

```

-----
> -----
      name: <unnamed>
      log: C:\Users\Maxfield Evers\Desktop\Thesis\Data\FINAL_LOG.log
      log type: text
      opened on: 8 Apr 2025, 19:53:43

. deststring state_dist_code, replace
state_dist_code: all characters numeric; replaced as long

.
. rename *, lower

.
. //YEARLY TIME FE
. gen year = yofd(dofq(date))

.
. //Setting as pannel data
. xtset state_dist_code date, q

Panel variable: state_dist_code (unbalanced)
Time variable: date, 1997 Q1 to 2016 Q3, but with gaps
Delta: 1 quarter

.
.
. //STARTING TABLES
. //no lags
. reg d_sim_n25 unemp pres_party med_income index L.d_sim_n25 if party_code==0
> , robust

Linear regression                                Number of obs      =      8,126
                                                F(5, 8120)         =      136.49
                                                Prob > F           =      0.0000
                                                R-squared          =      0.1312
                                                Root MSE          =      .04027

-----
      d_sim_n25 |      Coefficient      Robust      t      P>|t|      [95% conf. interval]
-----+-----
      unemp     |      -.0002257      .0002685      -0.84      0.401      -.0007522      .0003007
      pres_party |      .0043602      .0009826       4.44      0.000      .0024341      .0062863
      med_income |      1.39e-07      3.48e-08       3.99      0.000      7.07e-08      2.07e-07
      index     |      .0001543      .0000441       3.50      0.000      .0000679      .0002408

      d_sim_n25 |
      L1.       |      .3113444      .0135162      23.03      0.000      .2848491      .3378396
      _cons     |      .2334709      .0077047      30.30      0.000      .2183676      .2485742
-----

.      outreg2 using "C:\Users\Maxfield Evers\Desktop\Thesis\Data\D_tabular.txt", r
> eplace label ctitle(I) title(Table XX: Democrats) tex(land)
> addtext(Words in Platform Vector, 25)
C:\Users\Maxfield Evers\Desktop\Thesis\Data\D_tabular.tex
dir : seeout

.

```

```
.      reg r_sim_n25 unemp pres_party med_income index L.r_sim_n25 if party_code==1
> , robust
```

```
Linear regression                                Number of obs    =      11,366
                                                F(5, 11360)       =      844.91
                                                Prob > F          =      0.0000
                                                R-squared        =      0.3436
                                                Root MSE        =      .05237
```

r_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	-.0015884	.0002438	-6.52	0.000	-.0020663	-.0011105
pres_party	.0244541	.00115	21.27	0.000	.0222	.0267082
med_income	-1.97e-07	4.90e-08	-4.03	0.000	-2.93e-07	-1.01e-07
index	.0004874	.0000469	10.40	0.000	.0003956	.0005793
r_sim_n25 _L1.	.4185727	.0124016	33.75	0.000	.3942634	.442882
_cons	.1696989	.0066796	25.41	0.000	.1566057	.1827921

```
.      outreg2 using "C:\Users\Maxfield Evers\Desktop\Thesis\Data\R_tabular.txt", r
> eplace label ctitle(I) title(Table XX: Republicans) tex(lan
> d) addtext(Words in Platform Vector, 25)
C:\Users\Maxfield Evers\Desktop\Thesis\Data\R_tabular.tex
dir : seeout
```

```
.
.
.
.      foreach n of num 50 100{
2.      reg d_sim_n`n' unemp pres_party med_income index L.d_sim_n`n' if
> party_code==0, robust
3.      outreg2 using "C:\Users\Maxfield Evers\Desktop\Thesis\Data\D_tabu
> lar.txt", append label ctitle(OLS) tex(pr) addtext(Words in
> Platform Vector, `n')
4.      reg r_sim_n`n' unemp pres_party med_income index L.r_sim_n`n' if par
> ty_code==1, robust
5.      outreg2 using "C:\Users\Maxfield Evers\Desktop\Thesis\Data\R_tabu
> lar.txt", append label ctitle(OLS) tex(pr) addtext(Words in
> Platform Vector, `n')
6.      }
```

```
Linear regression                                Number of obs    =       8,126
                                                F(5, 8120)       =     137.77
                                                Prob > F          =      0.0000
                                                R-squared        =      0.1300
                                                Root MSE        =      .04022
```

