```
-------------------------------------------------------------------------------------------
> -----------------------------------------------------------
      name:  <unnamed>
       log:  C:\Users\Maxfield Evers\Desktop\Thesis\Data\FE_TIME.log
  log type:  text
 opened on:  10 Apr 2025, 02:16:39

.
.
.
. //ADDITIONAL REGRESSIONS FOR LOGS
. foreach n of num 25 50 100{
  2.         //no lags
.         xtreg d_sim_n`n' unemp pres_party med_income index L.d_sim_n`n' i.date if pa
> rty_code==0, fe robust
  3.         xtreg r_sim_n`n' unemp pres_party med_income index L.r_sim_n`n' i.date if
>  party_code==1, fe robust
  4.
.         //unemployment lag
.         xtreg d_sim_n`n' L.unemp pres_party med_income index L.d_sim_n`n' i.date if
> party_code==0, fe robust
  5.         xtreg r_sim_n`n' L.unemp pres_party med_income index L.r_sim_n`n' i.date
> if party_code==1, fe robust
  6.
.         //sentiment lag
.         xtreg d_sim_n`n' unemp pres_party med_income L.index L.d_sim_n`n' i.date if
> party_code==0, fe robust
  7.         xtreg r_sim_n`n' unemp pres_party med_income L.index L.r_sim_n`n' i.date
> if party_code==1, fe robust
  8.
.         //unemployment and sentiment lag
.         xtreg d_sim_n`n' L.unemp pres_party med_income L.index L.d_sim_n`n' i.date i
> f party_code==0, fe robust
  9.         xtreg r_sim_n`n' L.unemp pres_party med_income L.index L.r_sim_n`n' i.dat
> e if party_code==1, fe robust
 10.
.         //no lags
.         xtreg d_sim_n`n' unemp pres_party med_income index L.d_sim_n`n' i.year if pa
> rty_code==0, fe robust
 11.         xtreg r_sim_n`n' unemp pres_party med_income index L.r_sim_n`n' i.year if
>  party_code==1, fe robust
 12.
.         //unemployment lag
.         xtreg d_sim_n`n' L.unemp pres_party med_income index L.d_sim_n`n' i.year if
> party_code==0, fe robust
 13.         xtreg r_sim_n`n' L.unemp pres_party med_income index L.r_sim_n`n' i.year
> if party_code==1, fe robust
 14.
.         //sentiment lag
.         xtreg d_sim_n`n' unemp pres_party med_income L.index L.d_sim_n`n' i.year if
> party_code==0, fe robust
 15.         xtreg r_sim_n`n' unemp pres_party med_income L.index L.r_sim_n`n' i.year
> if party_code==1, fe robust
 16.
.         //unemployment and sentiment lag
.         xtreg d_sim_n`n' L.unemp pres_party med_income L.index L.d_sim_n`n' i.year i
> f party_code==0, fe robust
 17.         xtreg r_sim_n`n' L.unemp pres_party med_income L.index L.r_sim_n`n' i.yea
> r if party_code==1, fe robust
 18. }
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1728                                         min =          1
     Between = 0.1009                                         avg =       37.6
     Overall = 0.1425                                         max =         78
```

```
                                                F(80, 215)        =      41.43
corr(u_i, Xb) = 0.0166                          Prob > F          =     0.0000

                    (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   d_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0004289   .0004085    -1.05   0.295    -.0012341    .0003764
  pres_party |   .0521639   .0199054     2.62   0.009     .0129291    .0913987
  med_income |  -1.59e-08   7.63e-08    -0.21   0.835    -1.66e-07    1.34e-07
       index |   .0017555   .0004532     3.87   0.000     .0008622    .0026489
             |
   d_sim_n25 |
         L1. |   .0163456    .026635     0.61   0.540    -.0361536    .0688448
             |
        date |
         150 |  -.0151104   .0058943    -2.56   0.011    -.0267285   -.0034924
         151 |   -.004784   .0047252    -1.01   0.312    -.0140977    .0045297
         152 |  -.0069703   .0061144    -1.14   0.256    -.0190222    .0050815
         153 |  -.0090896   .0050111    -1.81   0.071    -.0189667    .0007876
         154 |   .0100192   .0048035     2.09   0.038     .0005511    .0194872
         155 |  -.0036314    .006047    -0.60   0.549    -.0155504    .0082875
         156 |  -.0542259   .0076123    -7.12   0.000    -.0692302   -.0392216
         157 |  -.0583503   .0040328   -14.47   0.000    -.0662992   -.0504013
         158 |  -.0654161   .0059324   -11.03   0.000    -.0771092    -.053723
         159 |  -.0537684   .0052097   -10.32   0.000     -.064037   -.0434999
         160 |  -.0585989   .0075247    -7.79   0.000    -.0734306   -.0437673
         161 |  -.0566245   .0064655    -8.76   0.000    -.0693685   -.0438806
         162 |  -.0481271    .006728    -7.15   0.000    -.0613884   -.0348658
         163 |  -.0483544   .0068545    -7.05   0.000    -.0618651   -.0348438
         164 |   .0012089    .008687     0.14   0.889    -.0159138    .0183315
         165 |  -.0458074   .0152159    -3.01   0.003    -.0757989    -.015816
         166 |  -.0553704   .0159151    -3.48   0.001    -.0867401   -.0240008
         167 |  -.0434718   .0139338    -3.12   0.002    -.0709362   -.0160075
         168 |  -.0566983   .0178138    -3.18   0.002    -.0918103   -.0215863
         169 |  -.0559279   .0175924    -3.18   0.002    -.0906035   -.0212523
         170 |  -.0453016    .015371    -2.95   0.004    -.0755988   -.0150043
         171 |  -.0444632   .0132277    -3.36   0.001    -.0705357   -.0183906
         172 |  -.0401296   .0134426    -2.99   0.003    -.0666258   -.0136335
         173 |  -.0524411   .0149271    -3.51   0.001    -.0818633   -.0230188
         174 |  -.0582955   .0160444    -3.63   0.000    -.0899199   -.0266711
         175 |  -.0635226   .0171001    -3.71   0.000     -.097228   -.0298173
         176 |  -.0662556   .0199141    -3.33   0.001    -.1055076   -.0270037
         177 |  -.0593977   .0176378    -3.37   0.001    -.0941627   -.0246326
         178 |   -.070173   .0189957    -3.69   0.000    -.1076146   -.0327314
         179 |  -.0602598   .0174567    -3.45   0.001    -.0946679   -.0258516
         180 |  -.0602382   .0191479    -3.15   0.002    -.0979798   -.0224966
         181 |  -.0429636   .0152245    -2.82   0.005     -.072972   -.0129552
         182 |  -.0518317   .0152987    -3.39   0.001    -.0819863    -.021677
         183 |  -.0379549   .0130944    -2.90   0.004    -.0637647    -.012145
         184 |  -.0471955   .0160985    -2.93   0.004    -.0789265   -.0154644
         185 |    -.04013   .0137439    -2.92   0.004      -.06722     -.01304
         186 |  -.0455019   .0138937    -3.27   0.001    -.0728872   -.0181165
         187 |  -.0590332   .0171313    -3.45   0.001       -.0928   -.0252664
         188 |  -.0698547   .0186415    -3.75   0.000    -.1065982   -.0331112
         189 |  -.0509685   .0140658    -3.62   0.000    -.0786931   -.0232439
         190 |  -.0566038   .0146483    -3.86   0.000    -.0854765   -.0277312
         191 |  -.0360923   .0109648    -3.29   0.001    -.0577046   -.0144801
         192 |  -.0341489   .0099058    -3.45   0.001    -.0536739   -.0146239
         193 |  -.0066727   .0058615    -1.14   0.256    -.0182261    .0048806
         194 |  -.0157029   .0064879    -2.42   0.016    -.0284909    -.002915
         195 |           0  (omitted)
         196 |   .0255396   .0205255     1.24   0.215    -.0149174    .0659965
         197 |   .0150236   .0149954     1.00   0.318    -.0145333    .0445804
         198 |    .002992   .0143772     0.21   0.835    -.0253464    .0313303
         199 |   .0090222   .0134238     0.67   0.502    -.0174368    .0354813
         200 |  -.0046057   .0119846    -0.38   0.701     -.028228    .0190167
         201 |  -.0022146   .0119672    -0.19   0.853    -.0258027    .0213735
         202 |    .012033   .0140337     0.86   0.392    -.0156282    .0396941
         203 |   .0131671   .0145054     0.91   0.365    -.0154239    .0417581
         204 |   .0357102    .017544     2.04   0.043     .0011299    .0702905
```

```
         205  |   .0527266   .0146081     3.61   0.000     .0239331    .0815201
         206  |   .0536061   .0184983     2.90   0.004     .0171448    .0900675
         207  |   .0522204   .0163439     3.20   0.002     .0200056    .0844352
         208  |   .0382119   .0111689     3.42   0.001     .0161972    .0602265
         209  |    .037002   .0112928     3.28   0.001     .0147431    .0592608
         210  |   .0328305   .0116461     2.82   0.005     .0098754    .0557856
         211  |   .0179573   .0113752     1.58   0.116    -.0044638    .0403785
         212  |   .0210046   .0135349     1.55   0.122    -.0056735    .0476827
         213  |    .013088   .0093557     1.40   0.163    -.0053526    .0315286
         214  |   .0006627   .0090212     0.07   0.942    -.0171187     .018444
         215  |   .0127508   .0104195     1.22   0.222    -.0077867    .0332882
         216  |   .0070118   .0087034     0.81   0.421    -.0101431    .0241668
         217  |   .0034093   .0079424     0.43   0.668    -.0122456    .0190643
         218  |   .0078272   .0064458     1.21   0.226    -.0048778    .0205323
         219  |  -.0102529   .0077843    -1.32   0.189    -.0255961    .0050904
         220  |  -.0180184   .0063202    -2.85   0.005    -.0304758    -.005561
         221  |  -.0245337    .004281    -5.73   0.000    -.0329718   -.0160957
         222  |  -.0210505   .0055029    -3.83   0.000     -.031897    -.010204
         223  |  -.0203555     .00483    -4.21   0.000    -.0298758   -.0108352
         224  |  -.0128074   .0047976    -2.67   0.008    -.0222637   -.0033511
         225  |  -.0190991   .0043091    -4.43   0.000    -.0275926   -.0106056
         226  |           0  (omitted)
              |
       _cons  |   .2146493   .0449076     4.78   0.000     .1261337    .3031649
-------------+----------------------------------------------------------------
     sigma_u |   .0227091
     sigma_e |  .03458784
         rho |  .30122467   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.5302                                         min =          1
     Between = 0.3660                                         avg =       45.3
     Overall = 0.4950                                         max =         78

                                                F(80, 250)        =     243.02
corr(u_i, Xb) = 0.0265                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0003457   .0005347    -0.65   0.519    -.0013988    .0007074
  pres_party |  -.0638519   .0186119    -3.43   0.001     -.100508   -.0271958
  med_income |  -4.38e-08   7.82e-08    -0.56   0.576    -1.98e-07    1.10e-07
       index |  -.0006349   .0004638    -1.37   0.172    -.0015483    .0002785
             |
   r_sim_n25 |
         L1. |   .0672674   .0239957     2.80   0.005     .0200079     .114527
             |
        date |
         150 |   -.006589   .0069758    -0.94   0.346    -.0203278    .0071498
         151 |   .0005871   .0058407     0.10   0.920    -.0109162    .0120904
         152 |  -.0001088   .0075663    -0.01   0.989    -.0150106    .0147931
         153 |   .0003336   .0070899     0.05   0.963    -.0136299    .0142971
         154 |  -.0061403    .007169    -0.86   0.393    -.0202595     .007979
         155 |  -.0107182   .0081238    -1.32   0.188     -.026718    .0052816
         156 |  -.0840732   .0110543    -7.61   0.000    -.1058445   -.0623018
         157 |  -.0717818   .0034354   -20.89   0.000    -.0785478   -.0650159
         158 |  -.0764925   .0067957   -11.26   0.000    -.0898766   -.0631085
         159 |  -.0763161   .0058705   -13.00   0.000    -.0878782   -.0647541
         160 |  -.0674475   .0083113    -8.12   0.000    -.0838167   -.0510783
         161 |  -.0739985   .0075021    -9.86   0.000    -.0887738   -.0592233
         162 |  -.0725217   .0080872    -8.97   0.000    -.0884495   -.0565939
         163 |  -.0895027   .0088644   -10.10   0.000    -.1069612   -.0720442
         164 |  -.0072333   .0116849    -0.62   0.536    -.0302468    .0157801
```

```
         165  |   .0625918   .0152485     4.10   0.000     .0325598    .0926238
         166  |   .0725241   .0164494     4.41   0.000     .0401269    .1049212
         167  |   .0731663    .014819     4.94   0.000     .0439802    .1023523
         168  |   .0744928   .0183094     4.07   0.000     .0384324    .1105532
         169  |   .0751914   .0188343     3.99   0.000     .0380974    .1122854
         170  |   .0706245   .0165683     4.26   0.000     .0379932    .1032558
         171  |    .063288   .0131987     4.80   0.000     .0372933    .0892828
         172  |   .0441318   .0151566     2.91   0.004     .0142809    .0739827
         173  |   .0557986   .0151507     3.68   0.000     .0259593     .085638
         174  |   .0665398   .0170677     3.90   0.000     .0329251    .1001545
         175  |   .0711411   .0179733     3.96   0.000     .0357427    .1065394
         176  |   .0647823   .0204256     3.17   0.002     .0245541    .1050106
         177  |   .0660369   .0187707     3.52   0.001     .0290681    .1030058
         178  |   .0682001   .0203341     3.35   0.001     .0281521    .1082481
         179  |   .0646063   .0182288     3.54   0.000     .0287047     .100508
         180  |   .0404064   .0196776     2.05   0.041     .0016513    .0791614
         181  |   .0467055   .0150829     3.10   0.002     .0169998    .0764111
         182  |    .047312   .0157826     3.00   0.003     .0162282    .0783958
         183  |   .0507283   .0135731     3.74   0.000     .0239962    .0774604
         184  |    .050094   .0162603     3.08   0.002     .0180694    .0821187
         185  |   .0501864   .0142401     3.52   0.001     .0221406    .0782322
         186  |   .0501446   .0145934     3.44   0.001     .0214029    .0788863
         187  |   .0446899   .0166297     2.69   0.008     .0119378     .077442
         188  |   .0284241   .0187455     1.52   0.131    -.0084952    .0653434
         189  |   .0314439   .0137698     2.28   0.023     .0043244    .0585635
         190  |   .0316721   .0149423     2.12   0.035     .0022433    .0611009
         191  |   .0329955   .0115364     2.86   0.005     .0102745    .0557164
         192  |   .0254969   .0095138     2.68   0.008     .0067594    .0442344
         193  |    .019572   .0062494     3.13   0.002     .0072638    .0318801
         194  |   .0235132   .0070443     3.34   0.001     .0096395     .037387
         195  |          0  (omitted)
         196  |  -.1725792   .0185382    -9.31   0.000    -.2090901   -.1360684
         197  |  -.1523222   .0149532   -10.19   0.000    -.1817726   -.1228719
         198  |  -.1560195   .0130711   -11.94   0.000     -.181763    -.130276
         199  |  -.1484184   .0128941   -11.51   0.000    -.1738133   -.1230236
         200  |  -.1516842   .0116719   -13.00   0.000     -.174672   -.1286964
         201  |  -.1489435   .0109548   -13.60   0.000     -.170519    -.127368
         202  |  -.1550266   .0131467   -11.79   0.000     -.180919   -.1291341
         203  |  -.1592872   .0134228   -11.87   0.000    -.1857233   -.1328511
         204  |  -.0595733   .0138385    -4.30   0.000    -.0868282   -.0323185
         205  |  -.0606572   .0128505    -4.72   0.000    -.0859663   -.0353481
         206  |  -.0725285   .0167416    -4.33   0.000     -.105501    -.039556
         207  |  -.0585655   .0145662    -4.02   0.000    -.0872536   -.0298775
         208  |   -.069299   .0101738    -6.81   0.000    -.0893364   -.0492617
         209  |  -.0620835   .0091939    -6.75   0.000    -.0801908   -.0439762
         210  |  -.0672375   .0094223    -7.14   0.000    -.0857946   -.0486804
         211  |  -.0543685   .0103314    -5.26   0.000    -.0747161   -.0340208
         212  |  -.0476329   .0123956    -3.84   0.000     -.072046   -.0232197
         213  |  -.0334042   .0075496    -4.42   0.000    -.0482732   -.0185351
         214  |  -.0295811   .0068797    -4.30   0.000    -.0431307   -.0160316
         215  |  -.0293477   .0084886    -3.46   0.001    -.0460659   -.0126295
         216  |  -.0296066   .0070578    -4.19   0.000    -.0435069   -.0157064
         217  |  -.0245885   .0055275    -4.45   0.000    -.0354749   -.0137021
         218  |  -.0289158    .005366    -5.39   0.000    -.0394842   -.0183474
         219  |  -.0316773   .0052727    -6.01   0.000    -.0420619   -.0212927
         220  |  -.0183105   .0083365    -2.20   0.029    -.0347292   -.0018918
         221  |  -.0045838   .0031299    -1.46   0.144    -.0107481    .0015805
         222  |  -.0073504   .0040905    -1.80   0.074    -.0154066    .0007058
         223  |  -.0009808   .0033578    -0.29   0.770    -.0075939    .0056323
         224  |  -.0070872   .0035715    -1.98   0.048    -.0141212   -.0000531
         225  |    .002014   .0026794     0.75   0.453     -.003263    .0072911
         226  |          0  (omitted)
              |
       _cons  |   .4186348   .0472327     8.86   0.000     .3256101    .5116596
--------------+----------------------------------------------------------------
     sigma_u  |  .02170226
     sigma_e  |  .04218787
         rho  |  .20925315   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.
```

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

R-squared:                                      Obs per group:
     Within  = 0.1729                                         min =          1
     Between = 0.1010                                         avg =       37.6
     Overall = 0.1430                                         max =         78

                                                F(80, 215)        =      41.54
corr(u_i, Xb) = 0.0169                          Prob > F          =     0.0000

                    (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   d_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |  -.0006663   .0004327    -1.54   0.125    -.0015191    .0001865
             |
  pres_party |   .0542612   .0197072     2.75   0.006     .0154172    .0931052
  med_income |  -1.41e-08   7.59e-08    -0.19   0.853    -1.64e-07    1.35e-07
       index |   .0018159   .0004506     4.03   0.000     .0009277    .0027041
             |
   d_sim_n25 |
         L1. |    .016296   .0266672     0.61   0.542    -.0362666    .0688587
             |
        date |
         150 |  -.0158094    .005868    -2.69   0.008    -.0273756   -.0042431
         151 |  -.0053693   .0047085    -1.14   0.255    -.0146501    .0039114
         152 |   -.008428   .0062009    -1.36   0.176    -.0206503    .0037943
         153 |  -.0094833   .0049865    -1.90   0.059     -.019312    .0003454
         154 |   .0091885   .0047453     1.94   0.054    -.0001648    .0185418
         155 |  -.0039971   .0060152    -0.66   0.507    -.0158533    .0078591
         156 |  -.0555548   .0078459    -7.08   0.000    -.0710195     -.04009
         157 |  -.0589339    .004046   -14.57   0.000    -.0669087    -.050959
         158 |  -.0663718   .0059777   -11.10   0.000    -.0781541   -.0545895
         159 |  -.0545312   .0051845   -10.52   0.000    -.0647502   -.0443122
         160 |  -.0602154   .0075563    -7.97   0.000    -.0751093   -.0453215
         161 |  -.0574567   .0064301    -8.94   0.000    -.0701307   -.0447826
         162 |  -.0493612   .0066488    -7.42   0.000    -.0624664    -.036256
         163 |  -.0491478   .0069113    -7.11   0.000    -.0627705   -.0355252
         164 |   .0004735   .0089037     0.05   0.958    -.0170763    .0180233
         165 |  -.0477397   .0150454    -3.17   0.002    -.0773952   -.0180843
         166 |   -.057533   .0157488    -3.65   0.000    -.0885748   -.0264913
         167 |  -.0454241   .0137784    -3.30   0.001    -.0725822   -.0182661
         168 |  -.0592742   .0177399    -3.34   0.001    -.0942406   -.0243077
         169 |  -.0576024   .0174772    -3.30   0.001    -.0920509   -.0231539
         170 |  -.0468665   .0151862    -3.09   0.002    -.0767994   -.0169335
         171 |  -.0458823   .0130361    -3.52   0.001    -.0715772   -.0201874
         172 |  -.0417298   .0136026    -3.07   0.002    -.0685414   -.0149182
         173 |    -.05388   .0148361    -3.63   0.000    -.0831229   -.0246371
         174 |  -.0599144   .0159347    -3.76   0.000    -.0913225   -.0285062
         175 |  -.0651569   .0169489    -3.84   0.000    -.0985642   -.0317495
         176 |  -.0688729   .0198016    -3.48   0.001     -.107903   -.0298428
         177 |  -.0609563   .0174684    -3.49   0.001    -.0953876   -.0265249
         178 |  -.0722677   .0187641    -3.85   0.000    -.1092528   -.0352825
         179 |  -.0622618   .0172782    -3.60   0.000    -.0963181   -.0282055
         180 |  -.0626131   .0193143    -3.24   0.001    -.1006827   -.0245435
         181 |  -.0444388   .0150907    -2.94   0.004    -.0741834   -.0146942
         182 |  -.0535706   .0151089    -3.55   0.000    -.0833511     -.02379
         183 |  -.0393422   .0129627    -3.04   0.003    -.0648924   -.0137919
         184 |  -.0492999   .0160017    -3.08   0.002    -.0808403   -.0177596
         185 |  -.0414429   .0135994    -3.05   0.003    -.0682481   -.0146378
         186 |  -.0471997   .0136852    -3.45   0.001    -.0741739   -.0202254
         187 |  -.0610164   .0168769    -3.62   0.000    -.0942818   -.0277509
         188 |  -.0724023    .018849    -3.84   0.000    -.1095547   -.0352498
         189 |  -.0524886   .0139376    -3.77   0.000    -.0799604   -.0250167
         190 |   -.058461   .0144753    -4.04   0.000    -.0869927   -.0299293
         191 |  -.0373268   .0108444    -3.44   0.001    -.0587018   -.0159517
         192 |  -.0355212    .009841    -3.61   0.000    -.0549183    -.016124
         193 |  -.0065798   .0057684    -1.14   0.255    -.0179496      .00479
         194 |  -.0163408   .0064127    -2.55   0.012    -.0289807   -.0037009
```

