

SUPPLEMENTARY MATERIALS

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Set memberships for the five conditions and outcome (BREAKTHRU)

Election	NOGRO	INCUNEMP	HICORR	INCCORR	HGENP	BREAKTHRU
BGR01	0.005	1.000	1.000	0.000	0.019	1.000
BGR09	0.000	0.688	1.000	0.999	1.000	1.000
SVN11	0.990	0.996	0.000	0.996	0.010	1.000
LTU04	0.000	0.035	0.348	0.875	0.920	0.998
CZE10	0.726	0.999	0.132	0.996	0.021	0.998
EST03	0.000	0.035	0.002	0.875	0.038	0.995
LVA02	0.000	0.201	1.000	0.544	0.666	0.994
SVK02	0.034	0.644	0.999	0.544	0.048	0.987
LVA11	1.000	0.035	0.909	1.000	0.005	0.987
LTU00	0.011	0.995	0.998	0.066	0.258	0.978
LTU08	0.000	0.799	0.222	0.544	0.997	0.919
SVK10	0.362	1.000	0.683	0.999	0.999	0.824
SVK12	0.005	0.549	0.990	1.000	0.996	0.790
POL11	0.022	0.977	0.012	0.000	0.002	0.739
LTU12	0.007	0.000	0.222	0.875	0.997	0.699
POL01	0.002	1.000	0.979	1.000	0.004	0.679
HUN10	0.983	1.000	0.042	0.976	0.002	0.536
LVA98	0.000	0.000	1.000	0.330	0.207	0.526
BGR05	0.000	0.000	0.979	0.180	1.000	0.001
CZE02	0.006	0.059	0.995	1.000	0.010	0.001
CZE06	0.000	0.126	0.909	0.001	0.009	0.001
EST07	0.000	0.001	0.000	0.000	0.979	0.001
EST11	0.999	0.099	0.000	0.875	0.979	0.001
EST99	0.000	0.966	0.001	0.000	0.038	0.001
HUN02	0.004	0.431	0.012	0.180	0.014	0.001
HUN06	0.002	0.977	0.075	0.039	0.007	0.001
HUN98	0.094	0.012	0.026	0.001	0.014	0.001
LVA06	0.000	0.001	0.956	0.001	0.993	0.001
LVA10	1.000	1.000	0.683	0.996	0.993	0.001
POL05	0.002	0.020	1.000	1.000	0.416	0.001
POL07	0.001	0.000	0.999	0.039	0.416	0.001
POL97	0.000	0.012	0.002	0.001	0.003	0.001
SVK06	0.000	0.000	0.909	0.000	0.999	0.001
SVN08	0.000	0.046	0.000	0.000	0.010	0.001

Truth table (outcome: BREAKTHRU)

Row number	NOGRO	INCUNEMP	HICORR	INCCORR	HGENP	OUT	n	incl	PRI	cases
23	1	0	1	1	0	1	1	0.989	0.988	LVA11
16	0	1	1	1	1	1	3	0.982	0.977	BGR09,SVK10,SVK12
12	0	1	0	1	1	1	1	0.977	0.968	LTU08
14	<i>0</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0.955</i>	<i>0.946</i>	
31	1	1	1	1	0	?	0	0.940	0.910	
4	0	0	0	1	1	1	2	0.929	0.907	LTU04,LTU12
13	0	1	1	0	0	1	2	0.917	0.914	BGR01,LTU00
10	0	1	0	0	1	?	0	0.865	0.838	
24	1	0	1	1	1	?	0	0.857	0.663	
29	1	1	1	0	0	?	0	0.838	0.604	
27	1	1	0	1	0	1	3	0.834	0.798	CZE10,HUN10,SVN11
3	0	0	0	1	0	1	1	0.827	0.822	EST03
19	1	0	0	1	0	?	0	0.801	0.741	
15	0	1	1	1	0	1	2	0.798	0.752	POL01,SVK02
8	0	0	1	1	1	1	1	0.781	0.707	LVA02
30	<i>1</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>?</i>	<i>0</i>	<i>0.775</i>	<i>0.605</i>	
22	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>?</i>	<i>0</i>	<i>0.762</i>	<i>0.554</i>	
21	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>?</i>	<i>0</i>	<i>0.676</i>	<i>0.421</i>	
11	<i>0</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>?</i>	<i>0</i>	<i>0.651</i>	<i>0.610</i>	
25	<i>1</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0.622</i>	<i>0.139</i>	
28	<i>1</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>?</i>	<i>0</i>	<i>0.469</i>	<i>0.288</i>	
5	0	0	1	0	0	0	3	0.444	0.325	CZE06,LVA98,POL07
7	0	0	1	1	0	0	2	0.414	0.320	CZE02,POL05
32	1	1	1	1	1	0	1	0.393	0.246	LVA10
2	0	0	0	0	1	0	1	0.297	0.187	EST07
6	0	0	1	0	1	0	3	0.274	0.189	BGR05,LVA06,SVK06
17	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0.252</i>	<i>0.032</i>	
9	0	1	0	0	0	0	3	0.239	0.168	EST99,HUN06,POL11
26	1	1	0	0	1	?	0	0.163	0.052	
18	1	0	0	0	1	?	0	0.146	0.027	
1	0	0	0	0	0	0	4	0.066	0.053	HUN98,HUN02,POL97,SVN08
20	1	0	0	1	1	0	1	0.037	0.004	EST11

Notes: bold – rows above consistency cut-off (threshold); italics – rows examined because of contradictory simplifying assumptions.