d_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0016302	.0002529	6.45	0.000	.0011344	.002126
pres_party	.0016967	.0009938	1.71	0.088	-.0002515	.0036449
med_income	2.04e-07	3.48e-08	5.87	0.000	1.36e-07	2.73e-07
index	-.0000869	.0000422	-2.06	0.040	-.0001697	-4.09e-06
d_sim_n50 _L1.	.3000469	.0136356	22.00	0.000	.2733177	.326776
_cons	.248085	.0074702	33.21	0.000	.2334414	.2627285

```
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```

Linear regression

Number of obs = 11,366  
F(5, 11360) = 146.87  
Prob > F = 0.0000  
R-squared = 0.1418  
Root MSE = .04937

r_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0007061	.0002198	3.21	0.001	.0002754	.0011369
pres_party	.0025678	.0009941	2.58	0.010	.0006192	.0045165
med_income	-3.85e-08	4.56e-08	-0.84	0.398	-1.28e-07	5.08e-08
index	-.0000853	.0000419	-2.04	0.042	-.0001674	-3.19e-06
r_sim_n50 L1.	.3353596	.0129028	25.99	0.000	.3100678	.3606514
_cons	.2368182	.0068293	34.68	0.000	.2234316	.2502048

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dir : seeout

Linear regression

Number of obs = 8,126  
F(5, 8120) = 169.87  
Prob > F = 0.0000  
R-squared = 0.1327  
Root MSE = .03899

d_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0008362	.0002315	3.61	0.000	.0003824	.00129
pres_party	-.0025925	.000962	-2.69	0.007	-.0044783	-.0007067
med_income	1.99e-07	3.37e-08	5.92	0.000	1.33e-07	2.65e-07
index	-.000389	.0000396	-9.82	0.000	-.0004667	-.0003114
d_sim_n100 L1.	.2658417	.0135239	19.66	0.000	.2393314	.292352
_cons	.2929139	.0076037	38.52	0.000	.2780087	.3078191

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Linear regression

Number of obs = 11,366  
F(5, 11360) = 197.67  
Prob > F = 0.0000  
R-squared = 0.1100  
Root MSE = .04402

r_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0010274	.0001946	5.28	0.000	.000646	.0014087
pres_party	-.0136762	.000883	-15.49	0.000	-.015407	-.0119453
med_income	-3.35e-08	4.17e-08	-0.80	0.421	-1.15e-07	4.82e-08
index	-.0002507	.0000383	-6.55	0.000	-.0003257	-.0001757
r_sim_n100 L1.	.2113952	.0125331	16.87	0.000	.1868281	.2359623
_cons	.3059559	.0068146	44.90	0.000	.2925981	.3193137

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```

. //REGRESSING ALL MODELS
.
. foreach n of num 25 50 100{
2.
.         //OLS
.         //no lags
.         reg d_sim_n`n' unemp pres_party med_income index L.d_sim_n`n' if party_code=
> =0, robust
3.
.         reg r_sim_n`n' unemp pres_party med_income index L.r_sim_n`n' if party_code=
> =1, robust
4.
.         //unemployment lag
.         reg d_sim_n`n' L.unemp pres_party med_income index L.d_sim_n`n' if party_cod
> e==0, robust
5.
.         reg r_sim_n`n' L.unemp pres_party med_income index L.r_sim_n`n' if party_cod
> e==1, robust
6.
.         //sentiment lag
.         reg d_sim_n`n' unemp pres_party med_income L.index L.d_sim_n`n' if party_cod
> e==0, robust
7.
.         reg r_sim_n`n' unemp pres_party med_income L.index L.r_sim_n`n' if party_cod
> e==1, robust
8.
.         //unemployment and sentiment lag
.         reg d_sim_n`n' L.unemp pres_party med_income L.index L.d_sim_n`n' if party_c
> ode==0, robust
9.
.
.         reg r_sim_n`n' L.unemp pres_party med_income L.index L.r_sim_n`n' if party_c
> ode==1, robust
10.
.
.         //FE
.         //no lags
.         xtreg d_sim_n`n' unemp pres_party med_income index L.d_sim_n`n' if party_cod
> e==0, fe robust
11.
.         xtreg r_sim_n`n' unemp pres_party med_income index L.r_sim_n`n' if party_cod
> e==1, fe robust
12.
.
.         //unemployment lag
.         xtreg d_sim_n`n' L.unemp pres_party med_income index L.d_sim_n`n' if party_c
> ode==0, fe robust
13.
.
.         xtreg r_sim_n`n' L.unemp pres_party med_income index L.r_sim_n`n' if party_c
> ode==1, fe robust
14.
.
.         //sentiment lag
.         xtreg d_sim_n`n' unemp pres_party med_income L.index L.d_sim_n`n' if party_c
> ode==0, fe robust
15.         outreg2 using "C:\Users\Maxfield Evers\Desktop\Thesis\Data\D_tabular.txt"
> , append label ctitle(FE) tex(pr) addtext(District Fixed Ef
> fects,`n'Yes)
16.

```

Linear regression	Number of obs	=	8,126
	F(5, 8120)	=	136.49
	Prob > F	=	0.0000
	R-squared	=	0.1312
	Root MSE	=	.04027

Linear regression	Number of obs	=	11,366
	F(5, 11360)	=	844.91
	Prob > F	=	0.0000
	R-squared	=	0.3436
	Root MSE	=	.05237

Linear regression	Number of obs	=	8,126
	F(5, 8120)	=	135.97
	Prob > F	=	0.0000
	R-squared	=	0.1311
	Root MSE	=	.04027

d_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.0000403	.0002504	0.16	0.872	-.0004505	.0005312
pres_party	.004772	.0009912	4.81	0.000	.002829	.006715
med_income	1.53e-07	3.49e-08	4.39	0.000	8.50e-08	2.22e-07
index	.0001802	.0000422	4.27	0.000	.0000974	.000263
d_sim_n25 L1.	.3116031	.0135127	23.06	0.000	.2851147	.3380915
_cons	.2286193	.0074368	30.74	0.000	.2140413	.2431972

Linear regression

Number of obs	=	11,366
F(5, 11360)	=	831.61
Prob > F	=	0.0000
R-squared	=	0.3414
Root MSE	=	.05246

r_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	-.0007843	.0002296	-3.42	0.001	-.0012343	-.0003342
pres_party	.0252876	.0011759	21.50	0.000	.0229826	.0275926
med_income	-1.57e-07	4.88e-08	-3.22	0.001	-2.53e-07	-6.13e-08
index	.0005685	.000047	12.09	0.000	.0004763	.0006607
r_sim_n25 L1.	.4213423	.012404	33.97	0.000	.3970282	.4456563
_cons	.1547137	.0064601	23.95	0.000	.1420507	.1673767

Linear regression

Number of obs	=	8,126
F(5, 8120)	=	136.67
Prob > F	=	0.0000
R-squared	=	0.1311
Root MSE	=	.04027

d_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	-.0001796	.0002777	-0.65	0.518	-.0007241	.0003648
pres_party	.0041272	.0009627	4.29	0.000	.0022401	.0060142
med_income	1.41e-07	3.50e-08	4.05	0.000	7.30e-08	2.10e-07
index L1.	.0001558	.0000456	3.42	0.001	.0000664	.0002452
d_sim_n25 L1.	.3114436	.0135272	23.02	0.000	.284927	.3379603
_cons	.2329711	.0078281	29.76	0.000	.2176259	.2483163

Linear regression

Number of obs	=	11,366
F(5, 11360)	=	859.59
Prob > F	=	0.0000
R-squared	=	0.3452
Root MSE	=	.05231

r_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	-.001353	.000242	-5.59	0.000	-.0018273	-.0008787
pres_party	.0240289	.0011292	21.28	0.000	.0218155	.0262424
med_income	-1.86e-07	4.90e-08	-3.80	0.000	-2.82e-07	-9.02e-08
index L1.	.0005486	.0000477	11.51	0.000	.0004552	.000642
r_sim_n25 L1.	.417784	.0123751	33.76	0.000	.3935266	.4420414
_cons	.1628293	.0067297	24.20	0.000	.149638	.1760206