```
        195  |          0  (omitted)
        196  |   .0269268   .0199869     1.35   0.179    -.0124686    .0663222
        197  |   .0174321   .0146909     1.19   0.237    -.0115244    .0463886
        198  |   .0053318    .014133     0.38   0.706    -.0225251    .0331887
        199  |   .0114307   .0131217     0.87   0.385     -.014433    .0372943
        200  |  -.0029405   .0115405    -0.25   0.799    -.0256875    .0198065
        201  |   .0006793   .0116898     0.06   0.954    -.0223619    .0237205
        202  |   .0145615   .0137673     1.06   0.291    -.0125746    .0416977
        203  |   .0156221   .0141474     1.10   0.271    -.0122632    .0435075
        204  |   .0376569   .0166798     2.26   0.025     .0047801    .0705337
        205  |   .0553973   .0142842     3.88   0.000     .0272423    .0835523
        206  |   .0565021   .0182785     3.09   0.002     .0204741      .09253
        207  |   .0551119   .0161203     3.42   0.001     .0233379     .086886
        208  |   .0398056   .0109312     3.64   0.000     .0182596    .0613516
        209  |   .0392019   .0110275     3.55   0.000     .0174659    .0609378
        210  |   .0346227   .0115388     3.00   0.003      .011879    .0573663
        211  |   .0197096   .0114194     1.73   0.086    -.0027987    .0422178
        212  |   .0223687   .0132852     1.68   0.094    -.0038173    .0485547
        213  |   .0148746   .0091472     1.63   0.105    -.0031551    .0329044
        214  |   .0019562   .0088885     0.22   0.826    -.0155635    .0194759
        215  |   .0145342   .0102398     1.42   0.157    -.0056491    .0347175
        216  |   .0080079   .0085363     0.94   0.349    -.0088177    .0248334
        217  |   .0049272   .0077892     0.63   0.528    -.0104258    .0202803
        218  |   .0086628     .00633     1.37   0.173     -.003814    .0211396
        219  |  -.0095352   .0077206    -1.24   0.218    -.0247529    .0056826
        220  |  -.0181644   .0062936    -2.89   0.004    -.0305694   -.0057594
        221  |  -.0241182   .0042115    -5.73   0.000    -.0324192   -.0158171
        222  |  -.0208025   .0054871    -3.79   0.000    -.0316179   -.0099871
        223  |  -.0200615   .0048072    -4.17   0.000    -.0295367   -.0105862
        224  |  -.0129462   .0047957    -2.70   0.007    -.0223988   -.0034935
        225  |  -.0187759   .0042818    -4.39   0.000    -.0272156   -.0103363
        226  |          0  (omitted)
             |
       _cons |   .2102072   .0447058     4.70   0.000     .1220894     .298325
-------------+----------------------------------------------------------------
     sigma_u |  .02270727
     sigma_e |  .03458403
         rho |   .3012372   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.5302                                         min =          1
     Between = 0.3670                                         avg =       45.3
     Overall = 0.4950                                         max =         78

                                                F(80, 250)        =     248.40
corr(u_i, Xb) = 0.0268                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |   .0002164   .0004798     0.45   0.652    -.0007285    .0011612
             |
  pres_party |  -.0647681   .0186235    -3.48   0.001    -.1014471   -.0280891
  med_income |  -4.38e-08   7.83e-08    -0.56   0.576    -1.98e-07    1.10e-07
       index |  -.0006383   .0004632    -1.38   0.169    -.0015506     .000274
             |
   r_sim_n25 |
         L1. |   .0674026   .0239378     2.82   0.005     .0202571    .1145481
             |
        date |
         150 |  -.0063618    .007012    -0.91   0.365     -.020172    .0074484
         151 |   .0009814   .0058614     0.17   0.867    -.0105627    .0125255
         152 |   .0000982   .0075987     0.01   0.990    -.0148673    .0150638
```

153	.000636	.0071227	0.09	0.929	-.0133921	.0146641
154	-.0057288	.0071901	-0.80	0.426	-.0198897	.008432
155	-.0102726	.008099	-1.27	0.206	-.0262235	.0056783
156	-.0837122	.0109042	-7.68	0.000	-.105188	-.0622363
157	-.0713445	.0033615	-21.22	0.000	-.077965	-.0647239
158	-.0759358	.0067793	-11.20	0.000	-.0892877	-.0625839
159	-.0756377	.0058164	-13.00	0.000	-.0870931	-.0641823
160	-.0668717	.0082918	-8.06	0.000	-.0832024	-.050541
161	-.0733577	.0074893	-9.79	0.000	-.0881079	-.0586075
162	-.0717966	.0080302	-8.94	0.000	-.087612	-.0559812
163	-.0886505	.0088241	-10.05	0.000	-.1060295	-.0712716
164	-.0066598	.0114317	-0.58	0.561	-.0291745	.0158548
165	.0638625	.0153463	4.16	0.000	.0336381	.094087
166	.0737311	.0165269	4.46	0.000	.0411814	.1062808
167	.0741351	.014844	4.99	0.000	.0448998	.1033704
168	.0750684	.0183139	4.10	0.000	.0389993	.1111376
169	.0757442	.0188543	4.02	0.000	.0386106	.1128778
170	.0713071	.0165813	4.30	0.000	.0386502	.103964
171	.064059	.013257	4.83	0.000	.0379494	.0901686
172	.0446644	.0150093	2.98	0.003	.0151036	.0742252
173	.0562128	.0151622	3.71	0.000	.026351	.0860747
174	.0670401	.0170779	3.93	0.000	.0334052	.1006749
175	.0718006	.0179588	4.00	0.000	.0364308	.1071703
176	.0653389	.0204081	3.20	0.002	.0251451	.1055327
177	.0666695	.0187795	3.55	0.000	.0296834	.1036557
178	.0690122	.0203336	3.39	0.001	.0289651	.1090593
179	.0655164	.018257	3.59	0.000	.0295593	.1014735
180	.0411806	.0195245	2.11	0.036	.0027272	.079634
181	.0475346	.0151138	3.15	0.002	.0177679	.0773013
182	.0482965	.0158467	3.05	0.003	.0170865	.0795066
183	.051763	.0135908	3.81	0.000	.0249959	.0785301
184	.0510678	.0162519	3.14	0.002	.0190598	.0830758
185	.051249	.0142944	3.59	0.000	.0230962	.0794019
186	.0512838	.0146164	3.51	0.001	.0224968	.0800709
187	.0460164	.0166758	2.76	0.006	.0131734	.0788595
188	.0296673	.0185111	1.60	0.110	-.0067902	.0661249
189	.0326303	.0137939	2.37	0.019	.0054632	.0597973
190	.0328592	.0150221	2.19	0.030	.0032732	.0624451
191	.0341225	.0115333	2.96	0.003	.0114076	.0568373
192	.0263621	.0095024	2.77	0.006	.0076471	.0450771
193	.0202579	.0062651	3.23	0.001	.0079188	.0325969
194	.0239598	.0070283	3.41	0.001	.0101175	.0378021
195	0	(omitted)				
196	-.1744269	.0188749	-9.24	0.000	-.2116009	-.1372528
197	-.154664	.015267	-10.13	0.000	-.1847324	-.1245957
198	-.1585675	.0133746	-11.86	0.000	-.1849088	-.1322262
199	-.1510083	.0132716	-11.38	0.000	-.1771466	-.12487
200	-.154561	.0123235	-12.54	0.000	-.1788321	-.13029
201	-.1516859	.0114829	-13.21	0.000	-.1743014	-.1290704
202	-.157576	.013611	-11.58	0.000	-.1843828	-.1307691
203	-.1618056	.0138468	-11.69	0.000	-.1890768	-.1345343
204	-.0620042	.0146299	-4.24	0.000	-.0908177	-.0331906
205	-.0629504	.0130539	-4.82	0.000	-.0886601	-.0372407
206	-.0747807	.0168418	-4.44	0.000	-.1079507	-.0416108
207	-.0605532	.0148074	-4.09	0.000	-.0897164	-.0313901
208	-.0712096	.0103598	-6.87	0.000	-.0916133	-.0508059
209	-.0638502	.0094231	-6.78	0.000	-.082409	-.0452914
210	-.068901	.0096427	-7.15	0.000	-.0878923	-.0499096
211	-.0559367	.0106011	-5.28	0.000	-.0768154	-.0350579
212	-.0492648	.0129176	-3.81	0.000	-.0747059	-.0238237
213	-.0348665	.0076258	-4.57	0.000	-.0498856	-.0198474
214	-.0308465	.006897	-4.47	0.000	-.0444301	-.0172629
215	-.0303734	.0086083	-3.53	0.000	-.0473275	-.0134194
216	-.0305884	.0072729	-4.21	0.000	-.0449124	-.0162645
217	-.0253437	.0055905	-4.53	0.000	-.0363542	-.0143332
218	-.029525	.005424	-5.44	0.000	-.0402076	-.0188424
219	-.0320854	.0052947	-6.06	0.000	-.0425133	-.0216575
220	-.0187056	.0084601	-2.21	0.028	-.0353678	-.0020435
221	-.0048567	.0030923	-1.57	0.118	-.0109469	.0012336
222	-.0074776	.0040683	-1.84	0.067	-.0154901	.0005349
223	-.000958	.0033581	-0.29	0.776	-.0075717	.0056557
224	-.0071632	.0035929	-1.99	0.047	-.0142393	-.0000871

```
        225  |   .0020091    .002672     0.75   0.453    -.0032534    .0072715
        226  |          0  (omitted)
             |
       _cons |   .4160113   .0466439     8.92   0.000     .3241461    .5078765
-------------+----------------------------------------------------------------
     sigma_u |  .02168275
     sigma_e |  .04218876
         rho |  .20894881   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1728                                         min =          1
     Between = 0.1009                                         avg =       37.6
     Overall = 0.1425                                         max =         78

                                                F(80, 215)        =      41.43
corr(u_i, Xb) = 0.0166                          Prob > F          =     0.0000

                      (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   d_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0004289   .0004085    -1.05   0.295    -.0012341    .0003764
  pres_party |   .0881686   .0288698     3.05   0.003     .0312646    .1450726
  med_income |  -1.59e-08   7.63e-08    -0.21   0.835    -1.66e-07    1.34e-07
             |
       index |
         L1. |   .0033781   .0008721     3.87   0.000     .0016591    .0050971
             |
   d_sim_n25 |
         L1. |   .0163456    .026635     0.61   0.540    -.0361536    .0688448
             |
        date |
         150 |  -.0237073   .0073155    -3.24   0.001    -.0381265   -.0092881
         151 |   -.024244   .0085513    -2.84   0.005    -.0410992   -.0073888
         152 |  -.0188123   .0084565    -2.22   0.027    -.0354806    -.002144
         153 |  -.0319702   .0098687    -3.24   0.001    -.0514221   -.0125183
         154 |  -.0157901   .0102704    -1.54   0.126    -.0360336    .0044534
         155 |  -.0237484   .0083243    -2.85   0.005    -.0401561   -.0073407
         156 |  -.0531885   .0074754    -7.12   0.000    -.0679229   -.0384541
         157 |  -.0760414   .0078013    -9.75   0.000    -.0914183   -.0606645
         158 |  -.0846473   .0098244    -8.62   0.000    -.1040118   -.0652829
         159 |  -.0732151   .0093835    -7.80   0.000    -.0917106   -.0547197
         160 |  -.0670788   .0093475    -7.18   0.000    -.0855032   -.0486543
         161 |  -.0839393   .0127262    -6.60   0.000    -.1090233   -.0588552
         162 |  -.0733325   .0124874    -5.87   0.000     -.097946   -.0487191
         163 |  -.0754883   .0113598    -6.65   0.000    -.0978792   -.0530974
         164 |  -.0341282   .0104219    -3.27   0.001    -.0546703   -.0135861
         165 |  -.0802455   .0235958    -3.40   0.001    -.1267543   -.0337367
         166 |  -.0898058   .0242494    -3.70   0.000    -.1376029   -.0420087
         167 |  -.0754308   .0216651    -3.48   0.001     -.118134   -.0327276
         168 |  -.0631273   .0193687    -3.26   0.001    -.1013042   -.0249504
         169 |  -.0876262   .0254379    -3.44   0.001    -.1377659   -.0374865
         170 |  -.0923157   .0269095    -3.43   0.001    -.1453558   -.0392755
         171 |  -.0746506   .0206731    -3.61   0.000    -.1153986   -.0339026
         172 |  -.0651648   .0188728    -3.45   0.001    -.1023643   -.0279653
         173 |  -.0483129   .0139636    -3.46   0.001     -.075836   -.0207897
         174 |  -.0855836   .0226989    -3.77   0.000    -.1303246   -.0408427
         175 |  -.0860708   .0226477    -3.80   0.000    -.1307107   -.0414309
         176 |  -.0872158   .0251297    -3.47   0.001    -.1367478   -.0376838
         177 |  -.1092153   .0300386    -3.64   0.000    -.1684232   -.0500075
         178 |  -.1002514    .026449    -3.79   0.000    -.1523839   -.0481189
         179 |  -.1007544   .0275438    -3.66   0.000    -.1550449   -.0464639
         180 |  -.0946389   .0270881    -3.49   0.001    -.1480311   -.0412468
         181 |  -.0848866   .0254016    -3.34   0.001    -.1349547   -.0348185
         182 |  -.0854956   .0234747    -3.64   0.000    -.1317657   -.0392256
```

```
         183  |  -.0709379   .0209861    -3.38   0.001    -.1123028   -.0295731
         184  |  -.0518769   .0172147    -3.01   0.003    -.0858081   -.0179457
         185  |  -.0757224   .0223224    -3.39   0.001    -.1197211   -.0317237
         186  |  -.0635149   .0181674    -3.50   0.001    -.0993239   -.0277058
         187  |  -.0627996   .0180592    -3.48   0.001    -.0983954   -.0272039
         188  |  -.1028617   .0262093    -3.92   0.000    -.1545217   -.0512016
         189  |  -.0922664   .0239617    -3.85   0.000    -.1394963   -.0450366
         190  |   -.081929   .0207454    -3.95   0.000    -.1228194   -.0410385
         191  |  -.0722726   .0195195    -3.70   0.000    -.1107467   -.0337985
         192  |  -.0503665   .0134037    -3.76   0.000    -.0767859    -.023947
         193  |  -.0306998   .0094074    -3.26   0.001    -.0492424   -.0121572
         194  |   .0143276   .0064658     2.22   0.028     .0015832     .027072
         195  |          0  (omitted)
         196  |   .0865821   .0354356     2.44   0.015     .0167365    .1564277
         197  |   .0914192   .0344455     2.65   0.009     .0235251    .1593134
         198  |   .0462955   .0252657     1.83   0.068    -.0035047    .0960958
         199  |   .0546346   .0248791     2.20   0.029     .0055964    .1036727
         200  |    .041935   .0235365     1.78   0.076    -.0044569    .0883269
         201  |   .0314893   .0203419     1.55   0.123    -.0086058    .0715843
         202  |   .0359058   .0199865     1.80   0.074    -.0034888    .0753003
         203  |   .0610484   .0259255     2.35   0.019     .0099476    .1121492
         204  |   .0771305   .0263128     2.93   0.004     .0252665    .1289946
         205  |   .0856219   .0228603     3.75   0.000     .0405629    .1306809
         206  |   .0687863   .0222972     3.08   0.002     .0248371    .1127355
         207  |   .1184179   .0331052     3.58   0.000     .0531656    .1836702
         208  |   .1058032   .0281003     3.77   0.000     .0504159    .1611905
         209  |   .0695142   .0192949     3.60   0.000     .0314828    .1075457
         210  |    .060358    .018346     3.29   0.001     .0241969    .0965192
         211  |   .0576008   .0204576     2.82   0.005     .0172777    .0979239
         212  |   .0410445   .0179835     2.28   0.023     .0055979    .0764911
         213  |   .0510265   .0187299     2.72   0.007     .0141088    .0879442
         214  |   .0215351   .0139049     1.55   0.123    -.0058722    .0489424
         215  |   .0257099    .013577     1.89   0.060    -.0010512     .052471
         216  |   .0428702   .0174917     2.45   0.015     .0083931    .0773474
         217  |   .0290909   .0141322     2.06   0.041     .0012354    .0569463
         218  |   .0274415   .0111677     2.46   0.015     .0054292    .0494537
         219  |   .0206235   .0132554     1.56   0.121    -.0055036    .0467506
         220  |  -.0001065   .0089188    -0.01   0.990    -.0176861    .0174731
         221  |  -.0281592   .0037718    -7.47   0.000    -.0355937   -.0207247
         222  |  -.0262533   .0048881    -5.37   0.000     -.035888   -.0166186
         223  |   -.013195   .0060999    -2.16   0.032    -.0252182   -.0011717
         224  |  -.0069848   .0058192    -1.20   0.231    -.0184549    .0044852
         225  |  -.0123721   .0054606    -2.27   0.024    -.0231352   -.0016091
         226  |          0  (omitted)
              |
       _cons  |   .0610387   .0837674     0.73   0.467    -.1040718    .2261493
--------------+----------------------------------------------------------------
     sigma_u  |   .0227091
     sigma_e  |  .03458784
         rho  |  .30122467   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.5302                                         min =          1
     Between = 0.3660                                         avg =       45.3
     Overall = 0.4950                                         max =         78

