

Comparing Dynamic Pies: A Strategy for Modeling Compositional Variables in Time and Space

Online Appendix

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Table 1: Results for the Budget Composition

	<i>Education SocialServices</i> (1)	<i>PublicServices SocialServices</i> (2)	<i>LaborMarketPol. SocialServices</i> (3)	<i>Other SocialServices</i> (4)
Lagged Dependent Variable	-0.106*** (0.014)	-0.087*** (0.011)	-0.102*** (0.013)	-0.060*** (0.010)
Lagged Dep. Var x	0.014 (0.017)	0.012 (0.014)	0.017 (0.017)	0.012 (0.014)
Democratic Governor				
Δ Unemployment $_t$	0.026*** (0.008)	0.002 (0.005)	0.028*** (0.006)	-0.023*** (0.007)
Unemployment $_{t-1}$	0.012*** (0.004)	-0.006** (0.003)	0.010*** (0.004)	-0.017*** (0.004)
$\Delta W \cdot$ Unemployment $_t$	0.012*** (0.002)	-0.005*** (0.001)	0.007*** (0.002)	-0.017*** (0.002)
$W \cdot$ Unemployment $_{t-1}$	0.000 (0.001)	-0.000 (0.001)	-0.002*** (0.001)	-0.001 (0.001)
Δ Personal Income $_t$	0.022*** (0.008)	0.009* (0.005)	-0.024*** (0.006)	0.002 (0.007)
Personal Income $_{t-1}$	-0.003*** (0.001)	-0.003*** (0.001)	0.003*** (0.001)	0.000 (0.001)
Δ (Democratic Governor $_t x$ Unemployment $_t$)	-0.000 (0.007)	-0.003 (0.005)	0.003 (0.006)	0.007 (0.006)
Democratic Governor $_{t-1} x$ Unemployment $_{t-1}$)	0.003 (0.006)	0.001 (0.004)	0.003 (0.005)	0.006 (0.005)
Δ (Democratic Governor $_t x$ $W \cdot$ Unemployment $_t$)	0.001 (0.002)	0.000 (0.001)	0.003** (0.001)	0.001 (0.001)
(Democratic Governor $_{t-1} x$ $W \cdot$ Unemployment $_{t-1}$)	0.001 (0.001)	-0.000 (0.001)	0.001 (0.001)	-0.000 (0.001)
Δ (Democratic Governor $_t x$ Personal Income $_t$)	0.002 (0.002)	0.001 (0.001)	0.003* (0.002)	0.002 (0.002)
Democratic Governor $_{t-1} x$ Personal Income $_{t-1}$)	0.002 (0.002)	0.001 (0.001)	0.001 (0.001)	-0.001 (0.001)
Δ Democratic Governor $_t$	-0.096 (0.093)	-0.033 (0.059)	-0.202*** (0.070)	-0.126 (0.080)
Democratic Governor $_{t-1}$	-0.114 (0.071)	-0.014 (0.046)	-0.036 (0.059)	0.006 (0.062)
Constant	0.026 (0.050)	0.038 (0.031)	-0.187*** (0.043)	0.043 (0.041)
N	1536	1536	1536	1536
States	48	48	48	48
R-Sq.	0.17	0.11	0.26	0.24
χ^2	413.17***	187.17***	557.42***	502.03***

Note: Regression with standard errors in parentheses. Two-tail tests. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$