Linear regression

Number of obs	=	8,126
F(5, 8120)	=	136.31
Prob > F	=	0.0000
R-squared	=	0.1311
Root MSE	=	.04027

d_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.0000787	.0002528	0.31	0.756	-.000417	.0005743
pres_party	.0044848	.0009694	4.63	0.000	.0025845	.0063851
med_income	1.56e-07	3.49e-08	4.45	0.000	8.71e-08	2.24e-07
index L1.	.0001821	.0000427	4.27	0.000	.0000985	.0002658
d_sim_n25 L1.	.3116595	.0135242	23.04	0.000	.2851485	.3381704
_cons	.2281782	.0074277	30.72	0.000	.213618	.2427384

Linear regression

Number of obs	=	11,366
F(5, 11360)	=	849.22
Prob > F	=	0.0000
R-squared	=	0.3435
Root MSE	=	.05237

r_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	-.0005696	.0002264	-2.52	0.012	-.0010134	-.0001259
pres_party	.0247589	.0011512	21.51	0.000	.0225023	.0270155
med_income	-1.47e-07	4.88e-08	-3.01	0.003	-2.43e-07	-5.12e-08
index L1.	.0006321	.0000473	13.36	0.000	.0005394	.0007248
r_sim_n25 L1.	.4202666	.0123732	33.97	0.000	.396013	.4445202
_cons	.1479126	.0064362	22.98	0.000	.1352966	.1605286

Fixed-effects (within) regression

Number of obs	=	8,126
Group variable: state_dist~e	=	216

Obs per group:

```
min = 1
avg = 37.6
max = 78
```

F(5, 215)	=	52.85
Prob > F	=	0.0000

d_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	-.0005876	.0003361	-1.75	0.082	-.00125	.0000748
pres_party	.0051424	.0009008	5.71	0.000	.003367	.0069179
med_income	9.50e-09	8.11e-08	0.12	0.907	-1.50e-07	1.69e-07
index	.0001598	.0000474	3.37	0.001	.0000664	.0002532
d_sim_n25 L1.	.1326183	.0287175	4.62	0.000	.0760143	.1892222
_cons	.3071853	.0131125	23.43	0.000	.2813397	.3330308
sigma_u	.02047672					
sigma_e	.03719822					
rho	.23255418	(fraction of variance due to u_i)				

```
Number of obs      =    11,366
Number of groups   =     251
```

Obs per group:

```
min = 1
avg = 45.3
max = 78
```

```
F(5, 250)      = 1073.29
Prob > F       = 0.0000
```

r_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	-.0041938	.0007198	-5.83	0.000	-.0056115	-.0027761
pres_party	.0259918	.0014296	18.18	0.000	.0231761	.0288074
med_income	-1.06e-07	9.79e-08	-1.08	0.280	-2.99e-07	8.69e-08
index	.000287	.000066	4.35	0.000	.0001571	.000417
r_sim_n25 L1.	.353094	.0299795	11.78	0.000	.2940494	.4121387
_cons	.2202442	.0166583	13.22	0.000	.1874357	.2530526
sigma_u	.02214151					
sigma_e	.05037601					
rho	.16190499	(fraction of variance due to u_i)				

```
Number of obs      =      8,126
Number of groups   =       216
```

Obs per group:

```
min = 1
avg = 37.6
max = 78
```

```
F(5, 215)      =      50.26
Prob > F       =      0.0000
```



(Std. err. adjusted for 216 clusters in state\_dist\_code)

d_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	-.0000942	.0003356	-0.28	0.779	-.0007557	.0005673
pres_party	.0059	.0009711	6.08	0.000	.003986	.0078141
med_income	1.11e-08	8.07e-08	0.14	0.891	-1.48e-07	1.70e-07
index	.0002098	.0000447	4.69	0.000	.0001217	.0002978
d_sim_n25						
L1.	.1327567	.0287582	4.62	0.000	.0760725	.189441
_cons	.2993928	.0128062	23.38	0.000	.2741509	.3246347
sigma_u	.02048373					
sigma_e	.03720671					
rho	.23259497	(fraction of variance due to u_i)				

Fixed-effects (within) regression  
Group variable: state\_dist~e

Number of obs = 11,366  
Number of groups = 251

R-squared:

Obs per group:

Within = 0.3194  
Between = 0.3829  
Overall = 0.3357

min = 1  
avg = 45.3  
max = 78

corr(u\_i, Xb) = 0.0810

F(5, 250) = 1138.47  
Prob > F = 0.0000

(Std. err. adjusted for 251 clusters in state\_dist\_code)

r_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	-.0021311	.0004967	-4.29	0.000	-.0031093	-.0011529
pres_party	.0282515	.0018468	15.30	0.000	.0246143	.0318887
med_income	-1.03e-07	9.77e-08	-1.06	0.292	-2.96e-07	8.93e-08
index	.0004959	.0000643	7.72	0.000	.0003693	.0006225
r_sim_n25						
L1.	.3600219	.029523	12.19	0.000	.3018763	.4181674
_cons	.1865007	.0117675	15.85	0.000	.1633245	.2096769
sigma_u	.02146324					
sigma_e	.05060734					
rho	.1524505	(fraction of variance due to u_i)				

Fixed-effects (within) regression  
Group variable: state\_dist~e

Number of obs = 8,126  
Number of groups = 216

R-squared:

Obs per group:

Within = 0.0338  
Between = 0.5946  
Overall = 0.1154

min = 1  
avg = 37.6  
max = 78

corr(u\_i, Xb) = 0.3636

F(5, 215) = 54.39  
Prob > F = 0.0000

(Std. err. adjusted for 216 clusters in state\_dist\_code)

d_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	-.0005267	.0003606	-1.46	0.146	-.0012375	.0001841
pres_party	.0049169	.0008748	5.62	0.000	.0031927	.0066412
med_income	1.06e-08	8.10e-08	0.13	0.896	-1.49e-07	1.70e-07
index						
L1.	.0001594	.0000481	3.31	0.001	.0000646	.0002543
d_sim_n25						
L1.	.1328011	.028718	4.62	0.000	.0761962	.189406
_cons	.3067868	.0134415	22.82	0.000	.2802929	.3332807
sigma_u	.02048263					
sigma_e	.03720185					
rho	.23262235	(fraction of variance due to u_i)				

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dir : seeout

Fixed-effects (within) regression                      Number of obs        =        11,366  
Group variable: state\_dist~e                      Number of groups     =        251

