Appendix C: Results of LCA

The number of clusters (Bacher, Pöge, & Wenzig, 2008, 2021) was fixed at four because BIC and AIC3 recommend this solution (see Table C1). AIC suggests a five-cluster solution, but the value differs only minimally from the value of the four-cluster solution. In addition, it is well known that AIC overestimates the number of clusters (Bacher et al., 2008). CAIC proposes three clusters, but the value differs only slightly from the solution with four clusters.

Table C1: Results of Latent Class Analysis (LCA) for Consent Items

Number of clusters	LL	BIC(LL)	AIC(LL)	AIC3(LL)	CAIC(LL)
1	-1,118.3	2,282.3	2,252.6	2,260.6	2,290.3
2	-926.1	1,949.1	1,886.1	1,903.1	1,966.1
3	-832.0	1,812.3	1,716.0	1,742.0	**1,838.3**
4	-803.1	**1,805.9**	*1,676.3*	**1,711.3**	*1,840.9*
5	-793.6	1,838.3	**1,675.3**	1,719.3	1,882.3
6	-787.8	1,877.8	1,681.5	1,734.5	1,930.8
7	-783.8	1,921.3	1,691.6	1,753.6	1,983.3
8	-782.3	1,969.5	1,706.5	1,777.5	2,040.5
9	-780.3	2,016.8	1,720.5	1,800.5	2,096.8

Source: ASS-ISSP2023-pilot-study, number of cases *n* = 300.
Note: Latent Gold 4.5 was used for LCA.

Table C2: Mean Profiles of Four-Cluster Solution

	Cluster 1	Cluster 2	Cluster 3	Cluster 4
Cluster Size	0.407	0.283	0.233	0.077
Indicators				
ic_ic1				
agree	0.970	0.815	0.086	0.097
disagree	0.001	0.118	0.856	0.003
don´t know	0.029	0.067	0.058	0.900
ic_ic2				
agree	0.969	0.928	0.006	0.019
disagree	0.006	0.058	0.961	0.007
don´t know	0.025	0.015	0.033	0.975
ic_ic3				
agree	0.864	0.204	0.028	0.006
disagree	0.015	0.734	0.948	0.117
don´t know	0.121	0.062	0.024	0.877
ic_ic4				
agree	0.749	0.339	0.051	0.049
disagree	0.057	0.634	0.934	0.082
don´t know	0.194	0.027	0.015	0.869

Source: ASS-ISSP2023-pilot-study, number of cases *n* = 300.
Note: Latent Gold 4.5 was used for LCA.