,816

* delete friends.

RELIABILITY

```

/VARIABLES= changed_app stared unpeas_react selfconfidence photos
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/SUMMARY=TOTAL .

```

Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	53	75,7
	Excluded ^a	17	24,3
	Total	70	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,816	5

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
changed appearance	8,25	6,881	,602	,784
stared at in the streets	7,60	6,436	,610	,779
people react unpleasantly	7,51	6,216	,694	,754
influence on self-confidence	7,75	6,535	,616	,777
less often on photos	7,98	5,942	,550	,807

* delete photos.

RELIABILITY

```

/VARIABLES= changed_app stared unpeas_react selfconfidence
/SCALE('ALL VARIABLES') ALL/MODEL=ALPHA
/SUMMARY=TOTAL .

```

Reliability

[DataSet1] N:\EMGO\Kenniscentrum Meetinstrumenten\Onderwijs\boek Riekie\materiaal voor website\Chapter 4\chapter4_assignment3_factor analysis GO-QOL_Terwee 1998.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	69	98,6
	Excluded ^a	1	1,4
	Total	70	100,0

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

Reliability Statistics

Cronbach's Alpha	N of Items
,799	4

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
changed appearance	6,58	3,453	,661	,730
stared at in the streets	5,91	3,257	,618	,746
people react unpleasantly	5,81	3,185	,638	,736
influence on self-confidence	6,13	3,468	,541	,784