R-squared:                      Obs per group:  
    Within    = 0.3262                      min        =        1  
    Between   = 0.3483                      avg        =       45.3  
    Overall    = 0.3338                      max        =       78

corr(u\_i, Xb) = 0.0272                      F(5, 250)                =       1112.53  
   Prob > F                =       0.0000

(Std. err. adjusted for 251 clusters in state\_dist\_code)

r_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	-.0038122	.0007655	-4.98	0.000	-.0053199	-.0023044
pres_party	.0260107	.0013933	18.67	0.000	.0232666	.0287549
med_income	-1.12e-07	9.82e-08	-1.14	0.257	-3.05e-07	8.17e-08
index						
L1.	.0003467	.0000737	4.71	0.000	.0002016	.0004918
r_sim_n25						
L1.	.3534081	.0299942	11.78	0.000	.2943346	.4124815
_cons	.2128868	.0175505	12.13	0.000	.1783212	.2474525
sigma_u	.02191478					
sigma_e	.05035377					
rho	.15924926	(fraction of variance due to u_i)				

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dir : seeout

Fixed-effects (within) regression                      Number of obs        =        8,126  
Group variable: state\_dist~e                      Number of groups     =       216

R-squared:                      Obs per group:  
    Within    = 0.0335                      min        =        1  
    Between   = 0.6185                      avg        =       37.6  
    Overall    = 0.1149                      max        =       78

corr(u\_i, Xb) = 0.3669                      F(5, 215)                =       52.97  
   Prob > F                =       0.0000

(Std. err. adjusted for 216 clusters in state\_dist\_code)

d_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	-.0000234	.0003555	-0.07	0.948	-.0007241	.0006772
pres_party	.0056028	.0009463	5.92	0.000	.0037375	.0074681
med_income	1.22e-08	8.06e-08	0.15	0.880	-1.47e-07	1.71e-07
index						
L1.	.0002133	.000045	4.74	0.000	.0001245	.0003021
d_sim_n25						
L1.	.1328723	.0287533	4.62	0.000	.0761977	.1895468
_cons	.2986397	.0130394	22.90	0.000	.2729382	.3243411
sigma_u	.02049475					
sigma_e	.03720791					
rho	.23277539	(fraction of variance due to u_i)				

Fixed-effects (within) regression  
Group variable: state\_dist~e

Number of obs = 11,366  
Number of groups = 251

R-squared:

Within = 0.3212  
Between = 0.3992  
Overall = 0.3390

Obs per group:

min = 1  
avg = 45.3  
max = 78

corr(u\_i, Xb) = 0.0925

F(5, 250) = 1166.23  
Prob > F = 0.0000

(Std. err. adjusted for 251 clusters in state\_dist\_code)

r_sim_n25	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	-.0016426	.0005218	-3.15	0.002	-.0026702	-.000615
pres_party	.0281644	.0018108	15.55	0.000	.024598	.0317308
med_income	-1.12e-07	9.82e-08	-1.15	0.253	-3.06e-07	8.09e-08
index						
L1.	.0005798	.0000692	8.38	0.000	.0004436	.000716
r_sim_n25						
L1.	.3600235	.0294862	12.21	0.000	.3019504	.4180966
_cons	.1766603	.0120493	14.66	0.000	.1529293	.2003913
sigma_u	.02125001					
sigma_e	.05054116					
rho	.15022198	(fraction of variance due to u_i)				

Linear regression

Number of obs = 8,126  
F(5, 8120) = 137.77  
Prob > F = 0.0000  
R-squared = 0.1300  
Root MSE = .04022

d_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0016302	.0002529	6.45	0.000	.0011344	.002126
pres_party	.0016967	.0009938	1.71	0.088	-.0002515	.0036449
med_income	2.04e-07	3.48e-08	5.87	0.000	1.36e-07	2.73e-07
index	-.0000869	.0000422	-2.06	0.040	-.0001697	-4.09e-06
d_sim_n50 L1.	.3000469	.0136356	22.00	0.000	.2733177	.326776
_cons	.248085	.0074702	33.21	0.000	.2334414	.2627285

Linear regression

Number of obs	=	11,366
F(5, 11360)	=	146.87
Prob > F	=	0.0000
R-squared	=	0.1418
Root MSE	=	.04937

r_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0007061	.0002198	3.21	0.001	.0002754	.0011369
pres_party	.0025678	.0009941	2.58	0.010	.0006192	.0045165
med_income	-3.85e-08	4.56e-08	-0.84	0.398	-1.28e-07	5.08e-08
index	-.0000853	.0000419	-2.04	0.042	-.0001674	-3.19e-06
r_sim_n50 L1.	.3353596	.0129028	25.99	0.000	.3100678	.3606514
_cons	.2368182	.0068293	34.68	0.000	.2234316	.2502048

Linear regression

Number of obs	=	8,126
F(5, 8120)	=	137.30
Prob > F	=	0.0000
R-squared	=	0.1297
Root MSE	=	.04022

d_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.00153	.0002343	6.53	0.000	.0010707	.0019894
pres_party	.0017544	.0010002	1.75	0.079	-.0002062	.0037151
med_income	2.00e-07	3.50e-08	5.71	0.000	1.31e-07	2.68e-07
index	-.0001075	.0000404	-2.66	0.008	-.0001866	-.0000284
d_sim_n50 L1.	.2999929	.0135974	22.06	0.000	.2733384	.3266474
_cons	.2506179	.0073003	34.33	0.000	.2363074	.2649284

Linear regression

Number of obs	=	11,366
F(5, 11360)	=	161.04
Prob > F	=	0.0000
R-squared	=	0.1444
Root MSE	=	.0493

r_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	.0013703	.0002185	6.27	0.000	.000942	.0017985
pres_party	.0036473	.0010078	3.62	0.000	.0016717	.0056228
med_income	-2.35e-09	4.55e-08	-0.05	0.959	-9.15e-08	8.68e-08
index	-.0000248	.0000415	-0.60	0.549	-.0001061	.0000565
r_sim_n50						
L1.	.3340975	.0128422	26.02	0.000	.3089245	.3592705
_cons	.2257951	.0065985	34.22	0.000	.2128609	.2387294

