

Local Governance and Natural Recourses

Alexander Vlasov*

First version: May, 2024

This version: May, 2024

[Click here for the most recent draft](#)

Abstract

123

1 Empirical Methodology

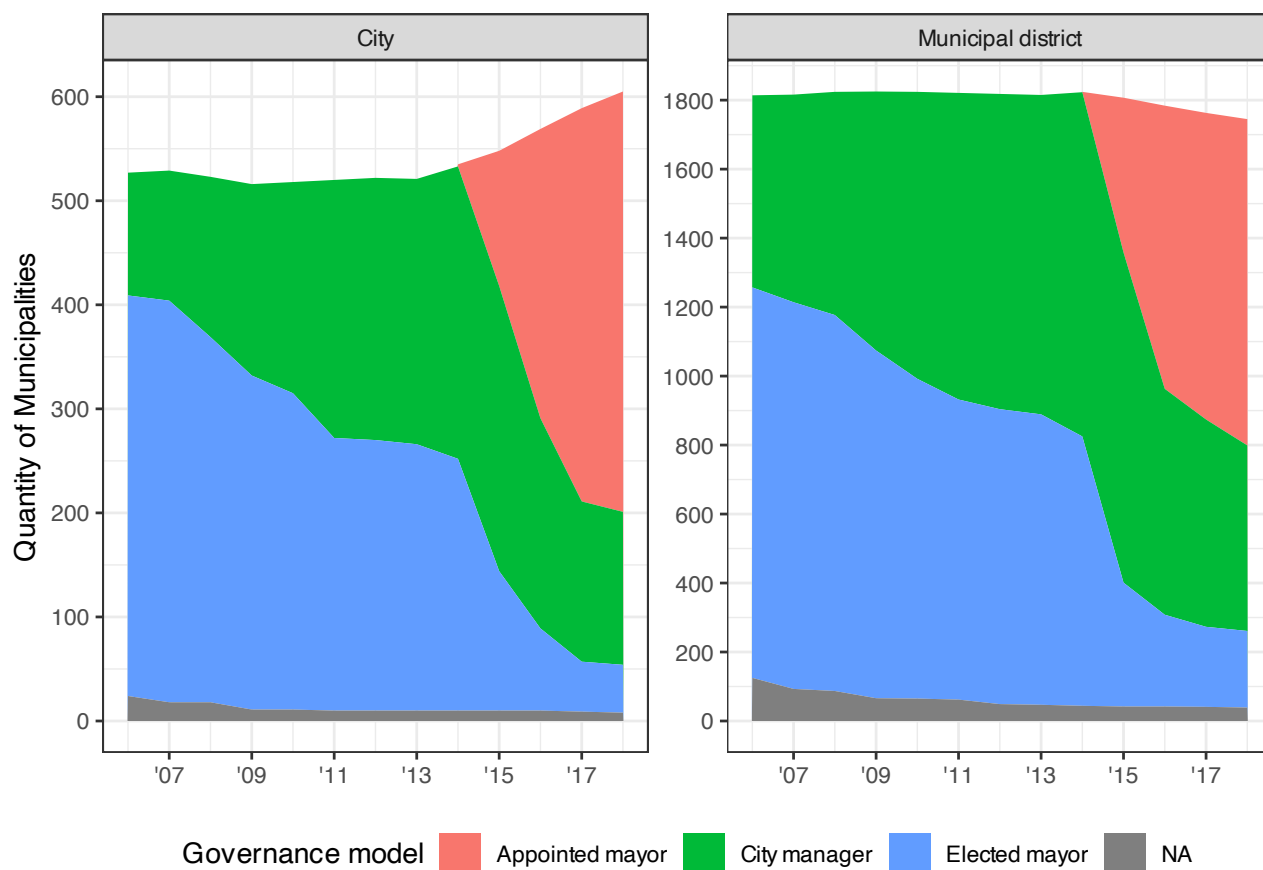
*New Economic School. Email: avlasov@nes.ru.

Table 1.1

log of	<i>Dependent variable: (%) Share of municipalities with</i>		
	Elected Mayors	City Managers	Appointed Mayors
	(1)	(2)	(3)
<i>Resource Extraction GRDP</i>	4.129** (2.030)	−0.827 (2.255)	−3.302 (2.077)
<i>Energy GRDP</i>	10.986** (4.736)	12.675** (5.264)	−23.661*** (4.847)
<i>Military GRDP</i>	16.178 (10.917)	−26.434** (12.132)	10.256 (11.172)
<i>Manufacturing GRDP</i>	−14.219*** (3.873)	6.358 (4.304)	7.861** (3.963)
<i>Healthcare GRDP</i>	22.616 (14.965)	−23.343 (16.631)	0.726 (15.316)
<i>Education GRDP</i>	−31.483** (13.381)	−16.380 (14.871)	47.863*** (13.695)
<i>Construction GRDP</i>	−4.229 (2.778)	10.379*** (3.087)	−6.150** (2.843)
<i>Agriculture GRDP</i>	−2.059** (1.005)	2.463** (1.117)	−0.404 (1.028)
<i>Retail GRDP</i>	1.778 (6.703)	−5.690 (7.449)	3.912 (6.860)
<i>Transport GRDP</i>	−19.925*** (5.801)	13.362** (6.447)	6.563 (5.937)
<i>Hospitality GRDP</i>	13.735*** (4.168)	−3.600 (4.632)	−10.135** (4.266)
<i>GRDP</i>	8.941 (9.540)	−4.574 (10.601)	−4.368 (9.763)
<i>population</i>	103.047** (41.190)	−33.273 (45.774)	−69.774* (42.156)
Time-Region Fixed Effects	Yes	Yes	Yes
<i>N</i>	976	976	976
<i>n</i>	77	77	77
<i>T</i>	4–13	4–13	4–13
F Statistic	5.703***	3.449***	4.690***

