

# Estate origins of democracy?

## Social persistence during communism in Russia

Final Paper for Social Stratification I

Stepan Polikanov

	Treaty Rank	Time since I Treaty	Politico-legal Separatism (Treisman)	GRP per capita	Gini	Net migration	Doctors per capita	Theatre visits per capita	Oil production	(Log) Population	(Log) Budget revenue	Share of Russians	N Loss-making businesses	Share employed with higher education	Urbanization	All ethnic protests	All ethnic protests per capita
Treaty Rank	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Time since I Treaty	0.97	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Politico-legal Separatism (Treisman)	-0.42	-0.65	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GRP per capita	0.03	0.04	0.34	1	.	.	.	.	.	.	.	.	.	.	.	.	.
Gini	0.01	0.11	0.26	0.44	1	.	.	.	.	.	.	.	.	.	.	.	.
Net migration	0.06	-0.03	0.03	-0.26	-0.05	1	.	.	.	.	.	.	.	.	.	.	.
Doctors per capita	-0.16	0.08	0.72	0.18	0.64	0.20	1	.	.	.	.	.	.	.	.	.	.
Theatre visits per capita	-0.24	0.18	0.15	0.06	0.41	-0.03	0.61	1	.	.	.	.	.	.	.	.	.
Oil production	-0.04	-0.49	-0.13	0.08	0.06	0.01	-0.03	-0.16	1	.	.	.	.	.	.	.	.
(Log) Population	-0.19	-0.08	0.62	0.09	0.28	0.50	0.72	0.23	0.02	1	.	.	.	.	.	.	.
(Log) Budget revenue	-0.26	-0.12	0.30	0.35	0.42	0.13	0.72	0.27	0.28	0.82	1	.	.	.	.	.	.
Share of Russians	0.34	0.59	0.14	0.07	0.04	0.17	0.16	-0.12	-0.29	0.29	0.30	1	.	.	.	.	.
N Loss-making businesses	0.09	-0.05	-0.23	0.02	-0.11	-0.57	-0.54	-0.31	0.03	-0.73	-0.57	-0.33	1	.	.	.	.
Share employed with higher education	-0.01	0.12	0.05	0.08	0.35	-0.09	0.52	0.52	-0.15	0.18	0.19	-0.09	-0.09	1	.	.	.
Urbanization	-0.14	0.22	-0.11	0.37	0.15	-0.13	0.44	0.31	0.21	0.39	0.67	0.45	-0.36	0.21	1	.	.
All ethnic protests	-0.08	0.06	0.78	0.17	0.70	0.03	0.90	0.74	0.14	0.47	0.50	-0.01	-0.38	0.65	0.31	1	.
All ethnic protests per capita	-0.15	-0.17	0.32	0.09	0.47	-0.30	0.48	0.55	0.19	0.03	0.21	-0.30	-0.04	0.56	0.25	0.72	1

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Log GDP per capita	0.207 (0.134)																
Border Region		0.023 (0.112)															
Distance to Moscow, 1000 km			-0.008 (0.020)														
Gini				0.267 (1.110)													
Net Migration: Positive					0.017 (0.126)												
Doctors per 1000						0.016** (0.006)											
Theatre visits per 1000							0.001*** (0.000)										
Oil extractor								0.134 (0.113)									
Population, 10000									0.001** (0.000)								
Log Population										0.230*** (0.052)							
Population Density, 1000/km^2											0.000*** (0.000)						
Total Budget Revenue, mil USD												0.000* (0.000)					
Log Total Budget Revenue													0.205*** (0.046)				
Russian Population Share														-0.002 (0.003)			
Share of loss-making enterprises															-0.014** (0.005)		
Employed with higher education																0.008 (0.010)	
Urbanization																	0.011*** (0.003)
Num.Obs.	79	82	82	77	82	81	79	82	81	81	81	82	82	73	81	79	82
R2	0.044	0.001	0.002	0.001	0.000	0.086	0.099	0.017	0.099	0.138	0.020	0.052	0.146	0.010	0.070	0.006	0.092
R2 Adj.	0.032	-0.012	-0.010	-0.013	-0.012	0.075	0.087	0.005	0.088	0.127	0.008	0.040	0.135	-0.004	0.059	-0.007	0.081
AIC	116.8	124.9	124.8	117.1	125.0	116.1	112.2	123.6	115.0	111.5	121.8	120.6	112.1	109.6	117.6	119.9	117.0
BIC	123.9	132.2	132.0	124.1	132.2	123.3	119.3	130.8	122.2	118.6	129.0	127.9	119.3	116.4	124.7	127.0	124.3
Log.Lik.	-55.389	-59.469	-59.408	-55.542	-59.482	-55.074	-53.082	-58.786	-54.516	-52.731	-57.917	-57.321	-53.040	-51.786	-55.780	-56.952	-55.524
F	2.398	0.041	0.161	0.058	0.017	7.300	14.781	1.396	8.383	19.576	17.870	5.971	20.013	0.591	8.036	0.548	14.357
RMSE	0.49	0.50	0.50	0.50	0.50	0.48	0.47	0.50	0.47	0.46	0.49	0.49	0.46	0.49	0.48	0.50	0.48
Std.Errors	HC1	HC1	HC1	HC1	HC1	HC1	HC1	HC1	HC1	HC1	HC1	HC1	HC1	HC1	HC1	HC1	HC1

+ p < 0.1, \* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001

