

Supplementary Material

Mean VAR coefficients are shown in Figure 5 and are listed in Tables 11 and 12. Table 13 and Figure 6 give the cluster-wise mean scores on cross-sectional measures for the probabilistic VAR(2) solution and Table 14 and Figure 7 for the non-probabilistic clustering solution. Table 15 shows the variance within clusters for the probabilistic VAR(1) solution, Table 16 shows cross-sectional measures for solutions for different numbers of clusters.

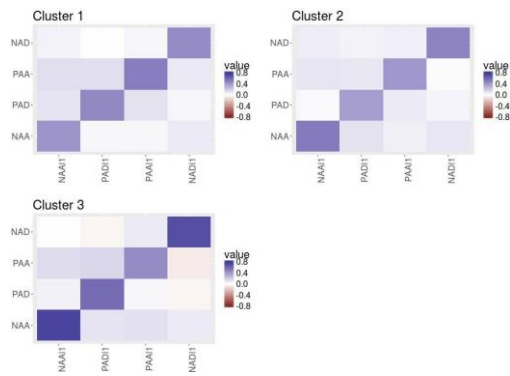


Figure 5. Mean VAR coefficients in the clusters reached through the non-probabilistic clustering method. Clusters are based on the multivariate associations between the following variables: Negative Affect Deactivation, Positive Affect Activation, Positive Affect Deactivation and Negative Affect Activation.

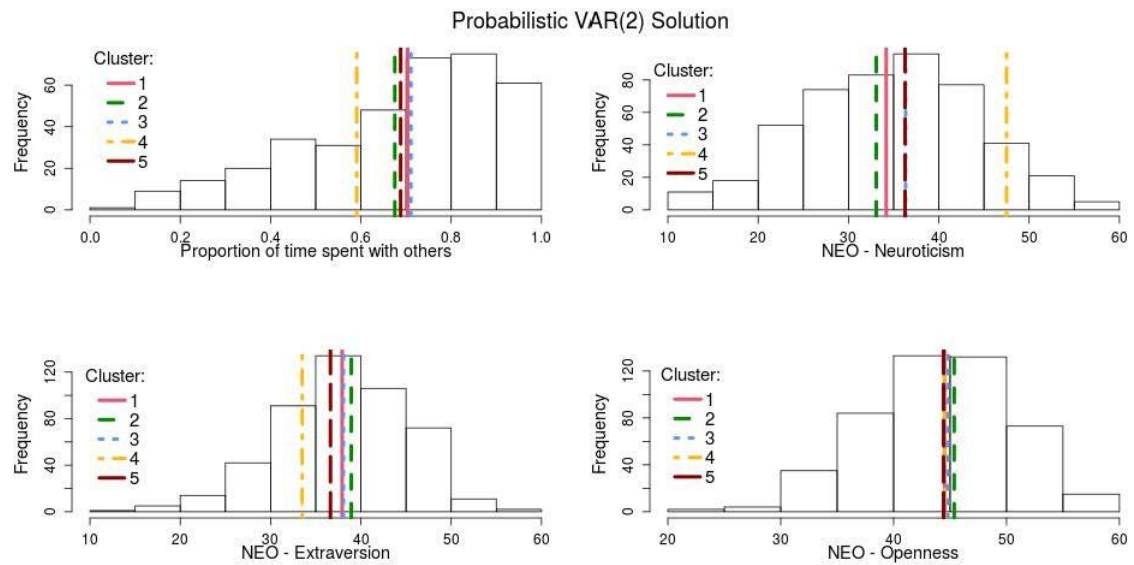


Figure 6. Distribution of scores on personality measurements of the whole sample. Vertical lines show mean values of clusters reached through the probabilistic VAR(2) clustering method.