                                                F(80, 250)        =     243.02
corr(u_i, Xb) = 0.0265                          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	-.0003457	.0005347	-0.65	0.519	-.0013988	.0007074
pres_party	-.0768736	.0276989	-2.78	0.006	-.1314266	-.0223206
med_income	-4.38e-08	7.82e-08	-0.56	0.576	-1.98e-07	1.10e-07
index						
L1.	-.0012217	.0008924	-1.37	0.172	-.0029794	.0005359
r_sim_n25						
L1.	.0672674	.0239957	2.80	0.005	.0200079	.114527
date						
150	-.0034798	.0088697	-0.39	0.695	-.0209487	.0139891
151	.0076251	.0103672	0.74	0.463	-.0127931	.0280434
152	.0041741	.0102799	0.41	0.685	-.0160723	.0244204
153	.0086088	.0125431	0.69	0.493	-.0160949	.0333124
154	.003194	.013032	0.25	0.807	-.0224725	.0288606
155	-.0034425	.0109276	-0.32	0.753	-.0249644	.0180793
156	-.0844483	.0109497	-7.71	0.000	-.1060138	-.0628829
157	-.0653836	.0070944	-9.22	0.000	-.079356	-.0514111
158	-.0695373	.0111887	-6.21	0.000	-.0915734	-.0475011
159	-.0692829	.0102244	-6.78	0.000	-.0894199	-.0491459
160	-.0643806	.0102307	-6.29	0.000	-.0845301	-.0442312
161	-.0641197	.0141081	-4.54	0.000	-.0919057	-.0363338
162	-.0634058	.013865	-4.57	0.000	-.0907129	-.0360986
163	-.0796893	.0134837	-5.91	0.000	-.1062454	-.0531333
164	.0055469	.0140565	0.39	0.693	-.0221375	.0332312
165	.0750468	.0237149	3.16	0.002	.0283403	.1217533
166	.0849781	.0250488	3.39	0.001	.0356446	.1343117
167	.0847247	.0226913	3.73	0.000	.0400342	.1294153
168	.076818	.0199087	3.86	0.000	.0376078	.1160282
169	.0866556	.0268898	3.22	0.001	.0336961	.139615
170	.0876279	.0284982	3.07	0.002	.0315006	.1437551
171	.0742058	.0209901	3.54	0.000	.0328658	.1155458
172	.0531862	.0205125	2.59	0.010	.0127868	.0935856
173	.0543056	.0141885	3.83	0.000	.0263614	.0822498
174	.076409	.0238208	3.21	0.002	.0294939	.123324
175	.079296	.0236078	3.36	0.001	.0328004	.1257915
176	.0723629	.0257343	2.81	0.005	.0216793	.1230465
177	.0840542	.0314715	2.67	0.008	.0220712	.1460373
178	.0790784	.0280088	2.82	0.005	.0239152	.1342417
179	.0792518	.0286555	2.77	0.006	.0228148	.1356889
180	.0528479	.0279797	1.89	0.060	-.002258	.1079539
181	.0618676	.0255247	2.42	0.016	.0115968	.1121383
182	.0594871	.0241353	2.46	0.014	.0119526	.1070216
183	.0626571	.0216437	2.89	0.004	.0200298	.1052844
184	.0517871	.0174024	2.98	0.003	.0175132	.0860611
185	.0630589	.0230861	2.73	0.007	.0175908	.1085271
186	.0566593	.0190574	2.97	0.003	.0191258	.0941928
187	.0460521	.0176109	2.61	0.009	.0113675	.0807367
188	.0403616	.026561	1.52	0.130	-.0119504	.0926735
189	.04638	.023939	1.94	0.054	-.0007679	.0935279
190	.0408313	.0211283	1.93	0.054	-.0007807	.0824434
191	.0460806	.0201731	2.28	0.023	.0063497	.0858116
192	.0313622	.0131071	2.39	0.017	.0055477	.0571767
193	.0282617	.009868	2.86	0.005	.0088268	.0476966
194	.0126522	.0066587	1.90	0.059	-.0004621	.0257666
195	0	(omitted)				
196	-.1946562	.0339433	-5.73	0.000	-.2615075	-.127805
197	-.1799519	.0347922	-5.17	0.000	-.248475	-.1114288
198	-.1716809	.0240549	-7.14	0.000	-.2190571	-.1243048
199	-.1649148	.0244948	-6.73	0.000	-.2131573	-.1166724
200	-.1685164	.0231796	-7.27	0.000	-.2141687	-.1228641
201	-.161133	.0193579	-8.32	0.000	-.1992584	-.1230076
202	-.1636606	.0191569	-8.54	0.000	-.2013901	-.125931
203	-.1766042	.0252333	-7.00	0.000	-.2263012	-.1269071
204	-.0745536	.0234369	-3.18	0.002	-.1207126	-.0283947
205	-.0725543	.0213557	-3.40	0.001	-.1146142	-.0304943

```
        206  |  -.0780187   .0206161    -3.78   0.000    -.1186221   -.0374153
        207  |  -.0825069   .0317533    -2.60   0.010     -.145045   -.0199688
        208  |  -.0937445   .0273997    -3.42   0.001    -.1477081   -.0397809
        209  |   -.073842   .0174199    -4.24   0.000    -.1081505   -.0395336
        210  |  -.0771932   .0162883    -4.74   0.000    -.1092731   -.0451134
        211  |  -.0687062     .01925    -3.57   0.000    -.1066191   -.0307932
        212  |  -.0548806   .0164006    -3.35   0.001    -.0871816   -.0225796
        213  |  -.0471252    .017191    -2.74   0.007    -.0809829   -.0132675
        214  |    -.03713   .0118174    -3.14   0.002    -.0604042   -.0138557
        215  |  -.0340346    .011711    -2.91   0.004    -.0570994   -.0109697
        216  |  -.0425754   .0158801    -2.68   0.008    -.0738513   -.0112995
        217  |  -.0338767   .0119076    -2.84   0.005    -.0573288   -.0104246
        218  |  -.0360096   .0099171    -3.63   0.000    -.0555413   -.0164779
        219  |  -.0428442   .0111926    -3.83   0.000     -.064888   -.0208004
        220  |  -.0247886   .0092416    -2.68   0.008      -.04299   -.0065872
        221  |  -.0032726   .0030193    -1.08   0.279     -.009219    .0026738
        222  |  -.0054687    .003913    -1.40   0.163    -.0131754     .002238
        223  |  -.0035705   .0042578    -0.84   0.403    -.0119562    .0048152
        224  |   -.009193   .0042292    -2.17   0.031    -.0175224   -.0008635
        225  |  -.0004189   .0032596    -0.13   0.898    -.0068386    .0060008
        226  |           0  (omitted)
             |
       _cons |   .4741905   .0872218     5.44   0.000     .3024073    .6459737
-------------+----------------------------------------------------------------
     sigma_u |  .02170226
     sigma_e |  .04218787
         rho |  .20925315   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1729                                         min =          1
     Between = 0.1010                                         avg =       37.6
     Overall = 0.1430                                         max =         78

                                                F(80, 215)        =      41.54
corr(u_i, Xb) = 0.0169                          Prob > F          =     0.0000

                    (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  d_sim_n25  | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |  -.0006663   .0004327    -1.54   0.125    -.0015191    .0001865
             |
  pres_party |   .0915033    .028623     3.20   0.002     .0350857    .1479209
  med_income |  -1.41e-08   7.59e-08    -0.19   0.853    -1.64e-07    1.35e-07
             |
       index |
         L1. |   .0034942   .0008671     4.03   0.000     .0017851    .0052033
             |
   d_sim_n25 |
         L1. |    .016296   .0266672     0.61   0.542    -.0362666    .0688587
             |
        date |
         150 |  -.0247017   .0072709    -3.40   0.001    -.0390331   -.0103702
         151 |  -.0254981   .0084897    -3.00   0.003    -.0422318   -.0087645
         152 |  -.0206769   .0085111    -2.43   0.016    -.0374529    -.003901
         153 |  -.0331503   .0098119    -3.38   0.001    -.0524902   -.0138104
         154 |  -.0175077   .0101599    -1.72   0.086    -.0375335     .002518
         155 |  -.0248055    .008222    -3.02   0.003    -.0410114   -.0085995
         156 |  -.0544817    .007709    -7.07   0.000    -.0696766   -.0392869
         157 |   -.077233   .0077769    -9.93   0.000    -.0925618   -.0619042
         158 |   -.086264   .0098227    -8.78   0.000     -.105625   -.0669029
         159 |  -.0746462   .0093185    -8.01   0.000    -.0930136   -.0562789
         160 |  -.0689867   .0093574    -7.37   0.000    -.0874307   -.0505426
         161 |  -.0857101   .0126474    -6.78   0.000     -.110639   -.0607813
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162	-.0754329	.0123556	-6.11	0.000	-.0997865	-.0510793
163	-.0772142	.0113503	-6.80	0.000	-.0995864	-.0548421
164	-.036078	.0107797	-3.35	0.001	-.0573253	-.0148307
165	-.0833613	.0233843	-3.56	0.000	-.1294532	-.0372695
166	-.0931518	.0240347	-3.88	0.000	-.1405257	-.045778
167	-.0784814	.021467	-3.66	0.000	-.1207942	-.0361687
168	-.0659242	.0192854	-3.42	0.001	-.1039368	-.0279115
169	-.0903901	.0252836	-3.58	0.000	-.1402255	-.0405547
170	-.0954964	.0266555	-3.58	0.000	-.1480359	-.0429568
171	-.0771072	.0204402	-3.77	0.000	-.117396	-.0368184
172	-.0676253	.0190111	-3.56	0.000	-.1050974	-.0301533
173	-.0496099	.0138779	-3.57	0.000	-.0769641	-.0222558
174	-.0881404	.022552	-3.91	0.000	-.1325917	-.043689
175	-.08848	.0224673	-3.94	0.000	-.1327643	-.0441956
176	-.0905535	.0249865	-3.62	0.000	-.1398033	-.0413037
177	-.112486	.0298067	-3.77	0.000	-.1712369	-.0537352
178	-.1033798	.0261758	-3.95	0.000	-.1549739	-.0517857
179	-.1041481	.0273197	-3.81	0.000	-.157997	-.0502993
180	-.0981961	.0272003	-3.61	0.000	-.1518096	-.0445826
181	-.0878026	.025222	-3.48	0.001	-.1375167	-.0380884
182	-.0883915	.0232482	-3.80	0.000	-.1342151	-.0425679
183	-.0734588	.0208153	-3.53	0.001	-.1144869	-.0324306
184	-.0541423	.0171115	-3.16	0.002	-.0878701	-.0204145
185	-.0782586	.0221464	-3.53	0.001	-.1219103	-.0346068
186	-.0658318	.0179378	-3.67	0.000	-.1011883	-.0304752
187	-.0649122	.0178017	-3.65	0.000	-.1000005	-.0298239
188	-.1065436	.0263512	-4.04	0.000	-.1584833	-.0546039
189	-.0952058	.0237904	-4.00	0.000	-.1420981	-.0483135
190	-.0846565	.0205437	-4.12	0.000	-.1251493	-.0441636
191	-.0747505	.0193552	-3.86	0.000	-.1129007	-.0366003
192	-.0522961	.0133155	-3.93	0.000	-.0785417	-.0260504
193	-.0314326	.0093113	-3.38	0.001	-.0497857	-.0130795
194	.0147218	.0064505	2.28	0.023	.0020075	.0274361
195	0	(omitted)				
196	.0900672	.0348216	2.59	0.010	.0214317	.1587027
197	.0964533	.0340342	2.83	0.005	.0293699	.1635366
198	.0501236	.0249547	2.01	0.046	.0009364	.0993107
199	.0586106	.0245245	2.39	0.018	.0102713	.1069499
200	.0451997	.0230804	1.96	0.051	-.0002932	.0906925
201	.0355415	.020004	1.78	0.077	-.0038875	.0749706
202	.0392548	.0196931	1.99	0.047	.0004386	.078071
203	.065149	.0255264	2.55	0.011	.014835	.115463
204	.0805007	.0254581	3.16	0.002	.0303213	.1306802
205	.0894231	.0224964	3.98	0.000	.0450814	.1337648
206	.0722039	.0220523	3.27	0.001	.0287376	.1156703
207	.1235845	.0327859	3.77	0.000	.0589614	.1882075
208	.1097198	.0277709	3.95	0.000	.0549818	.1644578
209	.0728315	.0189904	3.84	0.000	.0354003	.1102627
210	.0630963	.0181731	3.47	0.001	.0272761	.0989165
211	.0607155	.0203972	2.98	0.003	.0205114	.1009196
212	.0430973	.0176947	2.44	0.016	.0082201	.0779745
213	.054117	.0184644	2.93	0.004	.0177226	.0905113
214	.023546	.0137384	1.71	0.088	-.0035333	.0506252
215	.0279387	.0133826	2.09	0.038	.0015608	.0543166
216	.0450986	.01727	2.61	0.010	.0110584	.0791388
217	.0314914	.0139405	2.26	0.025	.0040138	.058969
218	.0289511	.0110218	2.63	0.009	.0072266	.0506757
219	.0224024	.0131287	1.71	0.089	-.003475	.0482797
220	.0003631	.0088179	0.04	0.967	-.0170175	.0177436
221	-.0278682	.003719	-7.49	0.000	-.0351987	-.0205378
222	-.0261841	.0048797	-5.37	0.000	-.0358023	-.0165659
223	-.0126549	.0060573	-2.09	0.038	-.0245942	-.0007156
224	-.0069235	.0057987	-1.19	0.234	-.0183531	.0045061
225	-.0118178	.0054153	-2.18	0.030	-.0224916	-.001144
226	0	(omitted)				
_cons	.0513175	.0832575	0.62	0.538	-.1127879	.2154229

sigma_u	.02270727
sigma_e	.03458403
rho	.3012372 (fraction of variance due to u_i)

```
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.5302                                         min =          1
     Between = 0.3670                                         avg =       45.3
     Overall = 0.4950                                         max =         78

                                                F(80, 250)         =     248.40
corr(u_i, Xb) = 0.0268                          Prob > F           =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |   .0002164   .0004798     0.45   0.652    -.0007285    .0011612
             |
  pres_party |   -.077859      .0277    -2.81   0.005    -.1324141   -.0233039
  med_income |  -4.38e-08   7.83e-08    -0.56   0.576    -1.98e-07    1.10e-07
             |
       index |
         L1. |  -.0012282   .0008914    -1.38   0.169    -.0029838    .0005273
             |
   r_sim_n25 |
         L1. |   .0674026   .0239378     2.82   0.005     .0202571    .1145481
             |
        date |
         150 |  -.0032361   .0089053    -0.36   0.717    -.0207751    .0143029
         151 |   .0080568   .0103845     0.78   0.439    -.0123954     .028509
         152 |   .0044038   .0103047     0.43   0.669    -.0158912    .0246989
         153 |   .0089552   .0125817     0.71   0.477    -.0158244    .0337348
         154 |   .0036551   .0130546     0.28   0.780    -.0220559    .0293662
         155 |  -.0029583    .010918    -0.27   0.787    -.0244613    .0185447
         156 |  -.0840893   .0108002    -7.79   0.000    -.1053603   -.0628184
         157 |  -.0649121   .0070683    -9.18   0.000    -.0788332   -.0509911
         158 |  -.0689435   .0111895    -6.16   0.000    -.0909812   -.0469058
         159 |  -.0685671   .0102059    -6.72   0.000    -.0886676   -.0484665
         160 |  -.0637885   .0102171    -6.24   0.000    -.0839111   -.0436659
         161 |  -.0634264   .0141271    -4.49   0.000    -.0912497    -.035603
         162 |  -.0626322   .0138389    -4.53   0.000    -.0898879   -.0353765
         163 |   -.078785   .0134825    -5.84   0.000    -.1053387   -.0522313
         164 |   .0061884   .0138147     0.45   0.655    -.0210197    .0333965
         165 |   .0763838   .0237909     3.21   0.001     .0295277      .12324
         166 |   .0862514   .0251085     3.44   0.001     .0368003    .1357025
         167 |    .085755   .0227032     3.78   0.000     .0410411    .1304689
         168 |   .0774059   .0199106     3.89   0.000     .0381921    .1166198
         169 |   .0872694   .0268978     3.24   0.001     .0342942    .1402445
         170 |   .0884009   .0284912     3.10   0.002     .0322876    .1445142
         171 |   .0750348   .0210287     3.57   0.000     .0336189    .1164508
         172 |    .053767   .0203763     2.64   0.009     .0136358    .0938981
         173 |   .0547119   .0142028     3.85   0.000     .0267395    .0826842
         174 |   .0769618    .023815     3.23   0.001     .0300582    .1238653
         175 |   .0799988   .0235823     3.39   0.001     .0335536    .1264441
         176 |   .0729598   .0257122     2.84   0.005     .0223197       .1236
         177 |   .0847827   .0314617     2.69   0.008      .022819    .1467465
         178 |   .0799484    .027996     2.86   0.005     .0248103    .1350865
         179 |   .0802398   .0286611     2.80   0.006     .0237919    .1366877
         180 |   .0536883   .0278449     1.93   0.055    -.0011521    .1085288
         181 |   .0627774   .0255355     2.46   0.015     .0124853    .1130695
         182 |   .0605364   .0241828     2.50   0.013     .0129083    .1081645
         183 |   .0637553   .0216514     2.94   0.004     .0211129    .1063976
         184 |   .0527699   .0173963     3.03   0.003     .0185079    .0870319
         185 |     .06419   .0231311     2.78   0.006     .0186334    .1097467
         186 |   .0578332   .0190775     3.03   0.003     .0202601    .0954063
         187 |   .0473859   .0176571     2.68   0.008     .0126102    .0821616
         188 |   .0416683   .0263748     1.58   0.115    -.0102769    .0936135
         189 |   .0476457   .0239508     1.99   0.048     .0004747    .0948168
```

```
         190  |   .0420671   .0211965     1.98   0.048     .0003206    .0838136
         191  |   .0472773   .0201672     2.34   0.020     .0075579    .0869966
         192  |   .0322586    .013105     2.46   0.015     .0064484    .0580688
         193  |   .0289939   .0098965     2.93   0.004     .0095027     .048485
         194  |    .013041   .0066562     1.96   0.051    -.0000684    .0261504
         195  |          0  (omitted)
         196  |  -.1966213    .034214    -5.75   0.000    -.2640057   -.1292369
         197  |  -.1824407   .0350354    -5.21   0.000    -.2514429   -.1134385
         198  |  -.1743122   .0243176    -7.17   0.000    -.2222057   -.1264187
         199  |  -.1675925   .0247983    -6.76   0.000    -.2164326   -.1187523
         200  |  -.1714827   .0236475    -7.25   0.000    -.2180565   -.1249089
         201  |  -.1639403   .0197668    -8.29   0.000     -.202871   -.1250095
         202  |  -.1662559   .0195484    -8.50   0.000    -.2047563   -.1277554
         203  |  -.1792147   .0255474    -7.01   0.000    -.2295302   -.1288992
         204  |  -.0770641   .0240234    -3.21   0.002    -.1243782   -.0297501
         205  |  -.0749108   .0215451    -3.48   0.001    -.1173438   -.0324778
         206  |  -.0803001   .0207256    -3.87   0.000     -.121119   -.0394811
         207  |  -.0846219   .0319442    -2.65   0.009    -.1475359    -.021708
         208  |  -.0957851   .0275513    -3.48   0.001    -.1500473   -.0415228
         209  |  -.0756713   .0176098    -4.30   0.000    -.1103537   -.0409889
         210  |  -.0789097   .0164734    -4.79   0.000     -.111354   -.0464653
         211  |  -.0703506   .0194796    -3.61   0.000    -.1087156   -.0319856
         212  |   -.056551   .0168572    -3.35   0.001    -.0897512   -.0233509
         213  |  -.0486605   .0172819    -2.82   0.005    -.0826972   -.0146238
         214  |  -.0384355   .0118661    -3.24   0.001    -.0618057   -.0150653
         215  |  -.0350853   .0118227    -2.97   0.003      -.05837   -.0118005
         216  |  -.0436262   .0160091    -2.73   0.007     -.075156   -.0120963
         217  |  -.0346812   .0119586    -2.90   0.004    -.0582337   -.0111288
         218  |  -.0366565   .0099724    -3.68   0.000    -.0562971    -.017016
         219  |  -.0433117    .011213    -3.86   0.000    -.0653958   -.0212277
         220  |  -.0252182   .0093882    -2.69   0.008    -.0437082   -.0067283
         221  |  -.0035385   .0029731    -1.19   0.235    -.0093941    .0023171
         222  |  -.0055859   .0038957    -1.43   0.153    -.0132584    .0020866
         223  |  -.0035615    .004257    -0.84   0.404    -.0119456    .0048227
         224  |  -.0092802   .0042415    -2.19   0.030    -.0176339   -.0009265
         225  |  -.0004368   .0032465    -0.13   0.893    -.0068307    .0059572
         226  |          0  (omitted)
              |
       _cons  |   .4718624   .0867078     5.44   0.000     .3010915    .6426333
--------------+----------------------------------------------------------------
     sigma_u  |  .02168275
     sigma_e  |  .04218876
         rho  |  .20894881   (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  = 0.1584                                         min =          1
     Between = 0.0936                                         avg =       37.6
     Overall = 0.1304                                         max =         78

                                                F(24, 215)        =      78.53
corr(u_i, Xb) = 0.0135                          Prob > F          =     0.0000

                    (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  d_sim_n25  | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0003684   .0004436    -0.83   0.407    -.0012429     .000506
  pres_party |  -.0043638   .0074416    -0.59   0.558    -.0190316     .010304
  med_income |  -1.64e-08   7.71e-08    -0.21   0.832    -1.68e-07    1.36e-07
       index |   .0000511    .000142     0.36   0.719    -.0002288     .000331
             |
  d_sim_n25  |
         L1. |   .0145141   .0257083     0.56   0.573    -.0361585    .0651866
             |
        year |
        1998 |   .0056847   .0030676     1.85   0.065    -.0003616    .0117311
        1999 |  -.0500359   .0026992   -18.54   0.000    -.0553562   -.0447156
```

```
       2000  |  -.0409326   .0036601   -11.18   0.000    -.0481469   -.0337182
       2001  |  -.0130273   .0083624    -1.56   0.121    -.0295101    .0034556
       2002  |  -.0124391   .0087754    -1.42   0.158     -.029736    .0048577
       2003  |  -.0194384   .0090171    -2.16   0.032    -.0372116   -.0016653
       2004  |   -.016931   .0083959    -2.02   0.045    -.0334799   -.0003821
       2005  |  -.0120305   .0094574    -1.27   0.205    -.0306716    .0066106
       2006  |  -.0137496   .0091233    -1.51   0.133    -.0317321     .004233
       2007  |  -.0216171   .0097996    -2.21   0.028    -.0409327   -.0023016
       2008  |  -.0213149   .0104633    -2.04   0.043    -.0419387    -.000691
       2009  |  -.0457289   .0057619    -7.94   0.000     -.057086   -.0343718
       2010  |  -.0463133   .0051771    -8.95   0.000    -.0565177   -.0361089
       2011  |  -.0081634   .0061117    -1.34   0.183      -.02021    .0038832
       2012  |  -.0082522    .004525    -1.82   0.070    -.0171712    .0006668
       2013  |  -.0258202   .0041574    -6.21   0.000    -.0340147   -.0176257
       2014  |  -.0259751   .0040685    -6.38   0.000    -.0339944   -.0179558
       2015  |  -.0354825   .0029157   -12.17   0.000    -.0412296   -.0297354
       2016  |  -.0269412   .0034676    -7.77   0.000     -.033776   -.0201063
             |
       _cons |   .3866756   .0199794    19.35   0.000     .3472949    .4260562
-------------+----------------------------------------------------------------
     sigma_u |  .02279984
     sigma_e |  .03476189
         rho |  .30079053   (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  = 0.5249                                         min =          1
     Between = 0.3610                                         avg =       45.3
     Overall = 0.4893                                         max =         78

                                                F(24, 250)        =     437.69
corr(u_i, Xb) = 0.0248                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |   -.000751   .0006157    -1.22   0.224    -.0019636    .0004615
  pres_party |   .0144558   .0116789     1.24   0.217    -.0085458    .0374573
  med_income |  -4.32e-08   7.69e-08    -0.56   0.575    -1.95e-07    1.08e-07
       index |  -.0000391   .0001499    -0.26   0.794    -.0003344    .0002561
             |
   r_sim_n25 |
         L1. |   .0664576   .0232688     2.86   0.005     .0206298    .1122855
             |
        year |
        1998 |  -.0013287   .0033251    -0.40   0.690    -.0078774      .00522
        1999 |  -.0748371    .002701   -27.71   0.000    -.0801568   -.0695174
        2000 |   -.073887   .0036307   -20.35   0.000    -.0810377   -.0667362
        2001 |   .0030824   .0117301     0.26   0.793    -.0200201    .0261849
        2002 |   .0048239   .0115921     0.42   0.678    -.0180068    .0276546
        2003 |  -.0042486   .0123814    -0.34   0.732    -.0286338    .0201366
        2004 |  -.0042459   .0117815    -0.36   0.719    -.0274496    .0189577
        2005 |  -.0185395   .0128168    -1.45   0.149    -.0437821    .0067031
        2006 |    -.01586   .0123867    -1.28   0.202    -.0402556    .0085356
        2007 |  -.0325588   .0133699    -2.44   0.016    -.0588908   -.0062269
        2008 |  -.0320528   .0133771    -2.40   0.017    -.0583991   -.0057066
        2009 |  -.1286987   .0065953   -19.51   0.000     -.141688   -.1157093
        2010 |  -.1292003   .0060915   -21.21   0.000    -.1411975    -.117203
        2011 |  -.0367939   .0061773    -5.96   0.000    -.0489601   -.0246278
        2012 |  -.0441847   .0047778    -9.25   0.000    -.0535946   -.0347749
        2013 |  -.0146855   .0041927    -3.50   0.001    -.0229429   -.0064281
        2014 |  -.0126204     .00377    -3.35   0.001    -.0200454   -.0051955
        2015 |   .0037046   .0030186     1.23   0.221    -.0022406    .0096498
        2016 |   .0082682   .0033409     2.47   0.014     .0016883    .0148482
             |
       _cons |   .3563414   .0214288    16.63   0.000     .3141373    .3985454
-------------+----------------------------------------------------------------
```

```
     sigma_u |  .02177358
     sigma_e |  .04231871
         rho |  .20931425   (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  = 0.1584                                         min =          1
     Between = 0.0925                                         avg =       37.6
     Overall = 0.1299                                         max =         78

                                                F(24, 215)        =      78.60
corr(u_i, Xb) = 0.0122                          Prob > F          =     0.0000

                      (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   d_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |   -.000197   .0004394    -0.45   0.654     -.001063     .000669
             |
  pres_party |  -.0042107     .00741    -0.57   0.570    -.0188162    .0103947
  med_income |  -1.57e-08   7.69e-08    -0.20   0.838    -1.67e-07    1.36e-07
       index |     .00005   .0001416     0.35   0.724    -.0002291     .000329
             |
   d_sim_n25 |
         L1. |   .0143875   .0257597     0.56   0.577    -.0363865    .0651614
             |
        year |
        1998 |   .0055985   .0030593     1.83   0.069    -.0004315    .0116286
        1999 |  -.0499818   .0026865   -18.61   0.000     -.055277   -.0446867
        2000 |  -.0408935   .0035965   -11.37   0.000    -.0479823   -.0338046
        2001 |  -.0133113   .0084046    -1.58   0.115    -.0298773    .0032548
        2002 |  -.0128989   .0088883    -1.45   0.148    -.0304182    .0046204
        2003 |  -.0198678   .0091502    -2.17   0.031    -.0379035   -.0018322
        2004 |  -.0173214   .0084677    -2.05   0.042    -.0340117   -.0006311
        2005 |  -.0122959   .0095103    -1.29   0.197    -.0310412    .0064494
        2006 |  -.0140158   .0091572    -1.53   0.127    -.0320653    .0040336
        2007 |  -.0218745   .0098502    -2.22   0.027    -.0412899   -.0024592
        2008 |  -.0218635   .0106503    -2.05   0.041    -.0428558   -.0008712
        2009 |  -.0467227   .0059615    -7.84   0.000    -.0584731   -.0349723
        2010 |  -.0472817   .0053075    -8.91   0.000    -.0577431   -.0368203
        2011 |  -.0089377   .0062608    -1.43   0.155     -.021278    .0034026
        2012 |  -.0089587   .0046274    -1.94   0.054    -.0180795    .0001622
        2013 |  -.0263267    .004294    -6.13   0.000    -.0347904   -.0178629
        2014 |  -.0263368   .0041461    -6.35   0.000     -.034509   -.0181645
        2015 |  -.0356269   .0029547   -12.06   0.000    -.0414509   -.0298029
        2016 |  -.0271077   .0035214    -7.70   0.000    -.0340486   -.0201669
             |
       _cons |   .3860745   .0199567    19.35   0.000     .3467387    .4254103
-------------+----------------------------------------------------------------
     sigma_u |  .02281268
     sigma_e |  .03476334
         rho |  .30100985   (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  = 0.5248                                         min =          1
     Between = 0.3640                                         avg =       45.3
     Overall = 0.4895                                         max =         78