Truth table (outcome: ~BREAKTHRU)

Row number	NOGRO	INCUNEMP	HICORR	INCCORR	HGENP	OUT	n	incl	PRI	cases
20	1	0	0	1	1	1	1	0.996	0.996	EST11
18	1	0	0	0	1	?	0	0.976	0.973	
17	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0.975</i>	<i>0.968</i>	
26	1	1	0	0	1	?	0	0.954	0.948	
1	0	0	0	0	0	1	4	0.947	0.947	HUN98,HUN02,POL97,SVN08
25	<i>1</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0.939</i>	<i>0.861</i>	
2	0	0	0	0	1	1	1	0.838	0.813	EST07
6	0	0	1	0	1	1	3	0.831	0.811	BGR05,LVA06,SVK06
32	1	1	1	1	1	1	1	0.802	0.754	LVA10
28	1	1	0	1	1	?	0	0.786	0.712	
9	0	1	0	0	0	1	3	0.779	0.759	EST99,HUN06,POL11
21	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>?</i>	<i>0</i>	<i>0.764</i>	<i>0.579</i>	
29	<i>1</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>?</i>	<i>0</i>	<i>0.752</i>	<i>0.396</i>	
7	0	0	1	1	0	0	2	0.725	0.680	CZE02,POL05
24	<i>1</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>?</i>	<i>0</i>	<i>0.718</i>	<i>0.337</i>	
22	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>?</i>	<i>0</i>	<i>0.704</i>	<i>0.446</i>	
5	0	0	1	0	0	0	3	0.684	0.617	CZE06,LVA98,POL07
30	<i>1</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>?</i>	<i>0</i>	<i>0.655</i>	<i>0.395</i>	
8	0	0	1	1	1	0	1	0.471	0.293	LVA02
11	0	1	0	1	0	?	0	0.454	0.390	
19	<i>1</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>?</i>	<i>0</i>	<i>0.429</i>	<i>0.259</i>	
31	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>?</i>	<i>0</i>	<i>0.394</i>	<i>0.090</i>	
12	0	1	0	1	1	0	1	0.312	0.032	LTU08
10	0	1	0	0	1	?	0	0.303	0.162	
4	0	0	0	1	1	0	2	0.263	0.033	LTU04,LTU12
15	0	1	1	1	0	0	2	0.249	0.074	POL01,SVK02
16	0	1	1	1	1	0	3	0.227	0.023	BGR09,SVK10,SVK12
14	<i>0</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0.211</i>	<i>0.054</i>	
3	0	0	0	1	0	0	1	0.199	0.178	EST03
27	<i>1</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>3</i>	<i>0.193</i>	<i>0.015</i>	<i>CZE10,HUN10,SVN11</i>
13	0	1	1	0	0	0	2	0.115	0.086	BGR01,LTU00
23	<i>1</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0.059</i>	<i>0.012</i>	<i>LVA11</i>

Notes: bold – rows above consistency cut-off (threshold); italics – rows examined because of contradictory simplifying assumptions.

Parsimonious solution (BREAKTHRU)

		Consistency	PRI	Coverage	Unique coverage	cases
1	~NOGRO*INCCORR* HGENP	0.841	0.810	0.351	0.085	BGR09 LTU04 LTU08 LTU12 LVA02 SVK10 SVK12
2	NOGRO*INCCORR* ~HGENP	0.872	0.851	0.211	0.057	CZE10, HUN10, LVA11, SVN11,
3	~NOGRO*INCUNEMP* HICORR	0.905	0.890	0.370	0.203	BGR01, BGR09, LTU00, POL01, SVK02, SVK10, SVK12
4	~HICORR*INCCORR* ~HGENP	0.839	0.815	0.222	0.009	CZE10, EST03, HUN10, SVN11
5	~NOGRO*~HICORR* INCCORR	0.914	0.897	0.219	0.000	EST03, LTU04, LTU08, LTU12

Consistency: 0.85, Coverage: 0.81

Conservative solution (~BREAKTHRU)

		Consistency	PRI	Coverage	Unique coverage	cases
1	~NOGRO*~HICORR* ~INCCORR*~HGENP	0.867	0.861	0.328	0.320	HUN98,HUN02, POL97,SVN08; EST99,HUN06, POL11
2	~NOGRO*~INCUNEMP* ~INCCORR*HGENP	0.861	0.848	0.259	0.250	EST07; BGR05, LVA06,SVK06
3	NOGRO*~INCUNEMP* ~HICORR* INCCORR*HGENP	0.996	0.996	0.050	0.048	EST11
4	NOGRO*INCUNEMP* HICORR*INCCORR *HGENP	0.802	0.754	0.050	0.047	LVA10

Consistency: 0.88, coverage: 0.68

Intermediate solution (~BREAKTHRU)

		Consistency	PRI	Coverage	Unique coverage	Cases
1	~HICORR* ~INCCORR*~HGENP	0.868	0.862	0.334	0.325	EST99, HUN98, HUN02, HUN06, POL97, POL11, SVN08
2	NOGRO*HICORR* INCCORR*HGENP	0.803	0.754	0.050	0.047	LVA10
3	~NOGRO*~INCUNEMP* ~INCCORR*HGENP	0.861	0.848	0.259	0.250	BGR05, EST07, LVA06, SVK06
4	NOGRO*~INCUNEMP* INCCORR*HGENP	0.974	0.972	0.051	0.047	EST11

Consistency: 0.88, Coverage: 0.68