Linear regression

Number of obs	=	8,126
F(5, 8120)	=	140.10
Prob > F	=	0.0000
R-squared	=	0.1306
Root MSE	=	.0402

d_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0014288	.0002604	5.49	0.000	.0009184	.0019391
pres_party	.0015992	.0009696	1.65	0.099	-.0003014	.0034998
med_income	1.94e-07	3.49e-08	5.55	0.000	1.25e-07	2.62e-07
index						
L1.	-.0001376	.0000437	-3.15	0.002	-.0002232	-.000052
d_sim_n50						
L1.	.299057	.0136187	21.96	0.000	.2723608	.3257532
_cons	.2546694	.0077145	33.01	0.000	.2395469	.2697919

Linear regression

Number of obs	=	11,366
F(5, 11360)	=	152.12
Prob > F	=	0.0000
R-squared	=	0.1428
Root MSE	=	.04934

r_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0004509	.0002197	2.05	0.040	.0000201	.0008816
pres_party	.0023995	.0009782	2.45	0.014	.000482	.0043171
med_income	-5.08e-08	4.57e-08	-1.11	0.266	-1.40e-07	3.88e-08
index						
L1.	-.0001753	.0000422	-4.16	0.000	-.0002579	-.0000926
r_sim_n50						
L1.	.3341922	.0128921	25.92	0.000	.3089215	.3594629
_cons	.2472425	.0070942	34.85	0.000	.2333366	.2611484

Linear regression

Number of obs	=	8,126
F(5, 8120)	=	140.04
Prob > F	=	0.0000
R-squared	=	0.1306
Root MSE	=	.0402

d_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.001349	.0002359	5.72	0.000	.0008867	.0018114
pres_party med_income	.0016974 1.90e-07	.0009751 3.49e-08	1.74 5.43	0.082 0.000	-.000214 1.21e-07	.0036088 2.58e-07
index L1.	-.0001587	.0000408	-3.90	0.000	-.0002386	-.0000789
d_sim_n50 L1.	.2987338	.0135825	21.99	0.000	.2721086	.325359
_cons	.2571694	.0074193	34.66	0.000	.2426257	.2717131

Linear regression

Number of obs = 11,366  
F(5, 11360) = 162.89  
Prob > F = 0.0000  
R-squared = 0.1449  
Root MSE = .04928

r_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.0011596	.0002147	5.40	0.000	.0007387	.0015804
pres_party med_income	.0034078 -1.28e-08	.0009902 4.56e-08	3.44 -0.28	0.001 0.779	.001467 -1.02e-07	.0053487 7.65e-08
index L1.	-.0001078	.0000412	-2.62	0.009	-.0001885	-.000027
r_sim_n50 L1.	.3334004	.0128386	25.97	0.000	.3082345	.3585663
_cons	.2351225	.0067829	34.66	0.000	.2218269	.2484181

Fixed-effects (within) regression  
Group variable: state\_dist~e

Number of obs = 8,126  
Number of groups = 216

R-squared:

Within = 0.0572  
Between = 0.2561  
Overall = 0.0781

Obs per group:

min = 1  
avg = 37.6  
max = 78

corr(u\_i, Xb) = 0.0439

F(5, 215) = 56.29  
Prob > F = 0.0000

(Std. err. adjusted for 216 clusters in state\_dist\_code)

d_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp pres_party med_income index	.003727 .0042646 -3.97e-08 .0000926	.0003396 .0009489 8.88e-08 .0000498	10.97 4.49 -0.45 1.86	0.000 0.000 0.655 0.064	.0030575 .0023942 -2.15e-07 -5.52e-06	.0043964 .0061349 1.35e-07 .0001908
d_sim_n50 L1.	.1383346	.0289328	4.78	0.000	.0813064	.1953629
_cons	.2908824	.0119291	24.38	0.000	.2673694	.3143955
sigma_u	.0205883					
sigma_e	.03747051					

```

rho | .23189123 (fraction of variance due to u_i)
-----
Fixed-effects (within) regression      Number of obs   =    11,366
Group variable: state_dist~e          Number of groups =     251

R-squared:                             Obs per group:
    Within = 0.0886                      min =          1
    Between = 0.4331                     avg =         45.3
    Overall = 0.1372                     max =          78

corr(u_i, Xb) = 0.2070                  F(5, 250)       =    29.97
                                         Prob > F        =    0.0000

```

(Std. err. adjusted for 251 clusters in state\_dist\_code)

r_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.001782	.0004134	4.31	0.000	.0009679	.0025962
pres_party	.0052494	.0009161	5.73	0.000	.0034452	.0070536
med_income	-1.07e-08	9.13e-08	-0.12	0.907	-1.91e-07	1.69e-07
index	.0000263	.0000522	0.50	0.614	-.0000765	.0001291
r_sim_n50						
L1.	.2579256	.030318	8.51	0.000	.1982143	.3176369
_cons	.2451036	.0145167	16.88	0.000	.216513	.2736943
sigma_u	.01999692					
sigma_e	.04701487					
rho	.15319336	(fraction of variance due to u_i)				

```

Fixed-effects (within) regression      Number of obs   =     8,126
Group variable: state_dist~e          Number of groups =     216

R-squared:                             Obs per group:
    Within = 0.0562                      min =          1
    Between = 0.2557                     avg =         37.6
    Overall = 0.0794                     max =          78

corr(u_i, Xb) = 0.0577                  F(5, 215)       =    46.10
                                         Prob > F        =    0.0000

```

(Std. err. adjusted for 216 clusters in state\_dist\_code)

d_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	.0034471	.000362	9.52	0.000	.0027335	.0041607
pres_party	.0042816	.001039	4.12	0.000	.0022336	.0063297
med_income	-5.12e-08	8.96e-08	-0.57	0.569	-2.28e-07	1.25e-07
index	.0000409	.0000466	0.88	0.381	-.000051	.0001327
d_sim_n50						
L1.	.1393076	.0286744	4.86	0.000	.0827887	.1958265
_cons	.2970678	.0118668	25.03	0.000	.2736776	.320458
sigma_u	.02062036					
sigma_e	.03748998					
rho	.23226073	(fraction of variance due to u_i)				

```

Fixed-effects (within) regression      Number of obs   =    11,366
Group variable: state_dist~e          Number of groups =     251