Notes: Double-clustering robust standard errors with HC3 influential observations correction are in parenthesis (Thompson, 2011; Cameron et al., 2011). *p < 0.1; **p < 0.05; ***p < 0.01. Panel is unbalanced, *T* = 4 for Crimea for which data is available from 2015 to 2018.

Figure 1.1. Municipalities by Governance Model



References

- Cameron, A. Colin, Jonah B. Gelbach, and Douglas L. Miller (2011) “Robust Inference With Multiway Clustering,” *Journal of Business & Economic Statistics*, 29 (2), 238–249, <http://www.jstor.org/stable/25800796>.
- Thompson, Samuel B. (2011) “Simple formulas for standard errors that cluster by both firm and time,” *Journal of Financial Economics*, 99 (1), 1–10, <https://doi.org/10.1016/j.jfineco.2010.08.016>.

Figure 1.2. Distributions of Regions by a Share of Municipalities with Elected Mayors by Year

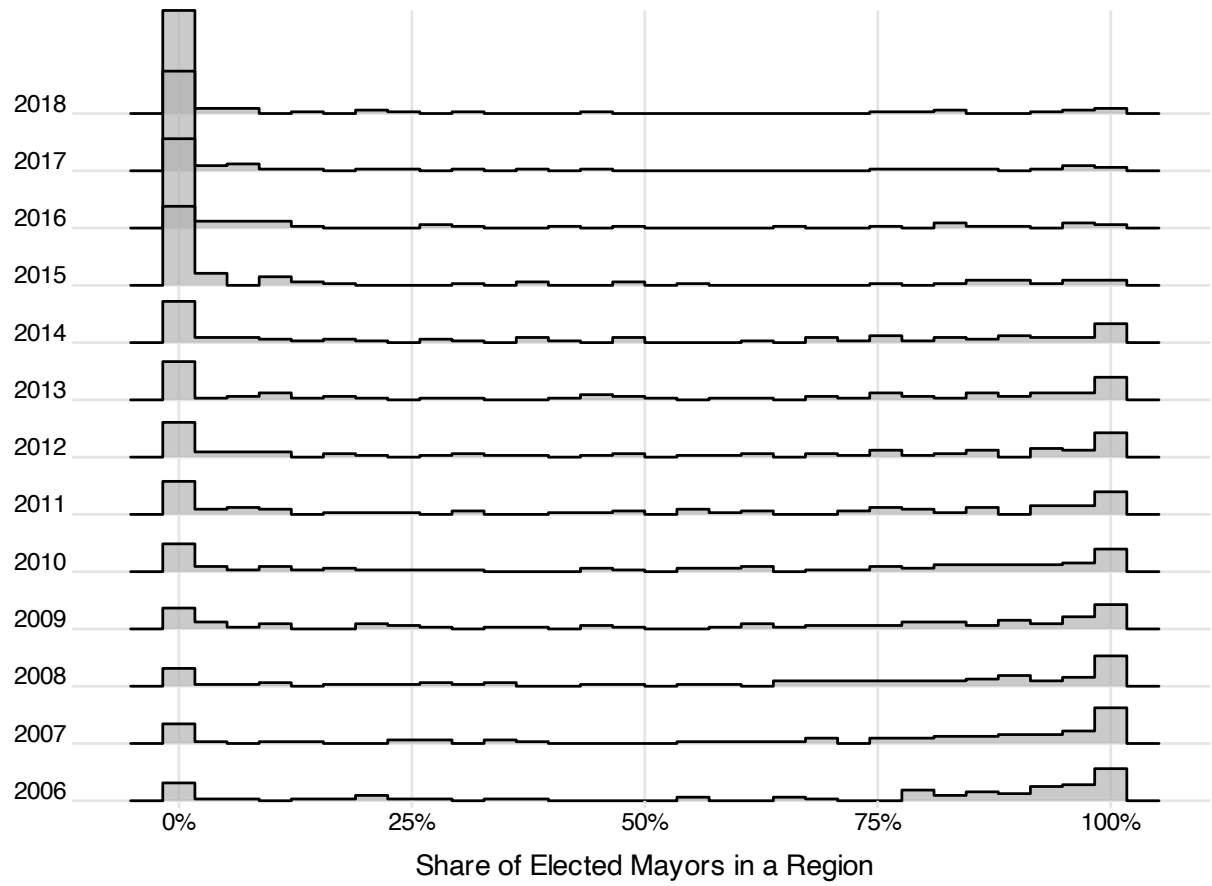


Figure 1.3. Distribution of Regions by a Share of Municipalities with Elected Mayors

