

Table. Summary of MNP and MNL Posterior Densities from the Dutch Spatial Model

Parameter	Party	MNP	MNP		MNL	MNL	
		Posterior Mean	95% BCI		Posterior Mean	95% BCI	
			Lower	Upper		Lower	Upper
Spatial Distance		-0.420	-0.538	-0.314	-0.742	-0.860	-0.630
	PvdA	0.622	0.402	0.843	1.589	1.287	1.888
Constant	VVD	0.334	0.051	0.610	1.003	0.646	1.352
	CDA	0.655	0.460	0.849	1.394	1.090	1.707
Variance-Covariance Estimates							
		$\sigma_{PvdA-D'66, PvdA-D'66}^2$	1.000	1.000	1.000		
		$\sigma_{PvdA-D'66, VVD-D'66}$	-0.060	-0.685	0.539		
		$\sigma_{PvdA-D'66, CDA-D'66}$	1.258	0.704	2.086	n.a.	
		$\sigma_{VVD-D'66, VVD-D'66}^2$	0.186	-0.078	0.448		
		$\sigma_{VVD-D'66, CDA-D'66}$	0.558	0.254	0.926		
		$\sigma_{CDA-D'66, CDA-D'66}^2$	0.454	0.234	0.777		
Correctly Predicted	D'66	0.144	0.112	0.179	0.131	0.102	0.164
	PvdA	0.558	0.512	0.601	0.571	0.527	0.612
	VVD	0.400	0.350	0.451	0.395	0.344	0.445
	CDA	0.475	0.436	0.515	0.454	0.409	0.498
	Model	0.471	0.455	0.486	0.452	0.435	0.468
Gibbs Iterations		15000			15000		
ln(Marginal Likelihood)		-544.491			-531.755		
N		529			529		

Note: The abbreviation 95% BCI represents the Bayesian Credible Interval. This interval summarizes the central 95% of the posterior density.

Table. Summary of MNP and MNL Posterior Densities from the Dutch Classical (Social-Structural) Model

Parameter	Party	MNP	MNP		MNL	MNL	
		Posterior	95% BCI		Posterior	95% BCI	
		Mean	Lower	Upper	Mean	Lower	Upper
Age of Party		-0.026	-0.079	0.028	-0.017	-0.043	0.011
	PvdA	0.853	0.361	1.397	1.319	0.329	2.467
Manual Labor	VVD	-0.553	-1.476	0.283	-0.445	-1.621	1.006
	CDA	0.622	-0.012	1.292	0.981	-0.104	2.230
Religion	PvdA	-0.127	-0.328	0.093	0.068	-0.216	0.351
	VVD	0.036	-0.266	0.361	0.156	-0.164	0.486
	CDA	1.123	0.734	1.564	1.525	1.199	1.902
Income	PvdA	-0.046	-0.090	-0.002	-0.046	-0.133	0.018
	VVD	0.087	0.027	0.154	0.115	0.018	0.202
	CDA	0.019	-0.038	0.080	0.011	-0.094	0.094
Town Size	PvdA	0.151	-0.076	0.387	0.340	-0.148	0.771
	VVD	-0.068	-0.397	0.247	0.039	-0.426	0.515
	CDA	0.310	0.025	0.640	0.530	0.053	1.043
Education	PvdA	-0.106	-0.161	-0.050	-0.212	-0.317	-0.102
	VVD	0.042	-0.039	0.130	-0.010	-0.115	0.093
	CDA	-0.060	-0.139	0.016	-0.146	-0.271	-0.030
Constant	PvdA	1.471	0.332	2.621	2.025	1.225	2.813
	VVD	-0.407	-1.733	0.895	-0.132	-1.040	1.028
	CDA	-0.356	-3.501	2.706	-0.627	-1.068	-0.237
Variance-Covariance Estimates							
$\sigma^2_{PvdA-D'66, PvdA-D'66}$	1.000	1.000	1.000				
$\sigma_{PvdA-D'66, VVD-D'66}$	0.075	-0.695	0.692				
$\sigma_{PvdA-D'66, CDA-D'66}$	1.937	1.016	3.248		n.a.		
$\sigma^2_{VVD-D'66, VVD-D'66}$	0.010	-0.547	0.592				
$\sigma_{VVD-D'66, CDA-D'66}$	0.655	-0.446	2.053				
$\sigma^2_{CDA-D'66, CDA-D'66}$	1.737	0.931	2.953				
Correctly Predicted	D'66	0.154	0.118	0.191	0.152	0.113	0.188
	PvdA	0.487	0.443	0.532	0.498	0.457	0.541
	VVD	0.307	0.258	0.366	0.306	0.265	0.355
	CDA	0.567	0.517	0.612	0.568	0.523	0.610
	Model	0.459	0.441	0.475	0.449	0.435	0.464
Gibbs Iterations		15000			15000		
ln(Marginal Likelihood)		-596.147			-563.650		
N		529			529		