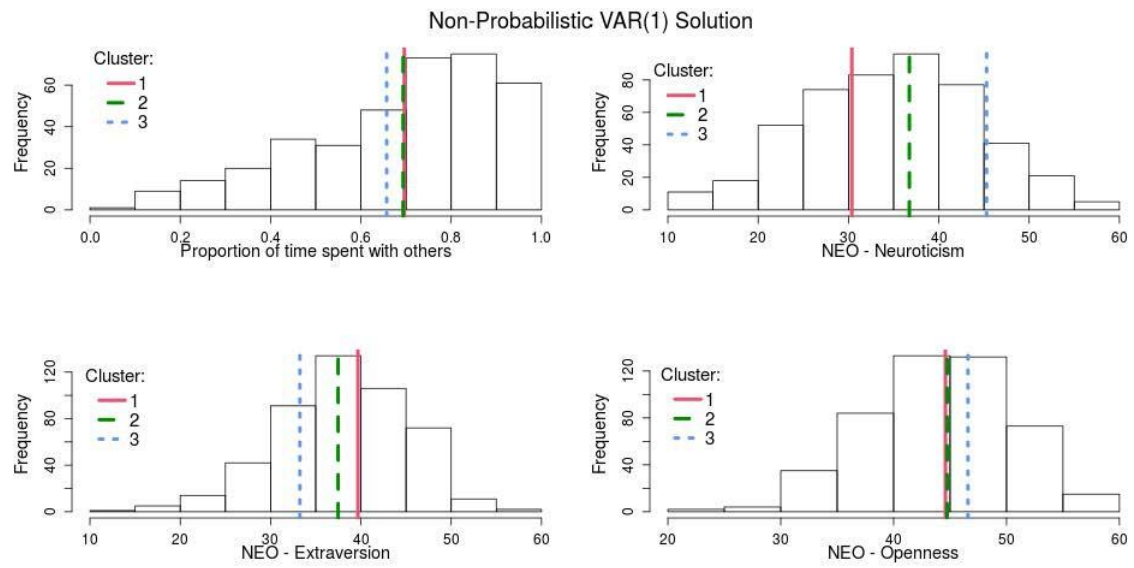


Figure 7. Distribution of scores on personality measurements of the whole sample. Vertical lines show mean values of clusters reached through the non-probabilistic clustering method.

Table 11
Mean VAR coefficients in the five clusters of the probabilistic VAR(2) method.

	Cluster 1				Cluster 2				Cluster 3				Cluster 4				Cluster 5			
	NAA	PAD	PAA	NAD	NAA	PAD	PAA	NAD	NAA	PAD	PAA	NAD	NAA	PAD	PAA	NAD	NAA	PAD	PAA	NAD
Int	54.69	112.77	113.86	53.75	47.51	139.48	107.54	77.313	50.769	143.38	146.05	88.70	-	57.57	64.182	161.64	50.818	126.55	108.25	88.966
	4	6	2	1	9	1	8			3	8	5	17.116	7		1		0	1	
NAA	.261	-.069	-.020	.045	.179	.020	.045	.039	.144	-.046	.020	-.033	.286	-.046	-.020	.101	.182	-.023	.029	-.002
l1																				
PAD	-.012	.184	.088	-.030	-.007	.135	.030	-.006	-.034	.120	.061	-.068	-.001	.147	.004	.356	.051	.183	.077	.005
l1																				
PAA	.038	.067	.185	-.020	-.022	.102	.206	-.015	-.014	.117	.161	-.037	.304	-.117	-.009	-.036	-.042	.034	.173	-.054
l1																				
NAD	.091	-.034	-.079	.231	.007	.011	-.025	.202	.058	-.032	-.136	.256	.122	.020	-.080	.170	.035	-.007	-.017	.169
l1																				
NAA	-.021	.021	.044	.033	.043	-.010	-.015	.037	.051	-.002	.023	-.029	.035	-.025	.061	.020	.067	.002	-.006	.020
l2																				
PAD	-.031	.049	.022	.017	.034	.006	.020	-.018	.012	.027	.032	.009	.115	-.034	.121	-.033	-.066	.112	.036	-.037
l2																				
PAA	-.043	.040	-.004	.040	-.022	.012	.080	-.039	.030	-.005	-.050	.010	.036	-.049	.026	.024	.057	-.026	-.026	.039
l2																				
NAD	-.037	.085	.003	.095	.007	.004	.034	.005	.050	-.044	-.084	.054	.029	-.036	-.072	.106	.029	-.008	.011	.021
l2																				

Table 12

Mean VAR(1) coefficients of the non-probabilistic clustering method.

	Cluster 1				Cluster 2				Cluster 3			
	NAA	PAD	PAA	NAD	NAA	PAD	PAA	NAD	NAA	PAD	PAA	NAD
Int	4.450	81.79	54.12	27.33	3.092	87.49	65.52	33.82	-	47.75	33.40	43.05
		7	5	8		3	6	5	4.245	1	5	7
NAA l1	.412	.101	.123	.049	.519	.027	.098	.067	.747	.051	.134	-.007
PADl 1	.034	.462	.124	-.008	.106	.376	.091	.048	.103	.579	.151	-.035
PAAI 1	.035	.111	.508	.036	.059	.077	.401	.058	.114	.032	.449	.081
NAD l1	.077	.038	.083	.446	.091	.039	.013	.478	.078	-.036	-.073	.705

Table 13

Mean (SD) scores on static variables for clusters reached by the probabilistic VAR(2) clustering method.

