

Example of a Guttman Scale Analysis									
Resp	Q1	Q2	Q3	Q4	Q5	MMR =			
1	+A	+A	A	+A	+A			0.8	
2	+A	+A	A	A	+A			0.6	
3	+A	+A	A	A	+A			0.6	
4	+A	+A	A	A	D			0.5	
5	+A	D	A	D	A			0.5	
6	+A	A	D	D	A			3.0 / 5 =	0.60
7	+A	D	+A	A	D			C.R. = 1 - (5/50) =	0.90
8	A	A	D	D	D				
9	D	D	D	D	+D			% Improve = .90 - .60 =	0.30
10	+D	+D	D	D	D				
%A	0.8	0.6	0.6	0.5	0.5			C.S. = .30 / .40 =	0.75
%D	0.2	0.4	0.4	0.5	0.5				

1. MMR is the average modal response (i.e. highest response categories added and averaged)
2. CR is the 1 - the proportion of errors (i.e. agrees below the highlighted cell or disagrees above the highlighted cells)
3. % improvement = #1 - #2 above
4. Coefficient of Scalability = the % improvement (#3 above) divided by 1 - MMR (#1 above)