```

R-squared:	Obs per group:
Within = 0.0957	min = 1
Between = 0.3339	avg = 45.3
Overall = 0.1306	max = 78

corr(u_i, Xb) = 0.0994	F(5, 250)	=	60.50
	Prob > F	=	0.0000

(Std. err. adjusted for 251 clusters in state\_dist\_code)

r_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	.003361	.0005321	6.32	0.000	.0023131	.0044089
pres_party	.0079105	.00127	6.23	0.000	.0054092	.0104117
med_income	-6.11e-09	9.04e-08	-0.07	0.946	-1.84e-07	1.72e-07
index	.0001678	.000062	2.71	0.007	.0000458	.0002899
r_sim_n50						
L1.	.2537621	.0301589	8.41	0.000	.1943641	.31316
_cons	.2233059	.010843	20.59	0.000	.2019505	.2446612
sigma_u	.02043566					
sigma_e	.04683127					
rho	.15995812	(fraction of variance due to u_i)				

```
Fixed-effects (within) regression      Number of obs   =      8,126
Group variable: state_dist~e         Number of groups =       216
```

R-squared:	Obs per group:
Within = 0.0568	min = 1
Between = 0.2763	avg = 37.6
Overall = 0.0816	max = 78

corr(u i, Xb) = 0.0691	F(5, 215)	=	54.85
	Prob > F	=	0.0000

(Std. err. adjusted for 216 clusters in state\_dist\_code)

d_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0034662	.0003453	10.04	0.000	.0027856	.0041468
pres_party	.003728	.0009132	4.08	0.000	.0019279	.005528
med_income	-3.95e-08	8.88e-08	-0.45	0.657	-2.15e-07	1.35e-07
index L1.	.000034	.0000505	0.67	0.502	-.0000656	.0001336
d_sim_n50 L1.	.1391293	.028888	4.82	0.000	.0821894	.1960692
_cons	.2974626	.0126141	23.58	0.000	.2725996	.3223257
sigma_u	.02046487					
sigma_e	.03747925					
rho	.22967352	(fraction of variance due to u_i)				

```
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dir : seeout
```

```
Fixed-effects (within) regression      Number of obs   =    11,366
Group variable: state dist~e         Number of groups =     251
```



corr(u i, Xb) = 0.2341	F(5, 250)	=	38.45
	Prob > F	=	0.0000

r_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0010657	.0004234	2.52	0.012	.0002318	.0018995
pres_party	.0043068	.0008784	4.90	0.000	.0025767	.0060369
med_income	-8.58e-09	9.11e-08	-0.09	0.925	-1.88e-07	1.71e-07
index						
L1.	-.0001216	.0000528	-2.30	0.022	-.0002257	-.0000175
r_sim_n50						
L1.	.2578138	.0303581	8.49	0.000	.1980235	.317604
_cons	.2625741	.0156256	16.80	0.000	.2317994	.2933487
sigma_u	.01988078					
sigma_e	.04700321					
rho	.15175201	(fraction of variance due to u_i)				

```
Fixed-effects (within) regression      Number of obs   =      8,126
Group variable: state_dist~e         Number of groups =       216
```

corr(u i, Xb) = 0.0891	F(5, 215)	=	46.40
	Prob > F	=	0.0000

	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.0031152	.0003579	8.70	0.000	.0024097	.0038207
pres_party	.0036985	.0009958	3.71	0.000	.0017357	.0056613
med_income	-5.03e-08	8.96e-08	-0.56	0.575	-2.27e-07	1.26e-07
index L1.	-.0000334	.0000455	-0.73	0.464	-.0001232	.0000563
d_sim_n50 L1.	.1396915	.0286289	4.88	0.000	.0832623	.1961208
_cons	.3056037	.0124201	24.61	0.000	.2811229	.3300845
sigma_u	.02045642					
sigma_e	.03749076					
rho	.22941892	(fraction of variance due to u_i)				

```
Fixed-effects (within) regression      Number of obs   =    11,366
Group variable: state dist~e         Number of groups =     251
```

R-squared:  
 Within = 0.0946  
 Between = 0.3689  
 Overall = 0.1345

Obs per group:  
 min = 1  
 avg = 45.3  
 max = 78

corr(u\_i, Xb) = 0.1379  
 F(5, 250) = 63.78  
 Prob > F = 0.0000

(Std. err. adjusted for 251 clusters in state\_dist\_code)

r_sim_n50	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	.0028429	.0005106	5.57	0.000	.0018372	.0038486
pres_party	.0069204	.0012019	5.76	0.000	.0045532	.0092875
med_income	-6.77e-09	9.06e-08	-0.07	0.941	-1.85e-07	1.72e-07
index						
L1.	.0000468	.0000579	0.81	0.420	-.0000673	.0001609
r_sim_n50						
L1.	.2549084	.0301638	8.45	0.000	.1955008	.314316
_cons	.2369817	.0112024	21.15	0.000	.2149186	.2590449
sigma_u	.02022547					
sigma_e	.04685751					
rho	.15705076	(fraction of variance due to u_i)				

Linear regression

Number of obs = 8,126  
 F(5, 8120) = 169.87  
 Prob > F = 0.0000  
 R-squared = 0.1327  
 Root MSE = .03899

d_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0008362	.0002315	3.61	0.000	.0003824	.00129
pres_party	-.0025925	.000962	-2.69	0.007	-.0044783	-.0007067
med_income	1.99e-07	3.37e-08	5.92	0.000	1.33e-07	2.65e-07
index	-.000389	.0000396	-9.82	0.000	-.0004667	-.0003114
d_sim_n100						
L1.	.2658417	.0135239	19.66	0.000	.2393314	.292352
_cons	.2929139	.0076037	38.52	0.000	.2780087	.3078191

Linear regression

Number of obs = 11,366  
 F(5, 11360) = 197.67  
 Prob > F = 0.0000  
 R-squared = 0.1100  
 Root MSE = .04402

r_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0010274	.0001946	5.28	0.000	.000646	.0014087
pres_party	-.0136762	.000883	-15.49	0.000	-.015407	-.0119453
med_income	-3.35e-08	4.17e-08	-0.80	0.421	-1.15e-07	4.82e-08
index	-.0002507	.0000383	-6.55	0.000	-.0003257	-.0001757
r_sim_n100						
L1.	.2113952	.0125331	16.87	0.000	.1868281	.2359623
_cons	.3059559	.0068146	44.90	0.000	.2925981	.3193137