                                                F(24, 250)        =     464.83
corr(u_i, Xb) = 0.0262                          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.	.0003677	.0005193	0.71	0.480	-.000655	.0013904
pres_party	.0137561	.0113578	1.21	0.227	-.0086132	.0361253
med_income	-4.20e-08	7.66e-08	-0.55	0.584	-1.93e-07	1.09e-07
index	-.0000517	.0001511	-0.34	0.732	-.0003494	.0002459
r_sim_n25						
L1.	.067159	.0230545	2.91	0.004	.0217532	.1125649
year						
1998	-.0011325	.0033081	-0.34	0.732	-.0076479	.0053828
1999	-.0741721	.0024612	-30.14	0.000	-.0790194	-.0693248
2000	-.0729474	.0034562	-21.11	0.000	-.0797544	-.0661404
2001	.00368	.011466	0.32	0.749	-.0189023	.0262623
2002	.0043935	.0117546	0.37	0.709	-.0187572	.0275443
2003	-.0048592	.0126253	-0.38	0.701	-.0297246	.0200063
2004	-.0044911	.0118528	-0.38	0.705	-.0278352	.018853
2005	-.0183488	.0127204	-1.44	0.150	-.0434016	.006704
2006	-.0153627	.0121532	-1.26	0.207	-.0392984	.008573
2007	-.0319029	.0130672	-2.44	0.015	-.0576388	-.0061671
2008	-.0327347	.0136778	-2.39	0.017	-.059673	-.0057964
2009	-.1341441	.0078686	-17.05	0.000	-.1496413	-.118647
2010	-.1351477	.0076344	-17.70	0.000	-.1501836	-.1201118
2011	-.0418163	.0072277	-5.79	0.000	-.0560514	-.0275813
2012	-.0482679	.0055586	-8.68	0.000	-.0592157	-.0373201
2013	-.0178205	.0048292	-3.69	0.000	-.0273317	-.0083094
2014	-.0146514	.0041924	-3.49	0.001	-.0229084	-.0063944
2015	.0028908	.0031311	0.92	0.357	-.0032759	.0090575
2016	.0076736	.003403	2.25	0.025	.0009714	.0143759
_cons	.351962	.0202095	17.42	0.000	.3121595	.3917645

sigma_u	.02172182
sigma_e	.04232454
rho	.20848199 (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:
Within = 0.1586
Between = 0.0937
Overall = 0.1305

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

F(24, 215) = 78.75
corr(u_i, Xb) = 0.0135 — 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	-.0004145	.0004496	-0.92	0.358	-.0013008	.0004717
pres_party	-.0064807	.0078584	-0.82	0.410	-.0219701	.0090087
med_income	-1.79e-08	7.70e-08	-0.23	0.817	-1.70e-07	1.34e-07
index						
L1.	-.0001407	.0001101	-1.28	0.203	-.0003578	.0000764
d_sim_n25						
L1.	.0143788	.0256918	0.56	0.576	-.0362613	.0650188
year						
1998	.0062357	.0031238	2.00	0.047	.0000785	.0123929
1999	-.0496132	.0027408	-18.10	0.000	-.0550155	-.0442109

```
        2000  |  -.0400325   .0037062   -10.80   0.000    -.0473375   -.0327274
        2001  |  -.0134436   .0078359    -1.72   0.088    -.0288887    .0020015
        2002  |  -.0127301     .00851    -1.50   0.136    -.0295037    .0040436
        2003  |  -.0204011   .0085615    -2.38   0.018    -.0372763   -.0035259
        2004  |  -.0163565   .0083751    -1.95   0.052    -.0328643    .0001512
        2005  |   -.012416   .0089561    -1.39   0.167     -.030069    .0052371
        2006  |  -.0150427   .0085948    -1.75   0.082    -.0319835    .0018981
        2007  |  -.0224843    .009066    -2.48   0.014    -.0403539   -.0046148
        2008  |  -.0258235   .0085807    -3.01   0.003    -.0427365   -.0089105
        2009  |  -.0528036   .0049622   -10.64   0.000    -.0625845   -.0430228
        2010  |  -.0520453    .004733   -11.00   0.000    -.0613742   -.0427163
        2011  |  -.0147339   .0043914    -3.36   0.001    -.0233896   -.0060781
        2012  |  -.0137909   .0044857    -3.07   0.002    -.0226325   -.0049493
        2013  |   -.030153    .003239    -9.31   0.000    -.0365373   -.0237688
        2014  |   -.030089   .0037325    -8.06   0.000    -.0374459    -.022732
        2015  |   -.037417   .0025539   -14.65   0.000    -.0424508   -.0323831
        2016  |  -.0291291   .0032212    -9.04   0.000    -.0354783   -.0227798
              |
        _cons |   .4067979   .0160551    25.34   0.000     .3751524    .4384434
--------------+----------------------------------------------------------------
     sigma_u  |  .02279846
     sigma_e  |  .03475869
          rho |  .30080387   (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  = 0.5249                                         min =          1
     Between = 0.3616                                         avg =       45.3
     Overall = 0.4894                                         max =         78

                                                F(24, 250)        =     442.65
corr(u_i, Xb) = 0.0250                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0007367   .0006145    -1.20   0.232    -.0019469    .0004736
  pres_party |   .0153337   .0120011     1.28   0.203    -.0083024    .0389698
  med_income |  -4.44e-08   7.69e-08    -0.58   0.564    -1.96e-07    1.07e-07
             |
       index |
         L1. |   .0000564   .0001149     0.49   0.624    -.0001698    .0002826
             |
   r_sim_n25 |
         L1. |   .0668846    .023015     2.91   0.004     .0215566    .1122125
             |
        year |
        1998 |    -.00156    .003322    -0.47   0.639    -.0081026    .0049827
        1999 |  -.0749966   .0027724   -27.05   0.000    -.0804567   -.0695364
        2000 |   -.074288   .0036496   -20.35   0.000    -.0814759      -.0671
        2001 |   .0035221   .0112851     0.31   0.755     -.018704    .0257482
        2002 |   .0051647   .0114359     0.45   0.652    -.0173583    .0276877
        2003 |  -.0035968     .01201    -0.30   0.765    -.0272506     .020057
        2004 |  -.0043367   .0117715    -0.37   0.713    -.0275207    .0188472
        2005 |  -.0180939   .0123879    -1.46   0.145    -.0424919    .0063042
        2006 |  -.0150324   .0119683    -1.26   0.210    -.0386039    .0085391
        2007 |   -.031859   .0127473    -2.50   0.013    -.0569647   -.0067533
        2008 |  -.0295039   .0118033    -2.50   0.013    -.0527505   -.0062572
        2009 |  -.1250932   .0058701   -21.31   0.000    -.1366544    -.113532
        2010 |  -.1262166   .0053273   -23.69   0.000    -.1367088   -.1157244
        2011 |  -.0334025   .0052836    -6.32   0.000    -.0438086   -.0229964
        2012 |  -.0414025   .0048648    -8.51   0.000    -.0509838   -.0318213
        2013 |  -.0124602   .0040039    -3.11   0.002    -.0203459   -.0045744
        2014 |  -.0105551     .00389    -2.71   0.007    -.0182164   -.0028938
        2015 |   .0047085   .0030734     1.53   0.127    -.0013445    .0107615
        2016 |   .0093849   .0034097     2.75   0.006     .0026696    .0161003
             |
```

```
       _cons |   .3462927   .0154349    22.44   0.000     .3158937    .3766916
-------------+----------------------------------------------------------------
     sigma_u |  .02176361
     sigma_e |  .04231844
         rho |  .20916488   (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  = 0.1585                                         min =          1
     Between = 0.0922                                         avg =       37.6
     Overall = 0.1298                                         max =         78

                                                F(24, 215)        =      78.73
corr(u_i, Xb) = 0.0117                          Prob > F          =     0.0000

                    (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  d_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
      unemp |
        L1. |  -.0001635   .0004437    -0.37   0.713     -.001038    .0007111
            |
 pres_party |  -.0061352   .0078746    -0.78   0.437    -.0216564    .0093861
 med_income |  -1.71e-08   7.68e-08    -0.22   0.824    -1.69e-07    1.34e-07
            |
      index |
        L1. |  -.0001247   .0001096    -1.14   0.256    -.0003407    .0000913
            |
  d_sim_n25 |
        L1. |   .0142711   .0257482     0.55   0.580    -.0364801    .0650222
            |
       year |
       1998 |   .0061135    .003121     1.96   0.051    -.0000381    .0122651
       1999 |  -.0495448    .002741   -18.08   0.000    -.0549475   -.0441422
       2000 |  -.0400009   .0036595   -10.93   0.000     -.047214   -.0327878
       2001 |  -.0136762   .0078544    -1.74   0.083    -.0291576    .0018053
       2002 |  -.0132228   .0085861    -1.54   0.125    -.0301466     .003701
       2003 |  -.0208145   .0086473    -2.41   0.017    -.0378588   -.0037702
       2004 |  -.0168513   .0084388    -2.00   0.047    -.0334847   -.0002179
       2005 |  -.0126758   .0089848    -1.41   0.160    -.0303855    .0050338
       2006 |   -.015183   .0085836    -1.77   0.078    -.0321019    .0017358
       2007 |  -.0226664   .0090822    -2.50   0.013     -.040568   -.0047648
       2008 |   -.026032   .0086098    -3.02   0.003    -.0430024   -.0090617
       2009 |  -.0534719   .0048685   -10.98   0.000     -.063068   -.0438757
       2010 |  -.0528599   .0046496   -11.37   0.000    -.0620244   -.0436953
       2011 |  -.0152358   .0043401    -3.51   0.001    -.0237904   -.0066811
       2012 |  -.0142461   .0044386    -3.21   0.002    -.0229948   -.0054974
       2013 |  -.0304724    .003252    -9.37   0.000    -.0368824   -.0240625
       2014 |  -.0301958   .0037279    -8.10   0.000    -.0375437   -.0228478
       2015 |   -.037426   .0025524   -14.66   0.000    -.0424569    -.032395
       2016 |  -.0291085     .00322    -9.04   0.000    -.0354552   -.0227617
            |
       _cons |   .4040218   .0159804    25.28   0.000     .3725236    .4355201
-------------+----------------------------------------------------------------
     sigma_u |  .02281596
     sigma_e |  .03476086
         rho |  .30110033   (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  = 0.5248                                         min =          1
     Between = 0.3648                                         avg =       45.3
     Overall = 0.4896                                         max =         78
```

```
                                                F(24, 250)        =     462.70
corr(u_i, Xb) = 0.0264                          Prob > F          =     0.0000

                      (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  r_sim_n25 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |   .0003513   .0005172     0.68   0.498    -.0006674      .00137
             |
  pres_party |   .0149266   .0117868     1.27   0.207    -.0082875    .0381407
  med_income |  -4.36e-08   7.67e-08    -0.57   0.570    -1.95e-07    1.08e-07
             |
       index |
         L1. |   .0000734   .0001165     0.63   0.529    -.0001559    .0003028
             |
   r_sim_n25 |
         L1. |   .0676907   .0227747     2.97   0.003     .0228359    .1125455
             |
        year |
        1998 |  -.0014423   .0032946    -0.44   0.662    -.0079309    .0050463
        1999 |  -.0744024   .0025476   -29.21   0.000    -.0794199    -.069385
        2000 |  -.0735027   .0034583   -21.25   0.000    -.0803138   -.0666917
        2001 |   .0042319   .0109498     0.39   0.699    -.0173338    .0257976
        2002 |   .0048484   .0115256     0.42   0.674    -.0178512     .027548
        2003 |  -.0039921   .0121504    -0.33   0.743    -.0279222    .0199381
        2004 |  -.0046054   .0118329    -0.39   0.697    -.0279101    .0186994
        2005 |  -.0177744   .0122159    -1.46   0.147    -.0418337    .0062848
        2006 |  -.0143008   .0116234    -1.23   0.220     -.037193    .0085915
        2007 |   -.031012   .0123394    -2.51   0.013    -.0553145   -.0067095
        2008 |  -.0293888   .0117319    -2.51   0.013    -.0524946   -.0062829
        2009 |  -.1292688   .0060786   -21.27   0.000    -.1412406   -.1172971
        2010 |  -.1310656   .0058494   -22.41   0.000    -.1425859   -.1195453
        2011 |  -.0372287   .0053625    -6.94   0.000    -.0477901   -.0266673
        2012 |  -.0445076   .0048364    -9.20   0.000    -.0540329   -.0349823
        2013 |  -.0148155   .0040593    -3.65   0.000    -.0228102   -.0068207
        2014 |  -.0118913   .0039255    -3.03   0.003    -.0196225     -.00416
        2015 |   .0042272   .0030836     1.37   0.172    -.0018459    .0103003
        2016 |   .0091489   .0033974     2.69   0.008     .0024577    .0158401
             |
       _cons |   .3389772   .0144132    23.52   0.000     .3105905     .367364
-------------+----------------------------------------------------------------
     sigma_u |  .02171052
     sigma_e |  .04232408
         rho |  .20831392   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1807                                         min =          1
     Between = 0.1851                                         avg =       37.6
     Overall = 0.1576                                         max =         78

                                                F(80, 215)        =      94.57
corr(u_i, Xb) = 0.0231                          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	-.0002314	.0004337	-0.53	0.594	-.0010862	.0006233
pres_party	.0474599	.0196498	2.42	0.017	.0087289	.0861909
med_income	-3.79e-08	8.38e-08	-0.45	0.652	-2.03e-07	1.27e-07
index	.0016481	.0004399	3.75	0.000	.000781	.0025152
d_sim_n50						
L1.	.0367755	.0275541	1.33	0.183	-.0175353	.0910863
date						
150	-.0114716	.0056322	-2.04	0.043	-.022573	-.0003702
151	-.0030953	.0041124	-0.75	0.452	-.0112012	.0050105
152	-.0029077	.0054455	-0.53	0.594	-.0136412	.0078258
153	-.0051432	.0045169	-1.14	0.256	-.0140462	.0037599
154	.0137587	.0047252	2.91	0.004	.0044452	.0230723
155	.002077	.0049056	0.42	0.672	-.0075923	.0117463
156	-.0500645	.0068782	-7.28	0.000	-.0636219	-.0365071
157	-.0558737	.0036701	-15.22	0.000	-.0631078	-.0486396
158	-.0608542	.0055897	-10.89	0.000	-.0718718	-.0498366
159	-.0493753	.0047368	-10.42	0.000	-.0587118	-.0400388
160	-.0519467	.0069609	-7.46	0.000	-.065667	-.0382264
161	-.0491918	.0060459	-8.14	0.000	-.0611086	-.037275
162	-.0411809	.0065603	-6.28	0.000	-.0541116	-.0282502
163	-.0421065	.0071865	-5.86	0.000	-.0562714	-.0279415
164	.0040772	.0095269	0.43	0.669	-.014701	.0228553
165	-.032543	.0149287	-2.18	0.030	-.0619683	-.0031177
166	-.0476347	.01543	-3.09	0.002	-.0780481	-.0172214
167	-.0327471	.0135573	-2.42	0.017	-.0594694	-.0060249
168	-.0459233	.0172867	-2.66	0.008	-.0799965	-.0118502
169	-.0453036	.0169775	-2.67	0.008	-.0787673	-.0118399
170	-.0339431	.015122	-2.24	0.026	-.0637494	-.0041368
171	-.0430811	.0132586	-3.25	0.001	-.0692145	-.0169477
172	-.0158801	.0143894	-1.10	0.271	-.0442424	.0124822
173	-.0270156	.0143737	-1.88	0.062	-.0553471	.0013159
174	-.037079	.0154604	-2.40	0.017	-.0675523	-.0066057
175	-.0394188	.0165751	-2.38	0.018	-.0720892	-.0067483
176	-.0442824	.0195204	-2.27	0.024	-.0827583	-.0058066
177	-.0366203	.0170536	-2.15	0.033	-.0702339	-.0030067
178	-.046899	.0185185	-2.53	0.012	-.0834001	-.0103979
179	-.0322871	.0172659	-1.87	0.063	-.0663192	.0017451
180	-.0550784	.018656	-2.95	0.004	-.0918505	-.0183064
181	-.0410137	.0147786	-2.78	0.006	-.0701432	-.0118842
182	-.0477621	.0148517	-3.22	0.002	-.0770356	-.0184885
183	-.0349103	.0126403	-2.76	0.006	-.059825	-.0099956
184	-.044406	.0155984	-2.85	0.005	-.0751514	-.0136605
185	-.0359046	.0132064	-2.72	0.007	-.0619351	-.009874
186	-.0411103	.0134404	-3.06	0.003	-.0676021	-.0146185
187	-.0507827	.0165205	-3.07	0.002	-.0833455	-.0182199
188	-.0665108	.0181421	-3.67	0.000	-.10227	-.0307516
189	-.0465482	.0136579	-3.41	0.001	-.0734686	-.0196277
190	-.0504991	.0143292	-3.52	0.001	-.0787427	-.0222554
191	-.0341745	.0104877	-3.26	0.001	-.0548464	-.0135025
192	-.0286745	.0093854	-3.06	0.003	-.0471737	-.0101753
193	-.0003516	.0050364	-0.07	0.944	-.0102786	.0095754
194	-.0142068	.0058683	-2.42	0.016	-.0257734	-.0026401
195	0	(omitted)				
196	.0678527	.0203989	3.33	0.001	.0276452	.1080602
197	.0587861	.0149348	3.94	0.000	.0293486	.0882235
198	.0487879	.0144591	3.37	0.001	.0202882	.0772876
199	.0527953	.0135605	3.89	0.000	.0260667	.0795239
200	.0436448	.0119213	3.66	0.000	.0201472	.0671423
201	.0470406	.0121525	3.87	0.000	.0230873	.0709939
202	.0630449	.0137181	4.60	0.000	.0360057	.0900842
203	.0570197	.0141603	4.03	0.000	.0291089	.0849305
204	.0439241	.0164926	2.66	0.008	.0114162	.0764321
205	.0602099	.0143293	4.20	0.000	.0319659	.0884538
206	.0598208	.0182077	3.29	0.001	.0239324	.0957092
207	.0600347	.0159964	3.75	0.000	.0285048	.0915647

```
        208  |   .0481072   .0111058     4.33   0.000      .026217    .0699974
        209  |    .045341   .0111155     4.08   0.000     .0234317    .0672503
        210  |   .0382695    .011502     3.33   0.001     .0155983    .0609406
        211  |   .0251804   .0119348     2.11   0.036     .0016562    .0487046
        212  |   .0192856   .0131573     1.47   0.144    -.0066482    .0452194
        213  |   .0148931   .0094989     1.57   0.118    -.0038299     .033616
        214  |  -.0016047   .0091872    -0.17   0.862    -.0197132    .0165038
        215  |   .0134917   .0104412     1.29   0.198    -.0070885    .0340718
        216  |   .0053092   .0087767     0.60   0.546    -.0119901    .0226085
        217  |   .0043802   .0081053     0.54   0.589    -.0115958    .0203562
        218  |    .007622   .0065898     1.16   0.249     -.005367    .0206109
        219  |  -.0108115   .0079211    -1.36   0.174    -.0264246    .0048015
        220  |  -.0230041   .0063952    -3.60   0.000    -.0356095   -.0103987
        221  |  -.0263041   .0044638    -5.89   0.000    -.0351026   -.0175056
        222  |  -.0259494   .0060063    -4.32   0.000    -.0377882   -.0141106
        223  |  -.0214718   .0051411    -4.18   0.000    -.0316052   -.0113385
        224  |  -.0173422    .005016    -3.46   0.001    -.0272292   -.0074553
        225  |  -.0223694   .0045754    -4.89   0.000    -.0313878    -.013351
        226  |           0  (omitted)
             |
       _cons |   .2111982   .0442565     4.77   0.000     .1239659    .2984305
-------------+----------------------------------------------------------------
     sigma_u |  .02124009
     sigma_e |  .03509652
         rho |  .26807268   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.3041                                         min =          1
     Between = 0.1767                                         avg =       45.3
     Overall = 0.2711                                         max =         78

                                                F(80, 250)        =     256.32
corr(u_i, Xb) = 0.0182                          Prob > F          =     0.0000

                      (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |   .0000102   .0005252     0.02   0.985    -.0010242    .0010446
  pres_party |  -.0848878   .0178206    -4.76   0.000    -.1199854   -.0497902
  med_income |   1.03e-08   7.48e-08     0.14   0.890    -1.37e-07    1.58e-07
       index |   -.000909   .0004603    -1.97   0.049    -.0018155   -2.50e-06
             |
   r_sim_n50 |
         L1. |   .0440462   .0253196     1.74   0.083    -.0058207    .0939131
             |
        date |
         150 |  -.0040104   .0067648    -0.59   0.554    -.0173337    .0093129
         151 |   .0028818   .0058678     0.49   0.624    -.0086749    .0144386
         152 |   .0001646   .0074118     0.02   0.982    -.0144329    .0147621
         153 |   .0015545   .0070533     0.22   0.826    -.0123371     .015446
         154 |  -.0096995   .0070488    -1.38   0.170     -.023582    .0041831
         155 |  -.0101771   .0070238    -1.45   0.149    -.0240105    .0036564
         156 |  -.0644554    .011495    -5.61   0.000    -.0870947   -.0418161
         157 |  -.0562115   .0034387   -16.35   0.000    -.0629839   -.0494391
         158 |  -.0564597    .006757    -8.36   0.000    -.0697677   -.0431517
         159 |   -.057465   .0059485    -9.66   0.000    -.0691805   -.0457496
         160 |  -.0483339    .008111    -5.96   0.000    -.0643084   -.0323593
         161 |   -.052489   .0076573    -6.85   0.000      -.06757    -.037408
         162 |  -.0524435   .0082585    -6.35   0.000    -.0687086   -.0361784
         163 |  -.0691608    .008426    -8.21   0.000    -.0857558   -.0525658
         164 |  -.0640686   .0106955    -5.99   0.000    -.0851334   -.0430038
         165 |   .0316669   .0147175     2.15   0.032     .0026808     .060653
         166 |    .040789   .0156622     2.60   0.010     .0099424    .0716356
         167 |   .0390356    .013896     2.81   0.005     .0116674    .0664038
```