	% Male	birth year	PANAS PA	PANAS NA	anxiety panic	QIDS sum	Proportion
Cluster 1	.17 (.38)	1972.22 (12.87)	33.12 (6.16)	20.97 (7.47)	.83 (.79)	6.36 (4.21)	.19
Cluster 2	.20 (.40)	1973.00 (14.04)	33.17 (6.45)	19.08 (6.34)	.67 (.77)	5.51 (4.11)	.37
Cluster 3	.14 (.35)	1972.79 (13.41)	32.28 (7.03)	20.82 (6.81)	.82 (.83)	6.61 (4.18)	.21
Cluster 4	.00 (.00)	1966.50 (7.78)	28.50 (14.85)	26.00 (1.41)	1.50 (.71)	15.00 (2.83)	.01
Cluster 5	.22 (.41)	1972.98 (14.25)	31.07 (7.92)	21.87 (8.32)	.84 (.86)	7.35 (5.11)	.23

Table 14

Mean (SD) of covariates in the three clusters reached by the non-probabilistic clustering method.

	% Male	birth year	PANAS PA	PANAS NA	anxiety panic	QIDS sum	Proportion
Cluster 1	.19 (.40)	1970.25 (14.98)	36.23 (5.09)	16.32 (5.02)	.40 (.56)	4.23 (3.00)	.41
Cluster 2	.16 (.36)	1975.55 (11.91)	30.79 (6.58)	21.66 (6.09)	.86 (.74)	6.82 (4.14)	.48
Cluster 3	.28 (.45)	1970.26 (13.67)	26.26 (6.85)	30.02 (6.89)	1.72 (.93)	11.95 (4.66)	.12

Table 15

Variances of the VAR(1) coefficients within a cluster as estimated by the finite mixture model for the 5 cluster solution. Within cluster variances are equal for all clusters because the more parsimonious parametrization with equal covariance matrices for all clusters was selected via the BIC for the 5 cluster solution.

	NAA	PAD	PAA	NAD
Int	1, 560.745	2, 108.817	2, 822.039	2, 586.750
NAA11	.021	.020	.030	.027
PAD11	.019	.027	.028	.022
PAA11	.015	.018	.021	.019
NAD11	.014	.018	.025	.023

Table 16

Mean (SD) scores on static variables for the clusters reached by the probabilistic clustering VAR(1) method for different number of clusters.

	% Male	birth year	PANAS PA	PANAS NA	anxiety panic	QIDS sum	Proportion
2 Cluster 1	.00 (.00)	1966.50 (7.78)	28.50 (14.85)	26.00 (1.41)	1.50 (.71)	15.00 (2.83)	.01
2 Cluster 2	.19 (.39)	1972.80 (13.69)	32.49 (6.90)	20.44 (7.20)	.77 (.81)	6.32 (4.43)	.99
3 Cluster 1	.18 (.38)	1972.32 (13.94)	33.48 (6.46)	18.99 (6.13)	.64 (.70)	5.56 (3.76)	.82
3 Cluster 2	.23 (.43)	1975.27 (12.18)	27.50 (6.97)	27.78 (7.76)	1.42 (.98)	10.20 (5.45)	.17
3 Cluster 3	.00 (.00)	1966.50 (7.78)	28.50 (14.85)	26.00 (1.41)	1.50 (.71)	15.00 (2.83)	.01
4 Cluster 1	.16 (.37)	1973.20 (13.37)	32.56 (6.85)	20.09 (6.36)	.72 (.74)	6.19 (4.06)	.63
4 Cluster 2	.21 (.41)	1975.65 (11.87)	27.86 (6.73)	27.89 (7.46)	1.44 (.98)	10.12 (4.99)	.16
4 Cluster 3	.24 (.43)	1969.40 (15.38)	35.83 (5.02)	15.83 (4.61)	.40 (.52)	3.85 (2.88)	.21
4 Cluster 4	.00 (.00)	1966.50 (7.78)	28.50 (14.85)	26.00 (1.41)	1.50 (.71)	15.00 (2.83)	.01
5 Cluster 1	.21 (.41)	1971.00 (16.21)	35.65 (5.26)	15.82 (5.14)	.40 (.53)	4.00 (3.07)	.15
5 Cluster 2	.17 (.37)	1972.95 (13.39)	32.71 (6.83)	20.11 (6.15)	.73 (.74)	6.16 (4.01)	.63
5 Cluster 3	.33 (.49)	1967.22 (12.74)	34.67 (5.67)	15.11 (2.97)	.28 (.46)	3.67 (3.45)	.05
5 Cluster 4	.00 (.00)	1966.50 (7.78)	28.50 (14.85)	26.00 (1.41)	1.50 (.71)	15.00 (2.83)	.01
5 Cluster 5	.19 (.40)	1975.75 (11.86)	27.77 (6.67)	28.07 (7.78)	1.44 (.98)	10.12 (5.02)	.16