

CHAPTER 3: MULTIDIMENSIONAL SCALING

Output from analysis of colour data

2-Dimensional Solution

Stress and Fit Measures

Normalized Raw Stress	.00106
Stress-I	.03263 ^a
Stress-II	.07972 ^a
S-Stress	.00282 ^b
Dispersion Accounted For (D.A.F.)	.99894
Tucker's Coefficient of Congruence	.99947

PROXSCAL minimizes Normalized Raw Stress.

a. Optimal scaling factor = 1.001.

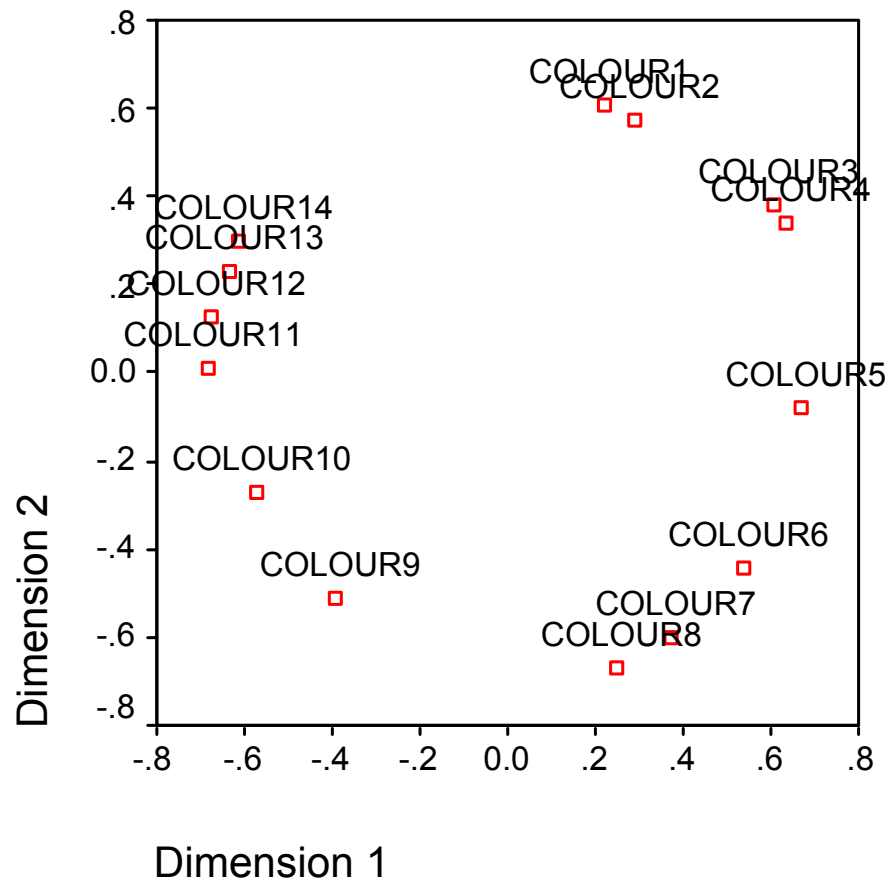
b. Optimal scaling factor = .999.

Final Coordinates

	Dimension	
	1	2
COLOUR1	.221	.611
COLOUR2	.289	.576
COLOUR3	.605	.380
COLOUR4	.633	.340
COLOUR5	.669	-.080
COLOUR6	.535	-.443
COLOUR7	.376	-.602
COLOUR8	.247	-.667
COLOUR9	-.396	-.513
COLOUR10	-.573	-.271
COLOUR11	-.681	.010
COLOUR12	-.678	.130
COLOUR13	-.633	.228
COLOUR14	-.614	.302

Object Points

Common Space



1-Dimensional Solution

Stress and Fit Measures

Normalized Raw Stress	.07661
Stress-I	.27679 ^a
Stress-II	.49530 ^a
S-Stress	.14300 ^b
Dispersion Accounted For (D.A.F.)	.92339
Tucker's Coefficient of Congruence	.96093

PROXSCAL minimizes Normalized Raw Stress.

a. Optimal scaling factor = 1.083.

b. Optimal scaling factor = .977.

Common Space

Final Coordinates

	Dimensio n
	1
COLOUR1	.051
COLOUR2	.139
COLOUR3	.879
COLOUR4	.889
COLOUR5	.746
COLOUR6	.581
COLOUR7	.477
COLOUR8	.444
COLOUR9	-.433
COLOUR10	-.551
COLOUR11	-.734
COLOUR12	-.854
COLOUR13	-.789
COLOUR14	-.846