```
         168  |   .0398156   .0174339     2.28   0.023     .0054795    .0741517
         169  |   .0422785    .018209     2.32   0.021      .006416     .078141
         170  |   .0333804   .0158418     2.11   0.036       .00218    .0645808
         171  |   .0358149   .0135766     2.64   0.009     .0090758     .062554
         172  |    .083932   .0140161     5.99   0.000     .0563273    .1115367
         173  |   .0943706   .0146346     6.45   0.000     .0655478    .1231934
         174  |   .1049024   .0162965     6.44   0.000     .0728065    .1369983
         175  |   .1093599   .0172782     6.33   0.000     .0753305    .1433893
         176  |   .1066722   .0197876     5.39   0.000     .0677006    .1456438
         177  |   .1030756   .0181981     5.66   0.000     .0672345    .1389166
         178  |    .105708   .0196731     5.37   0.000     .0669618    .1444542
         179  |   .1036762   .0176362     5.88   0.000     .0689416    .1384107
         180  |   .0538381   .0196621     2.74   0.007     .0151137    .0925625
         181  |   .0571094   .0147196     3.88   0.000     .0281191    .0860997
         182  |   .0636264   .0152899     4.16   0.000     .0335131    .0937398
         183  |   .0642004   .0129355     4.96   0.000     .0387239    .0896768
         184  |    .062415   .0156775     3.98   0.000     .0315382    .0932917
         185  |   .0619201   .0138497     4.47   0.000     .0346432    .0891971
         186  |   .0621268   .0143317     4.33   0.000     .0339006    .0903529
         187  |   .0650304    .017107     3.80   0.000     .0313383    .0987225
         188  |   .0301204   .0182758     1.65   0.101    -.0058737    .0661144
         189  |   .0305609    .012829     2.38   0.018     .0052943    .0558275
         190  |   .0307736   .0143431     2.15   0.033     .0025249    .0590223
         191  |   .0335456    .010619     3.16   0.002     .0126315    .0544596
         192  |   .0192907   .0084269     2.29   0.023      .002694    .0358875
         193  |   .0087722   .0044786     1.96   0.051    -.0000483    .0175927
         194  |   .0094511    .006033     1.57   0.118    -.0024309    .0213331
         195  |           0  (omitted)
         196  |  -.0823839   .0191845    -4.29   0.000    -.1201677   -.0446001
         197  |  -.0692438   .0147143    -4.71   0.000    -.0982237    -.040264
         198  |   -.070271   .0127817    -5.50   0.000    -.0954446   -.0450974
         199  |  -.0636818   .0121631    -5.24   0.000     -.087637   -.0397266
         200  |  -.0621483   .0108864    -5.71   0.000    -.0835891   -.0407075
         201  |  -.0640151   .0103501    -6.18   0.000    -.0843996   -.0436305
         202  |   -.071535   .0124208    -5.76   0.000    -.0959978   -.0470723
         203  |  -.0762932   .0134327    -5.68   0.000     -.102749   -.0498374
         204  |  -.0187649   .0134405    -1.40   0.164    -.0452359    .0077061
         205  |  -.0132686   .0127956    -1.04   0.301    -.0384696    .0119324
         206  |  -.0267282   .0164453    -1.63   0.105    -.0591172    .0056608
         207  |   -.015143   .0141431    -1.07   0.285    -.0429977    .0127117
         208  |  -.0148662   .0098584    -1.51   0.133    -.0342823    .0045498
         209  |  -.0106827   .0090269    -1.18   0.238    -.0284611    .0070957
         210  |  -.0154666   .0092992    -1.66   0.098    -.0337813    .0028481
         211  |  -.0032839   .0098824    -0.33   0.740    -.0227473    .0161795
         212  |  -.0510457   .0118727    -4.30   0.000     -.074429   -.0276625
         213  |  -.0360126   .0075494    -4.77   0.000    -.0508811    -.021144
         214  |  -.0308452   .0068095    -4.53   0.000    -.0442564   -.0174339
         215  |   -.033731   .0084017    -4.01   0.000    -.0502782   -.0171839
         216  |  -.0308376   .0069404    -4.44   0.000    -.0445068   -.0171685
         217  |  -.0253617   .0057278    -4.43   0.000    -.0366426   -.0140808
         218  |  -.0312686   .0055189    -5.67   0.000    -.0421381    -.020399
         219  |  -.0236641    .005642    -4.19   0.000     -.034776   -.0125521
         220  |   -.021182   .0083767    -2.53   0.012    -.0376799    -.004684
         221  |   -.007813   .0031023    -2.52   0.012     -.013923    -.001703
         222  |  -.0074074   .0038427    -1.93   0.055    -.0149756    .0001607
         223  |  -.0020279   .0035696    -0.57   0.570    -.0090582    .0050023
         224  |  -.0104088   .0036911    -2.82   0.005    -.0176784   -.0031392
         225  |  -.0000764   .0027667    -0.03   0.978    -.0055254    .0053727
         226  |           0  (omitted)
              |
       _cons |   .4404057   .0469376     9.38   0.000     .3479621    .5328494
-------------+----------------------------------------------------------------
     sigma_u |  .02208728
     sigma_e |  .04122059
         rho |   .2230687   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

```
R-squared:                                      Obs per group:
     Within  = 0.1810                                         min =         1
     Between = 0.1861                                         avg =      37.6
     Overall = 0.1586                                         max =        78

                                                F(80, 215)        =     96.56
corr(u_i, Xb) = 0.0245                          Prob > F          =    0.0000

                    (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  d_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |  -.0006324   .0003959    -1.60   0.112    -.0014127    .0001479
             |
  pres_party |   .0497877   .0195284     2.55   0.011      .011296    .0882794
  med_income |  -3.60e-08   8.35e-08    -0.43   0.666    -2.01e-07    1.28e-07
       index |   .0017067   .0004372     3.90   0.000     .0008449    .0025686
             |
   d_sim_n50 |
         L1. |   .0367693   .0275491     1.33   0.183    -.0175316    .0910702
             |
        date |
         150 |  -.0121647   .0056031    -2.17   0.031    -.0232088   -.0011205
         151 |   -.003755   .0040876    -0.92   0.359    -.0118118    .0043019
         152 |  -.0042347   .0054619    -0.78   0.439    -.0150004    .0065309
         153 |  -.0056218   .0044833    -1.25   0.211    -.0144587     .003215
         154 |   .0128825   .0046771     2.75   0.006     .0036637    .0221013
         155 |   .0015647   .0048886     0.32   0.749    -.0080709    .0112004
         156 |  -.0513705   .0070261    -7.31   0.000    -.0652195   -.0375216
         157 |   -.056574    .003708   -15.26   0.000    -.0638827   -.0492653
         158 |  -.0619067   .0056461   -10.96   0.000    -.0730356   -.0507778
         159 |  -.0503175   .0047351   -10.63   0.000    -.0596506   -.0409844
         160 |  -.0535952   .0070167    -7.64   0.000    -.0674256   -.0397648
         161 |  -.0502102    .006036    -8.32   0.000    -.0621077   -.0383128
         162 |  -.0425594   .0065069    -6.54   0.000    -.0553849    -.029734
         163 |  -.0431064   .0072548    -5.94   0.000    -.0574059   -.0288068
         164 |   .0033279   .0096628     0.34   0.731     -.015718    .0223737
         165 |  -.0348301   .0148406    -2.35   0.020    -.0640819   -.0055783
         166 |  -.0500811   .0153272    -3.27   0.001    -.0802919   -.0198704
         167 |  -.0349007   .0134821    -2.59   0.010    -.0614748   -.0083267
         168 |  -.0484868   .0172636    -2.81   0.005    -.0825145   -.0144592
         169 |  -.0471129   .0169041    -2.79   0.006    -.0804319    -.013794
         170 |   -.035664   .0149903    -2.38   0.018    -.0652107   -.0061173
         171 |  -.0446667   .0130724    -3.42   0.001    -.0704332   -.0189002
         172 |  -.0174706   .0145284    -1.20   0.230    -.0461069    .0111658
         173 |  -.0285245    .014334    -1.99   0.048    -.0567777   -.0002714
         174 |  -.0387736   .0153946    -2.52   0.013    -.0691173   -.0084298
         175 |  -.0412124   .0164886    -2.50   0.013    -.0737123   -.0087124
         176 |  -.0468922   .0194602    -2.41   0.017    -.0852494   -.0085351
         177 |  -.0383493   .0169585    -2.26   0.025    -.0717755    -.004923
         178 |  -.0491634   .0183788    -2.67   0.008    -.0853892   -.0129376
         179 |  -.0345025   .0172101    -2.00   0.046    -.0684248   -.0005803
         180 |  -.0575581   .0187807    -3.06   0.002     -.094576   -.0205402
         181 |  -.0427292   .0147183    -2.90   0.004    -.0717397   -.0137186
         182 |  -.0497383   .0147467    -3.37   0.001     -.078805   -.0206716
         183 |  -.0365825   .0125861    -2.91   0.004    -.0613905   -.0117744
         184 |  -.0466951   .0155696    -3.00   0.003    -.0773837   -.0160064
         185 |  -.0375279   .0131137    -2.86   0.005    -.0633758     -.01168
         186 |  -.0430827   .0133286    -3.23   0.001    -.0693541   -.0168113
         187 |  -.0531292   .0164157    -3.24   0.001    -.0854856   -.0207728
         188 |  -.0692558   .0183285    -3.78   0.000    -.1053824   -.0331292
         189 |  -.0483835   .0136195    -3.55   0.000    -.0752284   -.0215386
         190 |  -.0526251   .0142365    -3.70   0.000    -.0806861   -.0245642
         191 |  -.0357156   .0104337    -3.42   0.001     -.056281   -.0151502
         192 |  -.0301928   .0093782    -3.22   0.001    -.0486778   -.0117079
         193 |  -.0004944   .0049807    -0.10   0.921    -.0103116    .0093228
         194 |  -.0149325   .0058401    -2.56   0.011    -.0264437   -.0034213
         195 |           0  (omitted)
         196 |   .0699307   .0199647     3.50   0.001     .0305791    .1092823
         197 |   .0618527   .0147226     4.20   0.000     .0328336    .0908719
```

```
         198  |   .0518342   .0143331     3.62   0.000     .0235828    .0800856
         199  |   .0558855   .0133746     4.18   0.000     .0295233    .0822477
         200  |   .0462217   .0116019     3.98   0.000     .0233536    .0690898
         201  |   .0505985   .0120525     4.20   0.000     .0268424    .0743546
         202  |   .0662424   .0135781     4.88   0.000     .0394792    .0930056
         203  |   .0600833   .0139924     4.29   0.000     .0325035     .087663
         204  |   .0466354   .0158502     2.94   0.004     .0153937    .0778772
         205  |   .0634712   .0140696     4.51   0.000     .0357392    .0912032
         206  |    .063317   .0180705     3.50   0.001     .0276989     .098935
         207  |   .0634028   .0158401     4.00   0.000      .032181    .0946246
         208  |   .0503204   .0109153     4.61   0.000     .0288056    .0718352
         209  |   .0480076   .0109675     4.38   0.000       .02639    .0696252
         210  |   .0405463   .0114861     3.53   0.001     .0179066    .0631861
         211  |   .0273255   .0120777     2.26   0.025     .0035196    .0511313
         212  |   .0212088   .0130017     1.63   0.104    -.0044183    .0468359
         213  |   .0170577   .0093137     1.83   0.068    -.0013001    .0354155
         214  |   .0000715   .0090824     0.01   0.994    -.0178304    .0179735
         215  |   .0155364   .0102912     1.51   0.133    -.0047483     .035821
         216  |    .006659   .0086319     0.77   0.441     -.010355    .0236729
         217  |   .0060543   .0079866     0.76   0.449    -.0096876    .0217963
         218  |   .0086598   .0065253     1.33   0.186    -.0042018    .0215215
         219  |  -.0100077   .0079121    -1.26   0.207    -.0256029    .0055875
         220  |  -.0229752   .0063675    -3.61   0.000     -.035526   -.0104245
         221  |  -.0258371   .0044046    -5.87   0.000    -.0345188   -.0171553
         222  |  -.0256599   .0059977    -4.28   0.000    -.0374818    -.013838
         223  |  -.0211964   .0051238    -4.14   0.000    -.0312957   -.0110971
         224  |  -.0174027   .0050091    -3.47   0.001    -.0272759   -.0075294
         225  |  -.0220851   .0045563    -4.85   0.000    -.0310658   -.0131043
         226  |           0  (omitted)
              |
       _cons  |   .2077207   .0440021     4.72   0.000     .1209901    .2944514
-------------+----------------------------------------------------------------
     sigma_u |  .02123136
     sigma_e |  .03509163
         rho |  .26796606   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.3042                                         min =          1
     Between = 0.1763                                         avg =       45.3
     Overall = 0.2714                                         max =         78

                                                F(80, 250)        =     255.80
corr(u_i, Xb) = 0.0183                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |   .0005352   .0004565     1.17   0.242     -.000364    .0014343
             |
  pres_party |   -.086596   .0179887    -4.81   0.000    -.1220246   -.0511673
  med_income |   1.07e-08   7.49e-08     0.14   0.886    -1.37e-07    1.58e-07
       index |  -.0009415   .0004618    -2.04   0.043    -.0018509    -.000032
             |
   r_sim_n50 |
         L1. |   .0440724   .0252535     1.75   0.082    -.0056643    .0938091
             |
        date |
         150 |  -.0034276   .0068055    -0.50   0.615    -.0168309    .0099758
         151 |   .0034777   .0058878     0.59   0.555    -.0081183    .0150737
         152 |    .001074   .0074708     0.14   0.886    -.0136398    .0157879
         153 |   .0019929   .0070807     0.28   0.779    -.0119526    .0159384
         154 |  -.0089546   .0070659    -1.27   0.206    -.0228708    .0049617
         155 |  -.0096561   .0069325    -1.39   0.165    -.0233096    .0039974
```

156	-.0635573	.0113769	-5.59	0.000	-.0859641	-.0411504
157	-.0556039	.0034006	-16.35	0.000	-.0623014	-.0489063
158	-.0555575	.0067734	-8.20	0.000	-.0688977	-.0422174
159	-.0565878	.0058926	-9.60	0.000	-.0681934	-.0449823
160	-.0471028	.0081657	-5.77	0.000	-.0631851	-.0310204
161	-.051608	.0076573	-6.74	0.000	-.066689	-.0365271
162	-.0513182	.0082393	-6.23	0.000	-.0675455	-.0350909
163	-.0680914	.0083624	-8.14	0.000	-.0845612	-.0516216
164	-.0632494	.0104115	-6.07	0.000	-.0837547	-.042744
165	.0335491	.0149552	2.24	0.026	.0040948	.0630033
166	.0427636	.0158649	2.70	0.008	.0115177	.0740094
167	.0407233	.0140307	2.90	0.004	.01309	.0683567
168	.041541	.0176019	2.36	0.019	.006874	.076208
169	.0435242	.0183139	2.38	0.018	.0074549	.0795934
170	.0346719	.0159463	2.17	0.031	.0032656	.0660782
171	.0371002	.0136769	2.71	0.007	.0101635	.0640369
172	.0851597	.0139596	6.10	0.000	.0576662	.1126532
173	.0954024	.0147709	6.46	0.000	.0663112	.1244936
174	.1061092	.0164372	6.46	0.000	.0737361	.1384822
175	.1106629	.0173828	6.37	0.000	.0764275	.1448983
176	.1084223	.0199686	5.43	0.000	.0690942	.1477505
177	.1043258	.0183242	5.69	0.000	.0682363	.1404153
178	.1073831	.0198244	5.42	0.000	.068339	.1464273
179	.1053386	.0177942	5.92	0.000	.070293	.1403842
180	.0556185	.0196789	2.83	0.005	.016861	.0943761
181	.0584374	.0148868	3.93	0.000	.0291177	.087757
182	.0652287	.0155013	4.21	0.000	.0346989	.0957585
183	.0656441	.0130635	5.03	0.000	.0399156	.0913726
184	.0641746	.0158374	4.05	0.000	.0329829	.0953662
185	.0633514	.0139908	4.53	0.000	.0357966	.0909063
186	.0638353	.0144811	4.41	0.000	.0353148	.0923558
187	.0669617	.0172812	3.87	0.000	.0329264	.100997
188	.0322987	.0182273	1.77	0.078	-.0035999	.0681972
189	.0322071	.0130001	2.48	0.014	.0066034	.0578108
190	.0326124	.0145693	2.24	0.026	.0039182	.0613067
191	.0349822	.0106936	3.27	0.001	.0139211	.0560433
192	.0206223	.0085576	2.41	0.017	.0037681	.0374764
193	.0092646	.0044666	2.07	0.039	.0004676	.0180617
194	.0101612	.0060864	1.67	0.096	-.0018259	.0221483
195	0	(omitted)				
196	-.0843848	.0196402	-4.30	0.000	-.1230662	-.0457034
197	-.0720783	.0149722	-4.81	0.000	-.1015659	-.0425906
198	-.0732434	.0129487	-5.66	0.000	-.098746	-.0477409
199	-.0668203	.0124808	-5.35	0.000	-.0914012	-.0422393
200	-.0650787	.0113044	-5.76	0.000	-.0873427	-.0428147
201	-.0674893	.0107392	-6.28	0.000	-.0886402	-.0463384
202	-.0746467	.012821	-5.82	0.000	-.0998976	-.0493958
203	-.0793919	.0137761	-5.76	0.000	-.1065239	-.0522599
204	-.0215125	.0143203	-1.50	0.134	-.0497163	.0066914
205	-.0162509	.0129761	-1.25	0.212	-.0418073	.0093055
206	-.0297681	.0165491	-1.80	0.073	-.0623615	.0028253
207	-.0180658	.0144075	-1.25	0.211	-.0464413	.0103098
208	-.017034	.0100142	-1.70	0.090	-.036757	.0026889
209	-.0130344	.0091867	-1.42	0.157	-.0311277	.0050589
210	-.0175267	.0094771	-1.85	0.066	-.0361919	.0011384
211	-.0053426	.0101636	-0.53	0.600	-.0253599	.0146747
212	-.0528349	.012392	-4.26	0.000	-.077241	-.0284289
213	-.0379549	.0076506	-4.96	0.000	-.0530227	-.0228871
214	-.0323855	.0068576	-4.72	0.000	-.0458916	-.0188794
215	-.0353619	.008591	-4.12	0.000	-.0522818	-.018442
216	-.0319837	.0071267	-4.49	0.000	-.0460197	-.0179477
217	-.026645	.0058359	-4.57	0.000	-.0381388	-.0151513
218	-.0320778	.0055943	-5.73	0.000	-.0430957	-.0210598
219	-.0243858	.0056999	-4.28	0.000	-.0356118	-.0131598
220	-.0213276	.0085138	-2.51	0.013	-.0380955	-.0045597
221	-.0082005	.0030616	-2.68	0.008	-.0142303	-.0021707
222	-.007619	.0038249	-1.99	0.047	-.0151522	-.0000858
223	-.002148	.0035823	-0.60	0.549	-.0092034	.0049074
224	-.0103512	.0037167	-2.79	0.006	-.0176712	-.0030311
225	-.0002396	.0027614	-0.09	0.931	-.0056781	.005199
226	0	(omitted)				

```
       _cons |   .4406862   .0464441     9.49   0.000     .3492146    .5321578
-------------+----------------------------------------------------------------
     sigma_u |  .02208805
     sigma_e |  .04121677
         rho |  .22311298   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1807                                         min =          1
     Between = 0.1851                                         avg =       37.6
     Overall = 0.1576                                         max =         78

                                                F(80, 215)        =      94.57
corr(u_i, Xb) = 0.0231                          Prob > F          =     0.0000

                      (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   d_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0002314   .0004337    -0.53   0.594    -.0010862    .0006233
  pres_party |   .0812609   .0284547     2.86   0.005     .0251751    .1373467
  med_income |  -3.79e-08   8.38e-08    -0.45   0.652    -2.03e-07    1.27e-07
             |
       index |
         L1. |   .0031713   .0008465     3.75   0.000     .0015029    .0048398
             |
   d_sim_n50 |
         L1. |   .0367755   .0275541     1.33   0.183    -.0175353    .0910863
             |
        date |
         150 |  -.0195423    .006958    -2.81   0.005    -.0332568   -.0058277
         151 |  -.0213643   .0078613    -2.72   0.007    -.0368594   -.0058691
         152 |  -.0140249   .0077186    -1.82   0.071    -.0292388     .001189
         153 |  -.0266234   .0093651    -2.84   0.005    -.0450825   -.0081643
         154 |  -.0104708   .0099066    -1.06   0.292    -.0299973    .0090557
         155 |  -.0168087   .0071174    -2.36   0.019    -.0308375   -.0027799
         156 |  -.0490906   .0067508    -7.27   0.000    -.0623969   -.0357844
         157 |  -.0724821   .0071945   -10.07   0.000    -.0866628   -.0583013
         158 |  -.0789084   .0092698    -8.51   0.000    -.0971797   -.0606371
         159 |  -.0676318   .0087124    -7.76   0.000    -.0848044   -.0504591
         160 |  -.0599075    .008674    -6.91   0.000    -.0770045   -.0428104
         161 |  -.0748347   .0120806    -6.19   0.000    -.0986462   -.0510231
         162 |  -.0648436   .0120128    -5.40   0.000    -.0885216   -.0411656
         163 |  -.0675796   .0109231    -6.19   0.000    -.0891097   -.0460494
         164 |   -.029097   .0106074    -2.74   0.007    -.0500049   -.0081892
         165 |  -.0648732   .0231653    -2.80   0.006    -.1105334   -.0192129
         166 |  -.0799624    .023595    -3.39   0.001    -.1264696   -.0334552
         167 |    -.06275   .0211427    -2.97   0.003    -.1044234   -.0210766
         168 |  -.0519588   .0188099    -2.76   0.006    -.0890342   -.0148835
         169 |  -.0750618   .0246561    -3.04   0.003    -.1236605    -.026463
         170 |  -.0780797   .0264495    -2.95   0.004    -.1302133   -.0259461
         171 |  -.0714209    .020409    -3.50   0.001    -.1116483   -.0311936
         172 |  -.0393829   .0194091    -2.03   0.044    -.0776395   -.0011264
         173 |  -.0231401   .0134245    -1.72   0.086    -.0496005    .0033204
         174 |  -.0626969   .0219982    -2.85   0.005    -.1060567   -.0193372
         175 |  -.0605868   .0220212    -2.75   0.006     -.103992   -.0171817
         176 |  -.0639597   .0246221    -2.60   0.010    -.1124913   -.0154281
         177 |  -.0833888   .0291891    -2.86   0.005    -.1409222   -.0258554
         178 |  -.0751364   .0258088    -2.91   0.004     -.126007   -.0242658
         179 |  -.0703032   .0270736    -2.60   0.010    -.1236669   -.0169394
         180 |  -.0873737   .0264759    -3.30   0.001    -.1395592   -.0351882
         181 |  -.0803708   .0248281    -3.24   0.001    -.1293084   -.0314332
         182 |  -.0793656   .0228987    -3.47   0.001    -.1245002   -.0342309
         183 |  -.0658746   .0204738    -3.22   0.001    -.1062297   -.0255195
         184 |  -.0488009   .0167042    -2.92   0.004    -.0817259   -.0158758
         185 |  -.0693185   .0216972    -3.19   0.002     -.112085    -.026552
```

```
         186  |  -.0580208   .0177003    -3.28   0.001    -.0929091   -.0231325
         187  |  -.0543186   .0174254    -3.12   0.002     -.088665   -.0199722
         188  |  -.0974976   .0255614    -3.81   0.000    -.1478807   -.0471144
         189  |  -.0853184    .023425    -3.64   0.000    -.1314904   -.0391464
         190  |  -.0742741   .0203311    -3.65   0.000    -.1143479   -.0342003
         191  |  -.0681403   .0190047    -3.59   0.000    -.1055996   -.0306809
         192  |  -.0438994   .0129404    -3.39   0.001    -.0694058   -.0183931
         193  |  -.0229081   .0089942    -2.55   0.012    -.0406363   -.0051799
         194  |   .0139857   .0055814     2.51   0.013     .0029845     .024987
         195  |           0  (omitted)
         196  |    .125159   .0348133     3.60   0.000       .05654    .1937781
         197  |   .1305058   .0338775     3.85   0.000     .0637313    .1972803
         198  |    .089441   .0250179     3.58   0.000     .0401292    .1387528
         199  |   .0956158   .0246866     3.87   0.000     .0469572    .1442745
         200  |   .0873368    .023173     3.77   0.000     .0416615    .1330122
         201  |   .0786816   .0203182     3.87   0.000     .0386331     .11873
         202  |   .0854566   .0194993     4.38   0.000     .0470222    .1238909
         203  |   .1019703   .0253797     4.02   0.000     .0519454    .1519952
         204  |   .0828092   .0252111     3.28   0.001     .0331168    .1325017
         205  |   .0910917   .0223482     4.08   0.000     .0470421    .1351413
         206  |   .0740719   .0218848     3.38   0.001     .0309356    .1172082
         207  |   .1221805   .0322802     3.78   0.000     .0585543    .1858068
         208  |   .1115615   .0275218     4.05   0.000     .0573143    .1658086
         209  |   .0758632   .0189074     4.01   0.000     .0385957    .1131308
         210  |   .0641121   .0180249     3.56   0.000     .0285839    .0996404
         211  |   .0623975   .0207479     3.01   0.003     .0215021    .1032929
         212  |   .0380989   .0175321     2.17   0.031     .0035421    .0726557
         213  |   .0505095    .018615     2.71   0.007     .0138182    .0872007
         214  |   .0179902   .0139458     1.29   0.198    -.0094978    .0454782
         215  |   .0256576   .0135214     1.90   0.059    -.0009938    .0523091
         216  |   .0389728   .0173185     2.25   0.025      .004837    .0731087
         217  |   .0284898   .0141096     2.02   0.045     .0006789    .0563008
         218  |   .0260357   .0111738     2.33   0.021     .0040114     .04806
         219  |    .018175   .0134571     1.35   0.178    -.0083497    .0446997
         220  |  -.0061885    .009018    -0.69   0.493    -.0239635    .0115865
         221  |  -.0297077   .0039423    -7.54   0.000    -.0374782   -.0219372
         222  |  -.0308337   .0053404    -5.77   0.000    -.0413599   -.0203075
         223  |  -.0147496   .0064346    -2.29   0.023    -.0274326   -.0020666
         224  |  -.0118761   .0060491    -1.96   0.051    -.0237993    .0000472
         225  |  -.0160542     .00574    -2.80   0.006    -.0273681   -.0047402
         226  |           0  (omitted)
              |
       _cons  |   .0669896   .0819537     0.82   0.415    -.0945459    .2285252
--------------+----------------------------------------------------------------
     sigma_u  |  .02124009
     sigma_e  |  .03509652
         rho  |  .26807268   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.3041                                         min =          1
     Between = 0.1767                                         avg =       45.3
     Overall = 0.2711                                         max =         78

                                                F(80, 250)        =     256.32
corr(u_i, Xb) = 0.0182                          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	.0000102	.0005252	0.02	0.985	-.0010242	.0010446
pres_party	-.1035305	.0270337	-3.83	0.000	-.1567732	-.0502877
med_income	1.03e-08	7.48e-08	0.14	0.890	-1.37e-07	1.58e-07
index						
L1.	-.0017491	.0008857	-1.97	0.049	-.0034934	-4.81e-06
r_sim_n50						
L1.	.0440462	.0253196	1.74	0.083	-.0058207	.0939131
date						
150	.0004409	.0087253	0.05	0.960	-.0167436	.0176254
151	.0129579	.0103803	1.25	0.213	-.0074861	.0334019
152	.0062962	.0101287	0.62	0.535	-.0136522	.0262446
153	.0134017	.012563	1.07	0.287	-.011341	.0381444
154	.0036641	.0128898	0.28	0.776	-.0217223	.0290505
155	.0002392	.0101938	0.02	0.981	-.0198375	.0203158
156	-.0649926	.0114004	-5.70	0.000	-.0874456	-.0425396
157	-.0470513	.0072999	-6.45	0.000	-.0614284	-.0326742
158	-.0465021	.0111864	-4.16	0.000	-.0685337	-.0244704
159	-.0473958	.0103506	-4.58	0.000	-.0677813	-.0270104
160	-.0439431	.010076	-4.36	0.000	-.0637879	-.0240984
161	-.0383459	.014309	-2.68	0.008	-.0665275	-.0101643
162	-.0393925	.0141539	-2.78	0.006	-.0672685	-.0115165
163	-.0551113	.01357	-4.06	0.000	-.0818374	-.0283853
164	-.0457716	.0133635	-3.43	0.001	-.072091	-.0194522
165	.0494984	.0233677	2.12	0.035	.0034757	.095521
166	.058619	.0244147	2.40	0.017	.0105343	.1067038
167	.0555834	.02193	2.53	0.012	.0123924	.0987745
168	.0431444	.0190665	2.26	0.025	.005593	.0806959
169	.0586914	.0263402	2.23	0.027	.0068144	.1105684
170	.0577236	.0278613	2.07	0.039	.0028508	.1125963
171	.0514455	.0212468	2.42	0.016	.0096	.0932911
172	.0968949	.019411	4.99	0.000	.0586649	.1351249
173	.0922331	.0136301	6.77	0.000	.0653885	.1190776
174	.1190318	.0231839	5.13	0.000	.0733712	.1646923
175	.121035	.0230042	5.26	0.000	.0757283	.1663417
176	.1175251	.0251488	4.67	0.000	.0679945	.1670557
177	.1288704	.0309629	4.16	0.000	.0678889	.1898518
178	.1212821	.0273789	4.43	0.000	.0673594	.1752048
179	.1246436	.0280807	4.44	0.000	.0693388	.1799485
180	.0716503	.0280149	2.56	0.011	.0164749	.1268257
181	.0788165	.0253397	3.11	0.002	.0289099	.1287231
182	.0810571	.0237903	3.41	0.001	.0342021	.1279121
183	.0812785	.0212055	3.83	0.000	.0395143	.1230426
184	.064839	.0168497	3.85	0.000	.0316534	.0980245
185	.0803493	.0228676	3.51	0.001	.0353116	.125387
186	.0714536	.0188804	3.78	0.000	.0342686	.1086386
187	.0669806	.018072	3.71	0.000	.0313879	.1025733
188	.0472109	.0261129	1.81	0.072	-.0042184	.0986401
189	.0519443	.023248	2.23	0.026	.0061574	.0977312
190	.0438865	.020679	2.12	0.035	.0031593	.0846138
191	.0522791	.0195605	2.67	0.008	.0137548	.0908034
192	.0276879	.0122615	2.26	0.025	.0035389	.051837
193	.021213	.0087458	2.43	0.016	.0039882	.0384378
194	-.0060982	.0056168	-1.09	0.279	-.0171606	.0049641
195	0	(omitted)				
196	-.1139908	.0342963	-3.32	0.001	-.1815374	-.0464442
197	-.1088003	.0344953	-3.15	0.002	-.1767387	-.0408618
198	-.0926929	.023645	-3.92	0.000	-.1392617	-.0461241
199	-.0872991	.0237469	-3.68	0.000	-.1340685	-.0405297
200	-.0862463	.0224899	-3.83	0.000	-.1305402	-.0419525
201	-.0814664	.0187108	-4.35	0.000	-.1183174	-.0446154
202	-.083896	.0183723	-4.57	0.000	-.1200802	-.0477118
203	-.1010854	.0249243	-4.06	0.000	-.1501737	-.051997
204	-.0402117	.0230075	-1.75	0.082	-.085525	.0051016
205	-.0303013	.021236	-1.43	0.155	-.0721255	.0115229