Linear regression

Number of obs = 8,126  
 F(5, 8120) = 170.04  
 Prob > F = 0.0000  
 R-squared = 0.1329  
 Root MSE = .03899

d_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.0008473	.0002192	3.87	0.000	.0004176	.0012769
pres_party	-.0024602	.0009718	-2.53	0.011	-.0043651	-.0005552
med_income	2.00e-07	3.39e-08	5.92	0.000	1.34e-07	2.67e-07
index	-.0003941	.0000385	-10.24	0.000	-.0004696	-.0003187
d_sim_n100 L1.	.2654833	.0134905	19.68	0.000	.2390385	.2919281
_cons	.2932567	.007529	38.95	0.000	.2784978	.3080155

Linear regression

Number of obs = 11,366  
 F(5, 11360) = 207.60  
 Prob > F = 0.0000  
 R-squared = 0.1120  
 Root MSE = .04397

r_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.0013528	.0001858	7.28	0.000	.0009885	.001717
pres_party	-.0130644	.0008884	-14.71	0.000	-.0148058	-.0113231
med_income	-1.47e-08	4.15e-08	-0.35	0.724	-9.61e-08	6.68e-08
index	-.0002242	.0000377	-5.94	0.000	-.0002982	-.0001502
r_sim_n100 L1.	.2109193	.0124822	16.90	0.000	.186452	.2353865
_cons	.3006479	.0066274	45.36	0.000	.287657	.3136388

Linear regression

Number of obs = 8,126  
 F(5, 8120) = 173.68  
 Prob > F = 0.0000  
 R-squared = 0.1343  
 Root MSE = .03896

d_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0005864	.000238	2.46	0.014	.0001199	.0010529
pres_party	-.0021885	.0009384	-2.33	0.020	-.004028	-.0003489
med_income	1.86e-07	3.38e-08	5.52	0.000	1.20e-07	2.52e-07
index L1.	-.000432	.000041	-10.54	0.000	-.0005124	-.0003517
d_sim_n100 L1.	.2636067	.0134652	19.58	0.000	.2372116	.2900019
_cons	.2995353	.0077535	38.63	0.000	.2843365	.3147341

Linear regression

Number of obs = 11,366  
F(5, 11360) = 203.17  
Prob > F = 0.0000  
R-squared = 0.1116  
Root MSE = .04398

r_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0008417	.0001939	4.34	0.000	.0004616	.0012218
pres_party	-.0135483	.0008727	-15.52	0.000	-.015259	-.0118376
med_income	-4.26e-08	4.18e-08	-1.02	0.308	-1.25e-07	3.94e-08
index						
L1.	-.0003065	.0000386	-7.94	0.000	-.0003822	-.0002309
r_sim_n100						
L1.	.2094628	.0125102	16.74	0.000	.1849407	.2339849
_cons	.3130239	.0069677	44.93	0.000	.2993661	.3266818

Linear regression

Number of obs = 8,126  
F(5, 8120) = 173.98  
Prob > F = 0.0000  
R-squared = 0.1346  
Root MSE = .03895

d_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	.000668	.0002202	3.03	0.002	.0002363	.0010998
pres_party	-.0019788	.0009464	-2.09	0.037	-.0038338	-.0001237
med_income	1.91e-07	3.38e-08	5.65	0.000	1.25e-07	2.58e-07
index						
L1.	-.0004301	.0000389	-11.06	0.000	-.0005063	-.0003538
d_sim_n100						
L1.	.2631264	.013438	19.58	0.000	.2367844	.2894683
_cons	.2986715	.0075603	39.51	0.000	.2838514	.3134917

Linear regression

Number of obs = 11,366  
F(5, 11360) = 211.53  
Prob > F = 0.0000  
R-squared = 0.1134  
Root MSE = .04393

r_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	.0012015	.0001833	6.56	0.000	.0008423	.0015608
pres_party	-.0129571	.0008772	-14.77	0.000	-.0146766	-.0112376
med_income	-2.22e-08	4.16e-08	-0.53	0.594	-1.04e-07	5.94e-08
index						
L1.	-.0002762	.0000378	-7.31	0.000	-.0003502	-.0002021
r_sim_n100						
L1.	.2090287	.0124631	16.77	0.000	.1845988	.2334586
_cons	.3071002	.006739	45.57	0.000	.2938906	.3203098

```
Number of obs      =      8,126
Number of groups   =       216
```

```
Obs per group:
      min =      1
      avg =    37.6
      max =     78
```

F(5, 215)	=	128.74
Prob > F	=	0.0000

d_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0018906	.0003315	5.70	0.000	.0012372	.0025441
pres_party	-.001073	.0009271	-1.16	0.248	-.0029003	.0007544
med_income	3.25e-09	8.25e-08	0.04	0.969	-1.59e-07	1.66e-07
index	-.0003427	.0000476	-7.20	0.000	-.0004364	-.0002489
d_sim_n100 l1.	.0898849	.0261291	3.44	0.001	.0383828	.1413869
_cons	.3566991	.0118898	30.00	0.000	.3332637	.3801345
sigma_u	.02066927					
sigma_e	.03598442					
rho	.24808041	(fraction of variance due to u_i)				

```
Number of obs   =    11,366
Number of groups =     251
```

```
Obs per group:
      min =      1
      avg =    45.3
      max =     78
```

F(5, 250)	=	225.23
Prob > F	=	0.0000

r_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp	.0026619	.000423	6.29	0.000	.0018289	.003495
pres_party	-.0140009	.0008949	-15.64	0.000	-.0157634	-.0122384
med_income	1.39e-08	7.36e-08	0.19	0.851	-1.31e-07	1.59e-07
index	-.0001468	.0000539	-2.72	0.007	-.0002531	-.0000406
r_sim_n100 L1.	.06848	.0257892	2.66	0.008	.0176882	.1192717
_cons	.3359249	.0139026	24.16	0.000	.3085438	.3633061
sigma_u	.02211045					
sigma_e	.04001353					
rho	.23391513	(fraction of variance due to u i)				

```
Number of obs      =      8,126
Number of groups   =       216
```

```
Obs per group:
      min =      1
      avg =    37.6
      max =     78
```

corr(u_i, Xb) = 0.1501	F(5, 215)	=	124.05
	Prob > F	=	0.0000

(Std. err. adjusted for 216 clusters in state dist code)

d_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp						
L1.	.0018514	.0003538	5.23	0.000	.0011539	.0025488
pres_party	-.0008921	.0010296	-0.87	0.387	-.0029216	.0011373
med_income	-2.65e-09	8.26e-08	-0.03	0.974	-1.66e-07	1.60e-07
index	-.0003597	.0000444	-8.11	0.000	-.0004472	-.0002723
d_sim_n100						
L1.	.0895111	.0259332	3.45	0.001	.0383952	.1406269
_cons	.3586594	.0116945	30.67	0.000	.3356088	.3817101
sigma_u	.020697					
sigma_e	.03597935					
rho	.24863363	(fraction of variance due to u_i)				

```
Fixed-effects (within) regression      Number of obs   =    11,366
Group variable: state dist~e         Number of groups =     251
```

