

MULTIDIMENSIONAL SCALING

Clearing up the structure using PERMAP

Original 2D configuration of 28 Drugs, stress1 ≈ 0.126

Step	Objects	Stress1	Stress Outliers	Shape	REMOVE
1	All 28	0.126	STER, METH	Horseshoe, precariously linked by GLUE & CANN, tying ALC/TOBA group into others	STER, METH
2	26	0.101	GLUE	GLUE & CANN still liaison pts	GLUE
3	25	0.100	GHB	CANN still liaison	CANN (to break link)
4	24	0.080	KETA (o/l)	ALC gp now separated, TEM & BARB liaison	KETA, BARB, TEMA
5	21	0.018		3 clear disjoint groups	

This procedure identifies points as follows:

- CATEGORY 1:
 - INSU, ASPI, PROZ, VIAG, PENI, COUG
 - arguably (from subjects identifications): Prescription / Pharmacy
- CATEGORY 2:
 - ALCO, CAFF, TOBA, CHOC
 - Pleasant addiction, Household
- CATEGORY 3:
 - COCA, CRAC, LSD , MAGI, AMPH, KETA, POPP, ECST, HERO, PCP
 - Recreational drugs
- LIAISON (Hamiltonian) points, joining clusters
 - STER, METH, GLUE, CANN, KETA, BARB, TEMA
 - possibly ambiguous because overlapping 2 or more categories.
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