

	MINISSA (1 of MDSX Library)	PERMAP Ordinal (Package)	PROXSCAL Ordinal (Package)
DATA: (2W1M) Direct Input Form:	LT	LTD, FM	LT, UT, FM
Internal calc.	N	Y (via Attributes)	Y
External calc.	Y, via WOMBATS		Y
Echo Input data	PRINT DATA		(Output: Print Input)
TRANSFORMATION	SM -> WM	WM	WM, SM
Ties	TIES 1 & 2	1	1 & 2(Untie)
MODEL (Distance)	CB, Eucl.	CB, Euc, Mink	Eucl.
RUN DETAILS			
MULTIPLE?	N	YES	N
Interactive	N	Y	N
Initial Configuration	GLR Quasi-metric		Choice (Simplex, Torgerson, Random)
Minimization of	Stress*- > Stress ^	Choice (stress, S-stress)	Stress
Step-size	automatic	Choice	automatic
Termination	(#, Min S and ,)	Choice (varied precision)	(#, Min S and ,)
Final Badness of Fit	Raw, S1 (* & ^)	Obj. Function	Raw, S1etc
Yardstick	Y (Spence)		
Point decomposition S1	Y	Y	
Shepard diagram 3-plot	Y	Map Eval, links	N (2-plots)
Other Diagnostics		Point & Link diags.	
Final Configuration Plot	Y (2, 3D)	Y 2D	Y (pairwise)
Comment:	Often lowest Stress Implements GLR 2-phase minimization	Amazing flexibility, good graphics and easy multiple runs. Only 2D	Improved ALSCAL; Accepts LT unlike SPSS ALSCAL

COMPARE AND CONTRAST MAIN MDS BASIC MODEL PROGRAMS