R-squared:	Obs per group:
Within = 0.0820	min = 1
Between = 0.0854	avg = 45.3
Overall = 0.0784	max = 78

corr(u i, Xb) = -0.0317	F(5, 250)	=	223.48
	Prob > F	=	0.0000

(Std. err. adjusted for 251 clusters in state dist code)

r_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.0033609	.0004823	6.97	0.000	.0024109	.0043108
pres_party	-.0126233	.0009102	-13.87	0.000	-.014416	-.0108306
med_income	1.72e-08	7.39e-08	0.23	0.816	-1.28e-07	1.63e-07
index	-.0000936	.0000533	-1.76	0.080	-.0001985	.0000113
r_sim_n100 L1.	.0666924	.0258254	2.58	0.010	.0158292	.1175555
_cons	.3268234	.0107283	30.46	0.000	.3056941	.3479528
sigma_u	.02236497					
sigma_e	.03988971					
rho	.2391682	(fraction of variance due to u_i)				

```
Fixed-effects (within) regression      Number of obs   =      8,126
Group variable: state dist~e          Number of groups =       216
```

R-squared:	Obs per group:
Within = 0.0588	min = 1
Between = 0.3895	avg = 37.6
Overall = 0.0958	max = 78

corr(u i, Xb) = 0.1718	F(5, 215)	=	149.38
	Prob > F	=	0.0000

	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
d_sim_n100						
unemp	.0014214	.0003373	4.21	0.000	.0007567	.0020862
pres_party	-.0010623	.0008957	-1.19	0.237	-.0028278	.0007033
med_income	3.59e-10	8.23e-08	0.00	0.997	-1.62e-07	1.63e-07
index						
L1.	-.0004112	.0000484	-8.49	0.000	-.0005067	-.0003157
d_sim_n100						
L1.	.0880762	.0259749	3.39	0.001	.0368782	.1392743
_cons	.3663772	.0121666	30.11	0.000	.3423961	.3903582
sigma_u	.02057305					
sigma_e	.03594674					
rho	.24673307	(fraction of variance due to u i)				

Fixed-effects (within) regression	Number of obs	=	11,366
Group variable: state_dist~e	Number of groups	=	251
R-squared:	Obs per group:		
Within = 0.0778	min =		1
Between = 0.1226	avg =		45.3
Overall = 0.0842	max =		78
	F(5, 250)	=	261.60
corr(u i, Xb) = 0.0455	Prob > F	=	0.0000

	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
r_sim_n100						
unemp	.0021719	.0004026	5.39	0.000	.0013789	.0029649
pres_party	-.0144127	.0008585	-16.79	0.000	-.0161034	-.0127219
med_income	1.76e-08	7.32e-08	0.24	0.810	-1.27e-07	1.62e-07
index						
L1.	-.0002387	.0000495	-4.83	0.000	-.0003362	-.0001413
r_sim_n100						
L1.	.0671373	.0257441	2.61	0.010	.0164343	.1178403
_cons	.3473368	.0140159	24.78	0.000	.3197326	.374941
sigma_u	.02201296					
sigma_e	.03998132					
rho	.23262254	(fraction of variance due to u i)				

Fixed-effects (within) regression	Number of obs	=	8,126
Group variable: state_dist~e	Number of groups	=	216
R-squared:	Obs per group:		
Within = 0.0596	min =		1
Between = 0.3763	avg =		37.6
Overall = 0.0947	max =		78
	F(5, 215)	=	144.15
corr(u i, Xb) = 0.1622	Prob > F	=	0.0000

(Std. err. adjusted for 216 clusters in state_dist_code)						
d_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.0015019	.0003466	4.33	0.000	.0008188	.002185
pres_party med_income	-.0007369	.0009952	-0.74	0.460	-.0026985	.0012246
	-4.10e-09	8.24e-08	-0.05	0.960	-1.67e-07	1.58e-07
index L1.	-.0004178	.0000431	-9.69	0.000	-.0005028	-.0003328
d_sim_n100 L1.	.0871062	.0258037	3.38	0.001	.0362455	.1379668
_cons	.3668067	.0118353	30.99	0.000	.3434786	.3901348
sigma_u	.02061491					
sigma_e	.03593228					
rho	.24763935	(fraction of variance due to u_i)				

Fixed-effects (within) regression  
Group variable: state\_dist~e

Number of obs = 11,366  
Number of groups = 251

R-squared:

Within = 0.0831  
Between = 0.0936  
Overall = 0.0818

Obs per group:

min = 1  
avg = 45.3  
max = 78

corr(u\_i, Xb) = -0.0076

F(5, 250) = 249.55  
Prob > F = 0.0000

(Std. err. adjusted for 251 clusters in state_dist_code)						
r_sim_n100	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
unemp L1.	.0029796	.0004705	6.33	0.000	.0020529	.0039062
pres_party med_income	-.0130328	.0008764	-14.87	0.000	-.0147588	-.0113068
	1.98e-08	7.36e-08	0.27	0.788	-1.25e-07	1.65e-07
index L1.	-.0001738	.0000501	-3.47	0.001	-.0002725	-.0000751
r_sim_n100 L1.	.0654053	.0257344	2.54	0.012	.0147215	.1160891
_cons	.336621	.0105676	31.85	0.000	.3158082	.3574339
sigma_u	.02225928					
sigma_e	.03986647					
rho	.23765971	(fraction of variance due to u_i)				

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