```
        206  |  -.0345882   .0202751    -1.71   0.089    -.0745199    .0053435
        207  |   -.049419   .0311953    -1.58   0.114    -.1108581    .0120201
        208  |  -.0498639   .0269642    -1.85   0.066    -.1029699     .003242
        209  |  -.0275171   .0170926    -1.61   0.109     -.061181    .0061469
        210  |  -.0297199   .0160087    -1.86   0.065    -.0612491    .0018092
        211  |  -.0238107   .0188148    -1.27   0.207    -.0608663    .0132449
        212  |  -.0614221   .0159852    -3.84   0.000    -.0929049   -.0299392
        213  |  -.0556565   .0171079    -3.25   0.001    -.0893505   -.0219625
        214  |  -.0416526   .0117059    -3.56   0.000    -.0647074   -.0185977
        215  |  -.0404411   .0115851    -3.49   0.001    -.0632579   -.0176243
        216  |  -.0494045   .0157415    -3.14   0.002    -.0804073   -.0184017
        217  |  -.0386592   .0119843    -3.23   0.001    -.0622623   -.0150561
        218  |  -.0414245   .0099343    -4.17   0.000    -.0609902   -.0218589
        219  |  -.0396514   .0113467    -3.49   0.001    -.0619987    -.017304
        220  |  -.0304565   .0093486    -3.26   0.001    -.0488685   -.0120445
        221  |  -.0059358   .0029841    -1.99   0.048     -.011813   -.0000586
        222  |  -.0047135   .0036906    -1.28   0.203    -.0119822    .0025551
        223  |  -.0057355   .0044097    -1.30   0.195    -.0144205    .0029494
        224  |  -.0134237   .0043061    -3.12   0.002    -.0219045   -.0049428
        225  |  -.0035595   .0033194    -1.07   0.285    -.0100971    .0029782
        226  |           0  (omitted)
             |
       _cons |   .5199428     .08658     6.01   0.000     .3494237     .690462
-------------+----------------------------------------------------------------
     sigma_u |  .02208728
     sigma_e |  .04122059
         rho |   .2230687   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1810                                         min =          1
     Between = 0.1861                                         avg =       37.6
     Overall = 0.1586                                         max =         78

                                                F(80, 215)        =      96.56
corr(u_i, Xb) = 0.0245                          Prob > F          =     0.0000

                    (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   d_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |  -.0006324   .0003959    -1.60   0.112    -.0014127    .0001479
             |
  pres_party |   .0847911   .0282855     3.00   0.003     .0290386    .1405436
  med_income |  -3.60e-08   8.35e-08    -0.43   0.666    -2.01e-07    1.28e-07
             |
       index |
         L1. |   .0032842   .0008414     3.90   0.000     .0016258    .0049425
             |
   d_sim_n50 |
         L1. |   .0367693   .0275491     1.33   0.183    -.0175316    .0910702
             |
        date |
         150 |  -.0205224   .0069092    -2.97   0.003    -.0341408   -.0069041
         151 |  -.0226738   .0077944    -2.91   0.004     -.038037   -.0073106
         152 |  -.0157474   .0077048    -2.04   0.042    -.0309341   -.0005607
         153 |  -.0278662   .0092973    -3.00   0.003    -.0461917   -.0095406
         154 |  -.0122089   .0098091    -1.24   0.215    -.0315433    .0071255
         155 |  -.0179928   .0070575    -2.55   0.011    -.0319036   -.0040821
         156 |   -.050362      .0069    -7.30   0.000    -.0639624   -.0367616
         157 |  -.0737731   .0071948   -10.25   0.000    -.0879544   -.0595919
         158 |  -.0806031   .0092788    -8.69   0.000    -.0988922    -.062314
         159 |  -.0692234   .0086717    -7.98   0.000    -.0863159   -.0521309
         160 |  -.0618392   .0087073    -7.10   0.000    -.0790018   -.0446766
         161 |  -.0767654   .0120318    -6.38   0.000    -.1004808   -.0530499
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162	-.0670639	.0119071	-5.63	0.000	-.0905335	-.0435943
163	-.0694856	.0109214	-6.36	0.000	-.0910123	-.047959
164	-.0310265	.0108109	-2.87	0.005	-.0523353	-.0097176
165	-.0683104	.0230325	-2.97	0.003	-.1137088	-.022912
166	-.0835588	.0234439	-3.56	0.000	-.1297681	-.0373496
167	-.0659709	.0210172	-3.14	0.002	-.107397	-.0245448
168	-.0547371	.0187766	-2.92	0.004	-.0917469	-.0177272
169	-.0779297	.0245401	-3.18	0.002	-.1262997	-.0295596
170	-.0813706	.0262499	-3.10	0.002	-.1331108	-.0296305
171	-.0740147	.0201711	-3.67	0.000	-.1137732	-.0342562
172	-.0418095	.0195253	-2.14	0.033	-.0802951	-.003324
173	-.0245111	.0133889	-1.83	0.069	-.0509015	.0018793
174	-.0653028	.0218963	-2.98	0.003	-.1084618	-.0221439
175	-.0631334	.0219066	-2.88	0.004	-.1063127	-.0199542
176	-.0672695	.0245307	-2.74	0.007	-.115621	-.0189181
177	-.0867815	.0290373	-2.99	0.003	-.1440158	-.0295472
178	-.0784053	.0256291	-3.06	0.003	-.1289218	-.0278888
179	-.073871	.0269676	-2.74	0.007	-.1270257	-.0207163
180	-.0910022	.0265374	-3.43	0.001	-.1433091	-.0386953
181	-.0834863	.0247223	-3.38	0.001	-.1322153	-.0347573
182	-.082466	.0227547	-3.62	0.000	-.1273168	-.0376153
183	-.0686482	.0203784	-3.37	0.001	-.1088153	-.0284811
184	-.0512464	.0166685	-3.07	0.002	-.0841009	-.0183918
185	-.0721305	.0215752	-3.34	0.001	-.1146565	-.0296044
186	-.0605948	.0175687	-3.45	0.001	-.0952238	-.0259658
187	-.0567909	.0173178	-3.28	0.001	-.0909252	-.0226566
188	-.1013449	.0256754	-3.95	0.000	-.1519526	-.0507372
189	-.0885329	.0233425	-3.79	0.000	-.1345423	-.0425235
190	-.0772459	.0202069	-3.82	0.000	-.1170749	-.037417
191	-.0708897	.0189045	-3.75	0.000	-.1081516	-.0336278
192	-.0459593	.012909	-3.56	0.000	-.0714037	-.020515
193	-.0238533	.0089498	-2.67	0.008	-.0414939	-.0062128
194	.0142629	.0055491	2.57	0.011	.0033252	.0252005
195	0	(omitted)				
196	.1292757	.0343435	3.76	0.000	.0615826	.1969688
197	.1361238	.0335738	4.05	0.000	.0699479	.2022997
198	.0939335	.0248362	3.78	0.000	.0449798	.1428872
199	.1002294	.0244578	4.10	0.000	.0520216	.1484372
200	.0914681	.0228613	4.00	0.000	.0464072	.136529
201	.083365	.0201548	4.14	0.000	.0436387	.1230914
202	.0894513	.0193349	4.63	0.000	.051341	.1275616
203	.1066329	.0251753	4.24	0.000	.0570109	.156255
204	.0869039	.0246374	3.53	0.001	.0383421	.1354656
205	.0954516	.0220567	4.33	0.000	.0519765	.1389268
206	.078075	.021726	3.59	0.000	.0352517	.1208983
207	.1277594	.0320398	3.99	0.000	.064607	.1909117
208	.116032	.0272685	4.26	0.000	.0622842	.1697798
209	.0796157	.0187193	4.25	0.000	.0427188	.1165125
210	.0673083	.0179467	3.75	0.000	.0319344	.1026822
211	.0658665	.0207919	3.17	0.002	.0248845	.1068485
212	.0406913	.0173551	2.34	0.020	.0064834	.0748992
213	.0539411	.0183884	2.93	0.004	.0176964	.0901857
214	.0203635	.0138207	1.47	0.142	-.0068779	.0476049
215	.0281351	.0133609	2.11	0.036	.0017999	.0544703
216	.0415202	.017136	2.42	0.016	.0077441	.0752962
217	.0310217	.0139573	2.22	0.027	.0035111	.0585323
218	.0277286	.0110824	2.50	0.013	.0058845	.0495727
219	.02001	.0134178	1.49	0.137	-.0064373	.0464572
220	-.0055614	.0089414	-0.62	0.535	-.0231854	.0120625
221	-.0293617	.0038956	-7.54	0.000	-.0370402	-.0216832
222	-.030718	.0053332	-5.76	0.000	-.0412301	-.0202059
223	-.0142351	.0064017	-2.22	0.027	-.0268533	-.0016169
224	-.0117421	.0060305	-1.95	0.053	-.0236285	.0001444
225	-.0155452	.0057045	-2.73	0.007	-.026789	-.0043014
226	0	(omitted)				
_cons	.0583821	.0813772	0.72	0.474	-.1020171	.2187813