Note: The abbreviation 95% BCI represents the Bayesian Credible Interval. This interval summarizes the central 95% of the posterior density.

Table. Summary of MNP and MNL Posterior Densities from the Dutch Joint Spatial / Classical Model

Parameter	Party	MNP	MNP		MNL	MNL	
		Posterior	95% BCI		Posterior	95% BCI	
		Mean	Lower	Upper	Mean	Lower	Upper
Spatial Distance		-0.455	-0.571	-0.341	-0.665	-0.785	-0.557
Age of Party		-0.008	-0.060	0.045	-0.007	-0.036	0.017
Manual Labor	PvdA	0.865	0.377	1.408	1.406	0.444	2.508
	VVD	-0.522	-1.350	0.268	-0.547	-1.996	0.937
Religion	CDA	0.537	0.023	1.151	1.064	0.012	2.330
	PvdA	-0.082	-0.295	0.124	0.080	-0.234	0.408
Income	VVD	-0.012	-0.271	0.242	0.086	-0.236	0.434
	CDA	0.736	0.427	1.108	1.382	1.070	1.757
Town Size	PvdA	-0.043	-0.089	0.002	-0.056	-0.141	0.038
	VVD	0.059	0.005	0.116	0.095	0.004	0.201
Education	CDA	0.021	-0.029	0.068	0.019	-0.065	0.115
	PvdA	0.162	-0.073	0.407	0.373	-0.055	0.878
Constant	VVD	0.017	-0.283	0.321	0.221	-0.271	0.774
	CDA	0.236	-0.015	0.517	0.517	0.058	1.044
Education	PvdA	-0.113	-0.170	-0.054	-0.203	-0.311	-0.086
	VVD	-0.002	-0.074	0.073	-0.056	-0.173	0.078
Constant	CDA	-0.062	-0.128	-0.002	-0.148	-0.266	-0.033
	PvdA	1.298	0.165	2.433	2.112	1.276	2.927
Constant	VVD	0.031	-1.116	1.175	0.313	-0.920	1.273
	CDA	-0.408	-3.530	2.640	-0.784	-1.206	-0.265
Variance-Covariance Estimates							
$\sigma_{PvdA-D'66, PvdA-D'66}^2$	1.000	1.000	1.000				
$\sigma_{PvdA-D'66, VVD-D'66}$	-0.141	-0.664	0.399				
$\sigma_{PvdA-D'66, CDA-D'66}$	1.383	0.803	2.077	n.a.			
$\sigma_{VVD-D'66, VVD-D'66}^2$	0.170	-0.227	0.589				
$\sigma_{VVD-D'66, CDA-D'66}$	0.489	-0.080	1.049				
$\sigma_{CDA-D'66, CDA-D'66}^2$	0.936	0.342	1.755				
Correctly Predicted	D'66	0.204	0.154	0.259	0.193	0.153	0.241
	PvdA	0.612	0.570	0.652	0.625	0.583	0.659
	VVD	0.495	0.443	0.544	0.499	0.447	0.545
	CDA	0.623	0.574	0.667	0.622	0.580	0.668
	Model	0.564	0.548	0.580	0.555	0.538	0.570
Gibbs Iterations		15000			15000		
ln(Marginal Likelihood)		-427.288			-464.834		
N		529			529		

Note: The abbreviation 95% BCI represents the Bayesian Credible Interval. This interval summarizes the central 95% of the posterior density.