sigma_u	.02123136
sigma_e	.03509163
rho	.26796606 (fraction of variance due to u_i)

```
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.3042                                         min =          1
     Between = 0.1763                                         avg =       45.3
     Overall = 0.2714                                         max =         78

                                                F(80, 250)         =     255.80
corr(u_i, Xb) = 0.0183                          Prob > F           =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |   .0005352   .0004565     1.17   0.242     -.000364    .0014343
             |
  pres_party |  -.1059049   .0272354    -3.89   0.000     -.159545   -.0522649
  med_income |   1.07e-08   7.49e-08     0.14   0.886    -1.37e-07    1.58e-07
             |
       index |
         L1. |  -.0018116   .0008885    -2.04   0.043    -.0035616   -.0000617
             |
   r_sim_n50 |
         L1. |   .0440724   .0252535     1.75   0.082    -.0056643    .0938091
             |
        date |
         150 |   .0011829   .0087757     0.13   0.893    -.0161009    .0184666
         151 |   .0139139   .0104241     1.33   0.183    -.0066163    .0344441
         152 |   .0074248    .010198     0.73   0.467    -.0126601    .0275096
         153 |   .0142636   .0126171     1.13   0.259    -.0105858     .039113
         154 |   .0048867   .0129426     0.38   0.706    -.0206038    .0303771
         155 |   .0011324   .0101235     0.11   0.911    -.0188058    .0210707
         156 |  -.0641136   .0112807    -5.68   0.000     -.086331   -.0418963
         157 |  -.0461163   .0073263    -6.29   0.000    -.0605455   -.0316871
         158 |   -.045244   .0112454    -4.02   0.000    -.0673918   -.0230961
         159 |  -.0461588   .0103605    -4.46   0.000    -.0665638   -.0257537
         160 |  -.0425551    .010146    -4.19   0.000    -.0625376   -.0225727
         161 |  -.0369594   .0143732    -2.57   0.011    -.0652675   -.0086513
         162 |  -.0378007   .0142001    -2.66   0.008    -.0657678   -.0098337
         163 |  -.0535398    .013581    -3.94   0.000    -.0802876    -.026792
         164 |  -.0442984   .0131757    -3.36   0.001     -.070248   -.0183489
         165 |   .0520178    .023633     2.20   0.029     .0054726     .098563
         166 |   .0612309   .0246499     2.48   0.014     .0126829    .1097789
         167 |   .0578626   .0221028     2.62   0.009     .0143311    .1013941
         168 |   .0449888   .0192401     2.34   0.020     .0070954    .0828821
         169 |   .0605236   .0264804     2.29   0.023     .0083706    .1126766
         170 |   .0598851   .0280145     2.14   0.034     .0047105    .1150597
         171 |   .0532894   .0213697     2.49   0.013     .0112018     .095377
         172 |   .0985858    .019421     5.08   0.000     .0603362    .1368354
         173 |   .0931885   .0137628     6.77   0.000     .0660826    .1202944
         174 |   .1207435   .0233446     5.17   0.000     .0747664    .1667206
         175 |   .1227553   .0231278     5.31   0.000     .0772051    .1683054
         176 |   .1196631   .0253498     4.72   0.000     .0697367    .1695894
         177 |   .1310425   .0311371     4.21   0.000      .069718     .192367
         178 |   .1235139   .0275533     4.48   0.000     .0692476    .1777801
         179 |   .1270555   .0282575     4.50   0.000     .0714024    .1827085
         180 |   .0740673    .028102     2.64   0.009     .0187205    .1294141
         181 |   .0809202    .025541     3.17   0.002     .0306173    .1312232
         182 |   .0832823   .0240251     3.47   0.001     .0359648    .1305998
         183 |   .0833326   .0213685     3.90   0.000     .0412473    .1254179
         184 |   .0666852   .0170179     3.92   0.000     .0331685    .1002018
         185 |   .0824393   .0230511     3.58   0.000     .0370402    .1278384
         186 |   .0734955    .019049     3.86   0.000     .0359784    .1110126
         187 |   .0689816   .0182489     3.78   0.000     .0330403    .1049228
         188 |        .05   .0261649     1.91   0.057    -.0015318    .1015318
         189 |   .0543548   .0234581     2.32   0.021     .0081541    .1005554
```

```
         190  |    .046194   .0209238     2.21   0.028     .0049846    .0874034
         191  |   .0543853   .0196934     2.76   0.006     .0155991    .0931715
         192  |   .0293196   .0124248     2.36   0.019      .004849    .0537901
         193  |   .0221501   .0088306     2.51   0.013     .0047582     .039542
         194  |  -.0059439   .0055797    -1.07   0.288    -.0169332    .0050454
         195  |          0  (omitted)
         196  |  -.1171213   .0347027    -3.37   0.001    -.1854682   -.0487744
         197  |  -.1130485   .0348419    -3.24   0.001    -.1816695   -.0444274
         198  |  -.0964667   .0239093    -4.03   0.000     -.143556   -.0493774
         199  |  -.0912817   .0241136    -3.79   0.000    -.1387734   -.0437901
         200  |   -.090038   .0228912    -3.93   0.000    -.1351223   -.0449538
         201  |  -.0855644   .0191184    -4.48   0.000     -.123218   -.0479107
         202  |  -.0874494    .018778    -4.66   0.000    -.1244326   -.0504662
         203  |  -.1050701   .0253129    -4.15   0.000    -.1549238   -.0552164
         204  |  -.0437258   .0237013    -1.84   0.066    -.0904054    .0029539
         205  |  -.0338923   .0214866    -1.58   0.116    -.0762102    .0084256
         206  |  -.0379091   .0204219    -1.86   0.065      -.07813    .0023118
         207  |  -.0535668   .0315286    -1.70   0.091    -.1156624    .0085287
         208  |  -.0532826   .0271994    -1.96   0.051    -.1068516    .0002865
         209  |  -.0304704   .0173155    -1.76   0.080    -.0645732    .0036324
         210  |  -.0322895   .0162293    -1.99   0.048    -.0642531   -.0003259
         211  |   -.026603   .0191462    -1.39   0.166    -.0643114    .0111054
         212  |  -.0635821   .0164562    -3.86   0.000    -.0959926   -.0311716
         213  |  -.0583009    .017283    -3.37   0.001    -.0923398    -.024262
         214  |  -.0435792   .0118103    -3.69   0.000    -.0668396   -.0203188
         215  |  -.0423118   .0117822    -3.59   0.000    -.0655168   -.0191068
         216  |  -.0512142   .0159041    -3.22   0.001    -.0825374    -.019891
         217  |  -.0404178   .0121161    -3.34   0.001    -.0642804   -.0165552
         218  |  -.0425967   .0100392    -4.24   0.000    -.0623689   -.0228244
         219  |  -.0409445   .0114598    -3.57   0.000    -.0635144   -.0183745
         220  |  -.0309336   .0095055    -3.25   0.001    -.0496546   -.0122126
         221  |  -.0062562    .002932    -2.13   0.034    -.0120308   -.0004816
         222  |  -.0048288   .0036743    -1.31   0.190    -.0120654    .0024078
         223  |  -.0059881   .0044353    -1.35   0.178    -.0147234    .0027472
         224  |  -.0134738   .0043178    -3.12   0.002    -.0219777   -.0049698
         225  |  -.0038472   .0033198    -1.16   0.248    -.0103855    .0026912
         226  |          0  (omitted)
              |
       _cons  |    .523066    .086369     6.06   0.000     .3529624    .6931695
--------------+----------------------------------------------------------------
     sigma_u  |  .02208805
     sigma_e  |  .04121677
         rho  |  .22311298   (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  = 0.1648                                         min =          1
     Between = 0.1809                                         avg =       37.6
     Overall = 0.1441                                         max =         78

                                                F(24, 215)        =     208.85
corr(u_i, Xb) = 0.0208                          Prob > F          =     0.0000

                    (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  d_sim_n50  | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0003059   .0004475    -0.68   0.495    -.0011878    .0005761
  pres_party |  -.0010153    .008213    -0.12   0.902    -.0172035     .015173
  med_income |  -3.95e-08   8.43e-08    -0.47   0.640    -2.06e-07    1.27e-07
       index |   .0000557   .0001368     0.41   0.684    -.0002139    .0003254
             |
  d_sim_n50  |
         L1. |   .0347514   .0266935     1.30   0.194     -.017863    .0873659
             |
        year |
        1998 |   .0079406   .0027898     2.85   0.005     .0024416    .0134395
        1999 |   -.048181   .0025745   -18.71   0.000    -.0532556   -.0431065
```

```
        2000  |  -.0363172   .0035188   -10.32   0.000     -.043253   -.0293814
        2001  |  -.0104996   .0089426    -1.17   0.242     -.028126    .0071268
        2002  |  -.0108479   .0091912    -1.18   0.239    -.0289643    .0072685
        2003  |  -.0037087   .0096875    -0.38   0.702    -.0228033    .0153859
        2004  |  -.0022958   .0093276    -0.25   0.806     -.020681    .0160894
        2005  |  -.0166474   .0098275    -1.69   0.092     -.036018    .0027232
        2006  |  -.0172412   .0095366    -1.81   0.072    -.0360383     .001556
        2007  |  -.0251304   .0101671    -2.47   0.014    -.0451704   -.0050904
        2008  |  -.0226219   .0105096    -2.15   0.032    -.0433369    -.001907
        2009  |   .0015349   .0053278     0.29   0.774    -.0089664    .0120363
        2010  |   .0050994   .0048749     1.05   0.297    -.0045092    .0147081
        2011  |   .0022171    .005751     0.39   0.700    -.0091184    .0135527
        2012  |    .001508   .0044416     0.34   0.735    -.0072466    .0102627
        2013  |  -.0245744    .003871    -6.35   0.000    -.0322043   -.0169444
        2014  |  -.0254925     .00382    -6.67   0.000     -.033022    -.017963
        2015  |  -.0387669   .0026893   -14.42   0.000    -.0440678   -.0334661
        2016  |  -.0299488   .0032749    -9.15   0.000    -.0364037   -.0234938
              |
        _cons |    .374061   .0180421    20.73   0.000      .338499     .409623
------------+----------------------------------------------------------------
     sigma_u |  .02129537
     sigma_e |  .03531104
         rho |  .26670357   (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  = 0.2969                                         min =          1
     Between = 0.1768                                         avg =       45.3
     Overall = 0.2651                                         max =         78

                                                F(24, 250)        =     627.75
corr(u_i, Xb) = 0.0189                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0003909    .000617    -0.63   0.527     -.001606    .0008243
  pres_party |   .0183756   .0100967     1.82   0.070    -.0015097     .038261
  med_income |   1.56e-08   7.24e-08     0.22   0.829    -1.27e-07    1.58e-07
       index |  -.0002372   .0001385    -1.71   0.088    -.0005099    .0000355
             |
   r_sim_n50 |
         L1. |   .0473214   .0249937     1.89   0.059    -.0019037    .0965465
             |
        year |
        1998 |  -.0036051   .0030846    -1.17   0.244    -.0096803    .0024701
        1999 |  -.0580151    .002501   -23.20   0.000    -.0629407   -.0530894
        2000 |   -.055371      .0034   -16.29   0.000    -.0620674   -.0486747
        2001 |  -.0544432   .0102697    -5.30   0.000    -.0746693   -.0342172
        2002 |   -.054674   .0103676    -5.27   0.000     -.075093    -.034255
        2003 |   .0087624   .0102449     0.86   0.393     -.011415    .0289397
        2004 |   .0085199    .009891     0.86   0.390    -.0109604    .0280002
        2005 |  -.0304276    .010765    -2.83   0.005    -.0516292   -.0092259
        2006 |  -.0280407   .0105325    -2.66   0.008    -.0487845    -.007297
        2007 |  -.0576828   .0113019    -5.10   0.000    -.0799419   -.0354237
        2008 |  -.0645654   .0110816    -5.83   0.000    -.0863906   -.0427402
        2009 |    -.04213   .0052886    -7.97   0.000     -.052546   -.0317141
        2010 |  -.0426112     .00489    -8.71   0.000    -.0522421   -.0329803
        2011 |    .009389   .0053421     1.76   0.080    -.0011322    .0199102
        2012 |   .0085957   .0044869     1.92   0.057    -.0002412    .0174326
        2013 |  -.0172692    .003668    -4.71   0.000    -.0244933    -.010045
        2014 |  -.0129725   .0034642    -3.74   0.000    -.0197952   -.0061497
        2015 |   .0013561   .0027213     0.50   0.619    -.0040035    .0067156
        2016 |   .0056398   .0031921     1.77   0.078    -.0006472    .0119267
             |
       _cons |   .3701381   .0186473    19.85   0.000     .3334122    .4068639
-------------+----------------------------------------------------------------
```

```
     sigma_u |  .02208469
     sigma_e |  .04132958
         rho |  .22211429   (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  = 0.1647                                         min =          1
     Between = 0.1802                                         avg =       37.6
     Overall = 0.1437                                         max =         78

                                                F(24, 215)        =     208.23
corr(u_i, Xb) = 0.0198                          Prob > F          =     0.0000

                      (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   d_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |  -.0001699   .0004251    -0.40   0.690    -.0010078    .0006679
             |
  pres_party |  -.0008831    .008134    -0.11   0.914    -.0169158    .0151495
  med_income |  -3.90e-08   8.42e-08    -0.46   0.644    -2.05e-07    1.27e-07
       index |    .000055    .000136     0.40   0.686     -.000213     .000323
             |
   d_sim_n50 |
         L1. |   .0346799   .0267148     1.30   0.196    -.0179765    .0873364
             |
        year |
        1998 |   .0078652    .002781     2.83   0.005     .0023838    .0133467
        1999 |  -.0481405   .0025802   -18.66   0.000    -.0532262   -.0430548
        2000 |   -.036292   .0034836   -10.42   0.000    -.0431585   -.0294256
        2001 |  -.0107417   .0089005    -1.21   0.229    -.0282851    .0068017
        2002 |  -.0112292   .0092016    -1.22   0.224     -.029366    .0069077
        2003 |  -.0040608   .0097458    -0.42   0.677    -.0232702    .0151487
        2004 |   -.002619   .0093317    -0.28   0.779    -.0210124    .0157745
        2005 |  -.0168694   .0098222    -1.72   0.087    -.0362296    .0024908
        2006 |  -.0174665   .0095116    -1.84   0.068    -.0362144    .0012815
        2007 |  -.0253484   .0101502    -2.50   0.013    -.0453551   -.0053416
        2008 |  -.0230749    .010607    -2.18   0.031    -.0439819   -.0021678
        2009 |   .0007442   .0053027     0.14   0.889    -.0097078    .0111962
        2010 |   .0043346   .0047649     0.91   0.364    -.0050573    .0137264
        2011 |   .0016073   .0057097     0.28   0.779    -.0096469    .0128615
        2012 |   .0009473   .0044236     0.21   0.831    -.0077718    .0096664
        2013 |  -.0249737   .0038552    -6.48   0.000    -.0325724   -.0173749
        2014 |  -.0257792   .0038088    -6.77   0.000    -.0332865   -.0182718
        2015 |  -.0388821   .0027031   -14.38   0.000      -.04421   -.0335541
        2016 |  -.0300857   .0033079    -9.10   0.000    -.0366058   -.0235655
             |
       _cons |   .3735638   .0180198    20.73   0.000     .3380457    .4090818
-------------+----------------------------------------------------------------
     sigma_u |  .02130089
     sigma_e |  .03531199
         rho |  .26679448   (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  = 0.2969                                         min =          1
     Between = 0.1797                                         avg =       45.3
     Overall = 0.2660                                         max =         78

                                                F(24, 250)        =     628.78
corr(u_i, Xb) = 0.0211                          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.	.0005464	.0004926	1.11	0.268	-.0004236	.0015165
pres_party	.0176581	.0097732	1.81	0.072	-.0015902	.0369064
med_income	1.66e-08	7.22e-08	0.23	0.818	-1.26e-07	1.59e-07
index	-.0002509	.0001376	-1.82	0.069	-.0005219	.00002
r_sim_n50						
L1.	.0475916	.0248617	1.91	0.057	-.0013734	.0965566
year						
1998	-.0033305	.0030573	-1.09	0.277	-.0093518	.0026907
1999	-.0574219	.002253	-25.49	0.000	-.0618593	-.0529845
2000	-.0544935	.0032248	-16.90	0.000	-.0608448	-.0481422
2001	-.0537004	.0100218	-5.36	0.000	-.0734383	-.0339624
2002	-.054799	.0105611	-5.19	0.000	-.0755991	-.0339989
2003	.0084022	.0105349	0.80	0.426	-.0123464	.0291507
2004	.0085121	.0099996	0.85	0.395	-.0111821	.0282063
2005	-.0301361	.0107077	-2.81	0.005	-.051225	-.0090472
2006	-.0274561	.0103263	-2.66	0.008	-.0477938	-.0071184
2007	-.0569624	.0110278	-5.17	0.000	-.0786816	-.0352432
2008	-.0649091	.0114485	-5.67	0.000	-.087457	-.0423612
2009	-.0466652	.00576	-8.10	0.000	-.0580095	-.035321
2010	-.0476769	.0052413	-9.10	0.000	-.0579997	-.0373542
2011	.0050513	.0054941	0.92	0.359	-.0057694	.015872
2012	.0051275	.0044484	1.15	0.250	-.0036335	.0138886
2013	-.0199649	.003913	-5.10	0.000	-.0276716	-.0122582
2014	-.0146877	.0036139	-4.06	0.000	-.0218053	-.0075701
2015	.0006869	.0027644	0.25	0.804	-.0047576	.0061315
2016	.0052292	.003219	1.62	0.106	-.0011106	.011569
_cons	.3668147	.0175343	20.92	0.000	.3322809	.4013485
sigma_u	.02204534					
sigma_e	.04132733					
rho	.22151738	(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:
Within = 0.1648
Between = 0.1818
Overall = 0.1443

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

F(24, 215) = 208.67
corr(u_i, Xb) = 0.0212 — 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	-.0003304	.0004544	-0.73	0.468	-.001226	.0005652
pres_party	-.0024023	.008583	-0.28	0.780	-.0193199	.0145153
med_income	-4.04e-08	8.42e-08	-0.48	0.632	-2.06e-07	1.26e-07
index						
L1.	-.0000843	.0001103	-0.76	0.445	-.0003017	.000133
d_sim_n50						
L1.	.0350425	.0266757	1.31	0.190	-.0175369	.0876219
year						
1998	.0082914	.002835	2.92	0.004	.0027034	.0138793
1999	-.0478783	.0025974	-18.43	0.000	-.052998	-.0427585

```
       2000  |   -.035667   .0035045   -10.18   0.000    -.0425746   -.0287595
       2001  |  -.0110377   .0085416    -1.29   0.198    -.0278737    .0057982
       2002  |  -.0112508   .0090177    -1.25   0.214    -.0290253    .0065236
       2003  |  -.0045558   .0093373    -0.49   0.626    -.0229602    .0138487
       2004  |  -.0020595   .0093374    -0.22   0.826    -.0204641    .0163451
       2005  |  -.0171832   .0094729    -1.81   0.071    -.0358548    .0014884
       2006  |   -.018346   .0091379    -2.01   0.046    -.0363574   -.0003347
       2007  |  -.0260287   .0096196    -2.71   0.007    -.0449894   -.0070679
       2008  |  -.0261953   .0089488    -2.93   0.004     -.043834   -.0085566
       2009  |  -.0036409   .0048756    -0.75   0.456    -.0132509    .0059692
       2010  |    .000836   .0046432     0.18   0.857     -.008316    .0099879
       2011  |  -.0026968   .0044892    -0.60   0.549    -.0115452    .0061516
       2012  |  -.0025366   .0044599    -0.57   0.570    -.0113273    .0062542
       2013  |  -.0277969   .0032348    -8.59   0.000     -.034173   -.0214208
       2014  |  -.0284886   .0037332    -7.63   0.000     -.035847   -.0211301
       2015  |  -.0402156   .0024886   -16.16   0.000    -.0451207   -.0353105
       2016  |   -.031576   .0030967   -10.20   0.000    -.0376798   -.0254722
             |
       _cons |   .3885887   .0157621    24.65   0.000     .3575206    .4196568
-------------+----------------------------------------------------------------
     sigma_u |  .02128695
     sigma_e |  .03531023
         rho |  .26655789   (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  = 0.2966                                         min =          1
     Between = 0.1765                                         avg =       45.3
     Overall = 0.2649                                         max =         78

                                                F(24, 250)        =     628.77
corr(u_i, Xb) = 0.0189                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0004066    .000615    -0.66   0.509    -.0016178    .0008047
  pres_party |   .0194775    .010353     1.88   0.061    -.0009128    .0398678
  med_income |   1.45e-08   7.22e-08     0.20   0.841    -1.28e-07    1.57e-07
             |
       index |
         L1. |   7.73e-06   .0001113     0.07   0.945    -.0002114    .0002268
             |
   r_sim_n50 |
         L1. |   .0474691   .0249443     1.90   0.058    -.0016585    .0965968
             |
        year |
       1998  |  -.0038095   .0030684    -1.24   0.216    -.0098527    .0022337
       1999  |  -.0583119   .0025698   -22.69   0.000    -.0633731   -.0532506
       2000  |  -.0562659   .0033408   -16.84   0.000    -.0628457   -.0496862
       2001  |   -.051542   .0101784    -5.06   0.000    -.0715883   -.0314957
       2002  |  -.0523247   .0104237    -5.02   0.000    -.0728541   -.0317953
       2003  |   .0115065   .0101786     1.13   0.259    -.0085404    .0315533
       2004  |   .0096529   .0100054     0.96   0.336    -.0100528    .0293585
       2005  |  -.0273835   .0106933    -2.56   0.011    -.0484439   -.0063232
       2006  |  -.0247027   .0104441    -2.37   0.019    -.0452723   -.0041331
       2007  |  -.0538913   .0111019    -4.85   0.000    -.0757564   -.0320262
       2008  |  -.0559253   .0103358    -5.41   0.000    -.0762816   -.0355691
       2009  |   -.032973    .005549    -5.94   0.000    -.0439018   -.0220442
       2010  |  -.0345395   .0053251    -6.49   0.000    -.0450272   -.0240517
       2011  |   .0188187   .0053037     3.55   0.000     .0083729    .0292644
       2012  |   .0156404   .0050954     3.07   0.002      .005605    .0256758
       2013  |  -.0111387   .0039215    -2.84   0.005     -.018862   -.0034154
       2014  |  -.0076875   .0039234    -1.96   0.051    -.0154147    .0000396
       2015  |    .004317   .0028855     1.50   0.136     -.001366         .01
       2016  |   .0088457   .0033022     2.68   0.008      .002342    .0153495
             |
```

```
       _cons |   .3446069    .014203    24.26   0.000     .3166341    .3725796
-------------+----------------------------------------------------------------
     sigma_u |  .02208855
     sigma_e |  .04133638
         rho |  .22211785   (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  = 0.1647                                         min =          1
     Between = 0.1807                                         avg =       37.6
     Overall = 0.1438                                         max =         78

                                                F(24, 215)        =     208.25
corr(u_i, Xb) = 0.0199                          Prob > F          =     0.0000

                      (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   d_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |  -.0001461   .0004314    -0.34   0.735    -.0009964    .0007042
             |
  pres_party |  -.0021094   .0085174    -0.25   0.805    -.0188977    .0146789
  med_income |  -3.98e-08   8.41e-08    -0.47   0.637    -2.06e-07    1.26e-07
             |
       index |
         L1. |  -.0000713   .0001098    -0.65   0.516    -.0002877     .000145
             |
   d_sim_n50 |
         L1. |   .0349324   .0266966     1.31   0.192    -.0176883    .0875531
             |
        year |
        1998 |    .008184    .002831     2.89   0.004     .0026039     .013764
        1999 |  -.0478399   .0026135   -18.31   0.000    -.0529912   -.0426886
        2000 |   -.035665    .003487   -10.23   0.000     -.042538    -.028792
        2001 |  -.0112497    .008458    -1.33   0.185     -.027921    .0054215
        2002 |  -.0116525    .008984    -1.30   0.196    -.0293605    .0060555
        2003 |  -.0048851   .0093558    -0.52   0.602    -.0233259    .0135558
        2004 |  -.0024618   .0093195    -0.26   0.792     -.020831    .0159074
        2005 |  -.0174058   .0094297    -1.85   0.066    -.0359923    .0011807
        2006 |   -.018478   .0090681    -2.04   0.043    -.0363518   -.0006043
        2007 |   -.026197   .0095546    -2.74   0.007    -.0450298   -.0073643
        2008 |  -.0263709   .0089238    -2.96   0.003    -.0439603   -.0087815
        2009 |  -.0041011   .0048326    -0.85   0.397    -.0136264    .0054242
        2010 |   .0002695   .0046007     0.06   0.953    -.0087987    .0093378
        2011 |  -.0030244   .0044955    -0.67   0.502    -.0118853    .0058365
        2012 |  -.0028408   .0044813    -0.63   0.527    -.0116736    .0059921
        2013 |  -.0280063   .0032433    -8.64   0.000     -.034399   -.0216136
        2014 |  -.0285462   .0037518    -7.61   0.000    -.0359411   -.0211512
        2015 |  -.0402171   .0024936   -16.13   0.000    -.0451322   -.0353021
        2016 |  -.0315623   .0030982   -10.19   0.000     -.037669   -.0254556
             |
       _cons |   .3864377   .0156465    24.70   0.000     .3555975    .4172779
-------------+----------------------------------------------------------------
     sigma_u |  .02129574
     sigma_e |  .03531151
         rho |  .26670516   (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  = 0.2967                                         min =          1
     Between = 0.1797                                         avg =       45.3
     Overall = 0.2659                                         max =         78
```

```
                                                F(24, 250)        =     631.77
corr(u_i, Xb) = 0.0215                          Prob > F          =     0.0000

                      (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
   r_sim_n50 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |   .0005061   .0004925     1.03   0.305    -.0004638     .001476
             |
  pres_party |   .0189215    .010149     1.86   0.063     -.001067    .0389099
  med_income |   1.53e-08   7.21e-08     0.21   0.832    -1.27e-07    1.57e-07
             |
       index |
         L1. |   .0000127   .0001135     0.11   0.911    -.0002109    .0002364
             |
   r_sim_n50 |
         L1. |   .0477283   .0248133     1.92   0.056    -.0011415     .096598
             |
        year |
        1998 |  -.0035812   .0030313    -1.18   0.239    -.0095513     .002389
        1999 |  -.0577696   .0023448   -24.64   0.000    -.0623878   -.0531515
        2000 |  -.0554979   .0031555   -17.59   0.000    -.0617128   -.0492831
        2001 |  -.0506964   .0098387    -5.15   0.000    -.0700738    -.031319
        2002 |  -.0523525   .0105361    -4.97   0.000    -.0731033   -.0316017
        2003 |    .011298   .0103586     1.09   0.276    -.0091033    .0316994
        2004 |   .0096548   .0101035     0.96   0.340    -.0102441    .0295538
        2005 |  -.0269611   .0105488    -2.56   0.011     -.047737   -.0061852
        2006 |  -.0239542   .0101082    -2.37   0.019    -.0438624   -.0040461
        2007 |  -.0530047   .0106975    -4.95   0.000    -.0740733    -.031936
        2008 |  -.0557259    .010289    -5.42   0.000      -.07599   -.0354618
        2009 |  -.0367235   .0051842    -7.08   0.000    -.0469338   -.0265132
        2010 |  -.0388916   .0049157    -7.91   0.000     -.048573   -.0292102
        2011 |   .0152767   .0048464     3.15   0.002     .0057318    .0248216
        2012 |   .0127882   .0046353     2.76   0.006     .0036589    .0219174
        2013 |  -.0133185   .0037972    -3.51   0.001    -.0207971     -.00584
        2014 |  -.0089659   .0038522    -2.33   0.021    -.0165528    -.001379
        2015 |   .0038702   .0028722     1.35   0.179    -.0017865    .0095269
        2016 |   .0086632   .0032823     2.64   0.009     .0021988    .0151276
             |
       _cons |   .3394764   .0131013    25.91   0.000     .3136734    .3652795
-------------+----------------------------------------------------------------
     sigma_u |  .02204582
     sigma_e |  .04133492
         rho |  .22146158   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1458                                         min =          1
     Between = 0.2279                                         avg =       37.6
     Overall = 0.1451                                         max =         78

                                                F(80, 215)        =      78.89
corr(u_i, Xb) = 0.0679                          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	-.0001581	.0004527	-0.35	0.727	-.0010504	.0007342
pres_party	-.0806258	.0210899	-3.82	0.000	-.1221952	-.0390563
med_income	-2.09e-10	8.04e-08	-0.00	0.998	-1.59e-07	1.58e-07
index	-.0018189	.000469	-3.88	0.000	-.0027433	-.0008944
d_sim_n100						
L1.	.0294407	.0259576	1.13	0.258	-.0217233	.0806046
date						
150	.0009022	.0046567	0.19	0.847	-.0082764	.0100808
151	.0076862	.0033553	2.29	0.023	.0010727	.0142997
152	.0187271	.0046614	4.02	0.000	.0095392	.0279149
153	.0152894	.0042134	3.63	0.000	.0069845	.0235943
154	.0187627	.0042819	4.38	0.000	.0103228	.0272025
155	.0022618	.0040305	0.56	0.575	-.0056826	.0102062
156	-.017831	.0066877	-2.67	0.008	-.0310129	-.0046491
157	-.021626	.0023775	-9.10	0.000	-.0263123	-.0169398
158	-.0257474	.004798	-5.37	0.000	-.0352046	-.0162902
159	-.016614	.0038711	-4.29	0.000	-.0242442	-.0089839
160	-.0019132	.0063438	-0.30	0.763	-.0144172	.0105909
161	-.0035655	.0054432	-0.66	0.513	-.0142945	.0071634
162	.002037	.0063434	0.32	0.748	-.0104661	.0145401
163	-.014827	.0070892	-2.09	0.038	-.0288003	-.0008537
164	-.0171334	.0099827	-1.72	0.088	-.0368099	.002543
165	.075709	.016088	4.71	0.000	.0439985	.1074195
166	.0503146	.0161001	3.13	0.002	.0185803	.0820488
167	.0552963	.0142158	3.89	0.000	.0272761	.0833165
168	.063255	.0181345	3.49	0.001	.0275108	.0989992
169	.0725325	.0178606	4.06	0.000	.0373282	.1077369
170	.0590316	.015812	3.73	0.000	.0278651	.090198
171	.0384743	.0133503	2.88	0.004	.0121601	.0647884
172	.0407618	.0146251	2.79	0.006	.0119349	.0695888
173	.0650498	.0150325	4.33	0.000	.0354197	.0946798
174	.0544456	.0160524	3.39	0.001	.0228054	.0860858
175	.060684	.0172119	3.53	0.001	.0267583	.0946098
176	.0756044	.0203534	3.71	0.000	.0354866	.1157221
177	.0703916	.0179453	3.92	0.000	.0350204	.1057629
178	.0620516	.019226	3.23	0.001	.024156	.0999472
179	.0676337	.0177245	3.82	0.000	.0326976	.1025698
180	.0750399	.0191413	3.92	0.000	.0373113	.1127685
181	.076412	.0155046	4.93	0.000	.0458514	.1069725
182	.0585778	.015345	3.82	0.000	.028332	.0888236
183	.0531206	.0129662	4.10	0.000	.0275635	.0786777
184	.0682165	.0161267	4.23	0.000	.0364299	.1000031
185	.0589787	.0135444	4.35	0.000	.0322819	.0856754
186	.0540436	.0139517	3.87	0.000	.026544	.0815433
187	.0714577	.0169634	4.21	0.000	.0380218	.1048935
188	.0548436	.0190392	2.88	0.004	.0173162	.0923709
189	.057062	.0143221	3.98	0.000	.0288323	.0852917
190	.0493657	.0147643	3.34	0.001	.0202644	.078467
191	.0361059	.0107368	3.36	0.001	.0149431	.0572687
192	.0243426	.009594	2.54	0.012	.0054322	.0432531
193	.007624	.0050749	1.50	0.134	-.002379	.017627
194	.0155966	.0058938	2.65	0.009	.0039795	.0272138
195	0	(omitted)				
196	-.0585722	.0220234	-2.66	0.008	-.1019817	-.0151627
197	-.0306375	.016269	-1.88	0.061	-.0627046	.0014296
198	-.0404693	.0155778	-2.60	0.010	-.071174	-.0097645
199	-.0303303	.0148632	-2.04	0.043	-.0596265	-.0010341
200	-.0276599	.0130402	-2.12	0.035	-.053363	-.0019569
201	-.023828	.0131075	-1.82	0.070	-.0496636	.0020076
202	-.0324853	.0151765	-2.14	0.033	-.062399	-.0025716
203	-.025953	.0154523	-1.68	0.094	-.0564105	.0045045
204	-.0516102	.0164915	-3.13	0.002	-.0841159	-.0191044
205	-.0418891	.0152855	-2.74	0.007	-.0720178	-.0117604
206	-.0840747	.0196409	-4.28	0.000	-.122788	-.0453614
207	-.0632261	.0172022	-3.68	0.000	-.0971326	-.0293196

```
        208  |  -.0382177   .0120771    -3.16   0.002    -.0620223   -.0144131
        209  |  -.0379639   .0118818    -3.20   0.002    -.0613837   -.0145442
        210  |  -.0476648   .0122508    -3.89   0.000    -.0718119   -.0235177
        211  |   -.040602   .0125511    -3.23   0.001    -.0653409    -.015863
        212  |  -.0186031   .0143018    -1.30   0.195    -.0467928    .0095866
        213  |  -.0055627   .0103526    -0.54   0.592    -.0259683    .0148429
        214  |  -.0181876   .0100947    -1.80   0.073    -.0380849    .0017097
        215  |  -.0222116   .0117744    -1.89   0.061    -.0454196    .0009964
        216  |  -.0151915   .0099938    -1.52   0.130    -.0348899    .0045069
        217  |  -.0082692   .0090818    -0.91   0.364      -.02617    .0096316
        218  |  -.0064672   .0076985    -0.84   0.402    -.0216414    .0087069
        219  |  -.0055426   .0083766    -0.66   0.509    -.0220534    .0109681
        220  |  -.0094932   .0065891    -1.44   0.151    -.0224808    .0034943
        221  |  -.0193424   .0048075    -4.02   0.000    -.0288183   -.0098664
        222  |  -.0277097   .0062982    -4.40   0.000    -.0401238   -.0152956
        223  |  -.0234427   .0058894    -3.98   0.000     -.035051   -.0118343
        224  |  -.0166184   .0058089    -2.86   0.005    -.0280681   -.0051686
        225  |  -.0199114   .0050847    -3.92   0.000    -.0299336   -.0098892
        226  |           0  (omitted)
             |
       _cons |   .5416364   .0489493    11.07   0.000     .4451545    .6381183
-------------+----------------------------------------------------------------
     sigma_u |  .02124438
     sigma_e |  .03441014
         rho |  .27597459   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1415                                         min =          1
     Between = 0.0936                                         avg =       45.3
     Overall = 0.1208                                         max =         78

                                                F(80, 250)        =     136.54
corr(u_i, Xb) = 0.0180                          Prob > F          =     0.0000

                      (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  r_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |   .0002022   .0005036     0.40   0.688    -.0007896     .001194
  pres_party |  -.0564839   .0157207    -3.59   0.000    -.0874457   -.0255221
  med_income |   4.23e-08   7.58e-08     0.56   0.577    -1.07e-07    1.92e-07
       index |  -.0003406   .0004156    -0.82   0.413    -.0011592     .000478
             |
  r_sim_n100 |
         L1. |   .0194929   .0259562     0.75   0.453    -.0316277    .0706135
             |
        date |
         150 |   .0015911   .0063067     0.25   0.801      -.01083    .0140121
         151 |   .0052053   .0055818     0.93   0.352    -.0057881    .0161987
         152 |   .0027817   .0068505     0.41   0.685    -.0107104    .0162737
         153 |   .0025396    .006457     0.39   0.694    -.0101775    .0152567
         154 |  -.0066768   .0066991    -1.00   0.320    -.0198707    .0065171
         155 |  -.0084393   .0061124    -1.38   0.169    -.0204776     .003599
         156 |   -.029134   .0109776    -2.65   0.008    -.0507544   -.0075135
         157 |  -.0177484   .0023254    -7.63   0.000    -.0223283   -.0131685
         158 |  -.0140762   .0062582    -2.25   0.025    -.0264017   -.0017506
         159 |  -.0142474   .0057036    -2.50   0.013    -.0254807   -.0030141
         160 |  -.0167763   .0076954    -2.18   0.030    -.0319325   -.0016202
         161 |  -.0146997   .0072552    -2.03   0.044    -.0289889   -.0004105
         162 |  -.0181764    .007923    -2.29   0.023    -.0337807   -.0025721
         163 |  -.0280698   .0073879    -3.80   0.000    -.0426203   -.0135192
         164 |   -.033338   .0090059    -3.70   0.000     -.051075   -.0156009
         165 |   .0305952   .0128359     2.38   0.018     .0053149    .0558755
         166 |   .0409645   .0140108     2.92   0.004     .0133703    .0685587
         167 |   .0407576   .0124816     3.27   0.001      .016175    .0653402
```

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         168  |   .0411266   .0156639     2.63   0.009     .0102766    .0719765
         169  |   .0402877   .0164275     2.45   0.015     .0079337    .0726417
         170  |   .0361193   .0144831     2.49   0.013     .0075949    .0646437
         171  |   .0384345   .0120346     3.19   0.002     .0147323    .0621366
         172  |   .0351182   .0122361     2.87   0.004     .0110193    .0592172
         173  |   .0357932    .012644     2.83   0.005     .0108909    .0606955
         174  |   .0413228   .0142664     2.90   0.004     .0132251    .0694204
         175  |   .0455921   .0152021     3.00   0.003     .0156516    .0755325
         176  |   .0458611   .0175761     2.61   0.010     .0112449    .0804773
         177  |   .0427558   .0160116     2.67   0.008      .011221    .0742906
         178  |   .0456746   .0173396     2.63   0.009     .0115243    .0798249
         179  |   .0429069     .01565     2.74   0.007     .0120843    .0737296
         180  |   .0344999   .0175823     1.96   0.051    -.0001284    .0691283
         181  |   .0399114   .0129184     3.09   0.002     .0144686    .0653541
         182  |   .0449604   .0137025     3.28   0.001     .0179734    .0719474
         183  |   .0499854    .011602     4.31   0.000     .0271353    .0728355
         184  |   .0439143   .0141319     3.11   0.002     .0160815    .0717471
         185  |   .0467496   .0124404     3.76   0.000     .0222482     .071251
         186  |    .045429   .0129797     3.50   0.001     .0198655    .0709925
         187  |   .0466559   .0152673     3.06   0.002     .0165869    .0767248
         188  |    .011194   .0167388     0.67   0.504    -.0217731    .0441611
         189  |   .0146529   .0112043     1.31   0.192    -.0074139    .0367197
         190  |   .0152066    .012883     1.18   0.239    -.0101664    .0405796
         191  |     .02316   .0096631     2.40   0.017     .0041286    .0421914
         192  |   .0098825    .007801     1.27   0.206    -.0054816    .0252465
         193  |   .0087298   .0044626     1.96   0.052    -.0000593    .0175189
         194  |   .0057205   .0060137     0.95   0.342    -.0061234    .0175644
         195  |          0  (omitted)
         196  |   -.007043   .0173337    -0.41   0.685    -.0411817    .0270958
         197  |  -.0022163    .013591    -0.16   0.871    -.0289837    .0245512
         198  |   .0004334   .0116723     0.04   0.970    -.0225552     .023422
         199  |   .0055833   .0106825     0.52   0.602    -.0154558    .0266224
         200  |   .0027961   .0093924     0.30   0.766    -.0157023    .0212945
         201  |   .0008384   .0091647     0.09   0.927    -.0172116    .0188883
         202  |  -.0036718   .0106847    -0.34   0.731    -.0247153    .0173717
         203  |  -.0042644    .011945    -0.36   0.721    -.0277901    .0192613
         204  |   .0037986   .0119451     0.32   0.751    -.0197272    .0273244
         205  |   .0105233   .0115853     0.91   0.365     -.012294    .0333406
         206  |   .0051352   .0148824     0.35   0.730    -.0241756     .034446
         207  |   .0144771   .0125563     1.15   0.250    -.0102525    .0392067
         208  |   .0096782   .0086441     1.12   0.264    -.0073463    .0267026
         209  |   .0116385   .0079714     1.46   0.146    -.0040611    .0273381
         210  |   .0091986   .0080117     1.15   0.252    -.0065805    .0249777
         211  |   .0107278   .0086701     1.24   0.217     -.006348    .0278036
         212  |  -.0214312    .011024    -1.94   0.053     -.043143    .0002805
         213  |  -.0100251   .0067766    -1.48   0.140    -.0233716    .0033213
         214  |  -.0052958   .0061693    -0.86   0.391    -.0174462    .0068545
         215  |  -.0029474   .0074334    -0.40   0.692    -.0175875    .0116926
         216  |  -.0043275   .0059891    -0.72   0.471    -.0161231     .007468
         217  |   -.003397   .0047753    -0.71   0.478    -.0128019    .0060078
         218  |  -.0085663   .0045353    -1.89   0.060    -.0174985    .0003659
         219  |   .0007932   .0045385     0.17   0.861    -.0081454    .0097317
         220  |   -.021189   .0080905    -2.62   0.009    -.0371232   -.0052547
         221  |  -.0093408   .0025722    -3.63   0.000    -.0144066   -.0042749
         222  |  -.0052485   .0036157    -1.45   0.148    -.0123697    .0018727
         223  |  -.0012277   .0031186    -0.39   0.694    -.0073697    .0049144
         224  |  -.0067963    .003176    -2.14   0.033    -.0130515   -.0005411
         225  |  -.0020628    .002229    -0.93   0.356    -.0064529    .0023273
         226  |          0  (omitted)
              |
       _cons  |   .3885869   .0420737     9.24   0.000     .3057228    .4714509
-------------+----------------------------------------------------------------
     sigma_u |  .02234292
     sigma_e |  .03870642
         rho |  .24992883   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:
     Within = 0.1460
     Between = 0.2254
     Overall = 0.1458

corr(u_i, Xb) = 0.0671

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

F(80, 215)   =   81.15
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.	-.0006137	.0004297	-1.43	0.155	-.0014607	.0002332
pres_party	-.0782383	.0209001	-3.74	0.000	-.1194336	-.0370431
med_income	1.66e-09	8.02e-08	0.02	0.983	-1.56e-07	1.60e-07
index	-.0017614	.0004634	-3.80	0.000	-.0026748	-.0008481
d_sim_n100						
L1.	.0294572	.0259439	1.14	0.257	-.0216798	.0805941
date						
150	.0002184	.004616	0.05	0.962	-.0088801	.0093168
151	.0070066	.0033151	2.11	0.036	.0004723	.0135409
152	.0174605	.0045629	3.83	0.000	.0084668	.0264542
153	.0147849	.0041662	3.55	0.000	.006573	.0229967
154	.017879	.0042043	4.25	0.000	.009592	.0261659
155	.001702	.0040424	0.42	0.674	-.0062659	.0096698
156	-.0191156	.0068003	-2.81	0.005	-.0325194	-.0057118
157	-.0223611	.0023981	-9.32	0.000	-.0270879	-.0176343
158	-.0268239	.0048389	-5.54	0.000	-.0363617	-.017286
159	-.0176111	.0038423	-4.58	0.000	-.0251845	-.0100376
160	-.0035565	.0062915	-0.57	0.572	-.0159574	.0088444
161	-.0046408	.0054076	-0.86	0.392	-.0152995	.006018
162	.0006205	.0062451	0.10	0.921	-.0116891	.01293
163	-.015891	.0071484	-2.22	0.027	-.029981	-.001801
164	-.01788	.0101119	-1.77	0.078	-.0378112	.0020512
165	.0733172	.0159599	4.59	0.000	.0418592	.1047752
166	.0477905	.0159222	3.00	0.003	.0164068	.0791741
167	.053092	.0140686	3.77	0.000	.0253619	.0808221
168	.0607215	.0179776	3.38	0.001	.0252865	.0961564
169	.0706926	.017713	3.99	0.000	.0357793	.1056059
170	.0572717	.0156384	3.66	0.000	.0264475	.0880959
171	.0368447	.0131346	2.81	0.005	.0109555	.0627338
172	.039191	.0147006	2.67	0.008	.0102152	.0681667
173	.0635304	.0149339	4.25	0.000	.0340949	.0929659
174	.0527403	.0159273	3.31	0.001	.0213466	.084134
175	.0588508	.0170602	3.45	0.001	.0252242	.0924773
176	.0730231	.0201635	3.62	0.000	.0332797	.1127665
177	.0686182	.0177799	3.86	0.000	.0335729	.1036636
178	.0597485	.0190063	3.14	0.002	.022286	.097211
179	.0653635	.0175495	3.72	0.000	.0307723	.0999546
180	.0725472	.0191476	3.79	0.000	.0348061	.1102883
181	.074627	.0153815	4.85	0.000	.0443092	.1049449
182	.0565358	.0151815	3.72	0.000	.0266122	.0864595
183	.0513628	.012866	3.99	0.000	.0260032	.0767224
184	.0658838	.0160027	4.12	0.000	.0343415	.0974261
185	.0572598	.013418	4.27	0.000	.0308122	.0837074
186	.0519921	.0137888	3.77	0.000	.0248136	.0791706
187	.0690039	.0167393	4.12	0.000	.0360097	.1019981
188	.052055	.0191457	2.72	0.007	.0143178	.0897922
189	.0551317	.0142256	3.88	0.000	.0270923	.0831711
190	.0471643	.0146121	3.23	0.001	.0183629	.0759656
191	.03447	.0106429	3.24	0.001	.0134922	.0554478
192	.0227871	.0095377	2.39	0.018	.0039878	.0415865
193	.0073978	.0050152	1.48	0.142	-.0024875	.0172831
194	.0148465	.0058498	2.54	0.012	.0033162	.0263767
195	0	(omitted)				
196	-.0562666	.0215745	-2.61	0.010	-.0987912	-.013742
197	-.0273664	.0159932	-1.71	0.088	-.05889	.0041571

```
        198  |  -.0372011   .0153932    -2.42   0.016     -.067542   -.0068601
        199  |  -.0270275   .0146255    -1.85   0.066    -.0558552    .0018002
        200  |  -.0247825   .0127107    -1.95   0.053    -.0498361    .0002711
        201  |  -.0200689    .012941    -1.55   0.122    -.0455764    .0054386
        202  |  -.0290811   .0149869    -1.94   0.054    -.0586212    .0004591
        203  |   -.022703   .0152841    -1.49   0.139    -.0528289    .0074228
        204  |  -.0486526   .0159094    -3.06   0.003     -.080011   -.0172942
        205  |  -.0384488   .0149937    -2.56   0.011    -.0680022   -.0088954
        206  |  -.0803983    .019401    -4.14   0.000    -.1186388   -.0421577
        207  |  -.0597208   .0169692    -3.52   0.001    -.0931681   -.0262736
        208  |  -.0358044   .0118783    -3.01   0.003    -.0592173   -.0123915
        209  |  -.0351568   .0117501    -2.99   0.003    -.0583169   -.0119967
        210  |   -.045237   .0121997    -3.71   0.000    -.0692833   -.0211907
        211  |  -.0383376   .0125664    -3.05   0.003    -.0631067   -.0135685
        212  |  -.0164986   .0141474    -1.17   0.245     -.044384    .0113867
        213  |  -.0032848   .0101791    -0.32   0.747    -.0233483    .0167787
        214  |  -.0163914   .0100137    -1.64   0.103    -.0361291    .0033462
        215  |  -.0200942   .0116194    -1.73   0.085    -.0429967    .0028083
        216  |  -.0137287   .0098504    -1.39   0.165    -.0331445     .005687
        217  |  -.0065564   .0089561    -0.73   0.465    -.0242094    .0110965
        218  |  -.0053677   .0076319    -0.70   0.483    -.0204107    .0096752
        219  |  -.0047165   .0083898    -0.56   0.575    -.0212533    .0118202
        220  |  -.0094022   .0065656    -1.43   0.154    -.0223433    .0035389
        221  |  -.0188618   .0047556    -3.97   0.000    -.0282353   -.0094883
        222  |  -.0274083   .0062945    -4.35   0.000    -.0398151   -.0150014
        223  |  -.0231768   .0058837    -3.94   0.000    -.0347738   -.0115797
        224  |  -.0166501   .0057965    -2.87   0.004    -.0280754   -.0052248
        225  |   -.019644   .0050659    -3.88   0.000    -.0296292   -.0096589
        226  |           0  (omitted)
             |
       _cons |   .5385369   .0484535    11.11   0.000     .4430322    .6340416
-------------+----------------------------------------------------------------
     sigma_u |   .0212591
     sigma_e |  .03440509
         rho |  .27631013   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1417                                         min =          1
     Between = 0.0925                                         avg =       45.3
     Overall = 0.1213                                         max =         78

                                                F(80, 250)        =     137.71
corr(u_i, Xb) = 0.0178                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  r_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |   .0005785    .000397     1.46   0.146    -.0002034    .0013605
             |
  pres_party |   -.058201   .0157507    -3.70   0.000    -.0892219   -.0271801
  med_income |   4.29e-08   7.60e-08     0.56   0.573    -1.07e-07    1.93e-07
       index |  -.0003809   .0004146    -0.92   0.359    -.0011975    .0004357
             |
  r_sim_n100 |
         L1. |   .0195119   .0258808     0.75   0.452    -.0314602    .0704841
             |
        date |
         150 |    .002224   .0063177     0.35   0.725    -.0102186    .0146666
         151 |   .0057643   .0055708     1.03   0.302    -.0052073    .0167359
         152 |   .0038505   .0068657     0.56   0.575    -.0096715    .0173725
         153 |   .0029432   .0064606     0.46   0.649     -.009781    .0156674
         154 |  -.0059332    .006691    -0.89   0.376    -.0191111    .0072448
         155 |  -.0080052   .0060418    -1.32   0.186    -.0199046    .0038941
```

156	-.0281631	.0108358	-2.60	0.010	-.0495043	-.0068219
157	-.0171928	.0022925	-7.50	0.000	-.0217079	-.0126777
158	-.0132035	.0062706	-2.11	0.036	-.0255535	-.0008535
159	-.0134734	.0056621	-2.38	0.018	-.0246248	-.002322
160	-.0154864	.0077397	-2.00	0.046	-.0307296	-.0002431
161	-.0139011	.0072388	-1.92	0.056	-.0281579	.0003558
162	-.0171053	.0078965	-2.17	0.031	-.0326574	-.0015533
163	-.0271401	.0073062	-3.71	0.000	-.0415296	-.0127506
164	-.0325794	.0087474	-3.72	0.000	-.0498074	-.0153514
165	.0323449	.0129342	2.50	0.013	.006871	.0578188
166	.0428686	.0140743	3.05	0.003	.0151494	.0705878
167	.0424182	.012497	3.39	0.001	.0178054	.067031
168	.0430497	.015678	2.75	0.006	.012172	.0739275
169	.0415985	.016431	2.53	0.012	.0092376	.0739594
170	.0374201	.0145003	2.58	0.010	.0088618	.0659783
171	.0396792	.0120568	3.29	0.001	.0159334	.0634249
172	.0364196	.0121265	3.00	0.003	.0125366	.0603027
173	.0369064	.0126654	2.91	0.004	.011962	.0618509
174	.042616	.0142925	2.98	0.003	.014467	.0707651
175	.0469225	.0151934	3.09	0.002	.0169992	.0768458
176	.0478288	.0175946	2.72	0.007	.0131762	.0824813
177	.0440323	.0160154	2.75	0.006	.0124899	.0755747
178	.0474057	.0173415	2.73	0.007	.0132516	.0815599
179	.044568	.0156708	2.84	0.005	.0137044	.0754316
180	.0363893	.0174404	2.09	0.038	.0020404	.0707382
181	.0411827	.012976	3.17	0.002	.0156266	.0667389
182	.0465035	.0137921	3.37	0.001	.0193399	.0736671
183	.0512953	.011626	4.41	0.000	.028398	.0741926
184	.0456674	.0141416	3.23	0.001	.0178156	.0735192
185	.0480276	.0124855	3.85	0.000	.0234374	.0726178
186	.047026	.0130189	3.61	0.000	.0213854	.0726666
187	.0484395	.0153014	3.17	0.002	.0183035	.0785755
188	.0133454	.0165236	0.81	0.420	-.0191979	.0458886
189	.0161445	.0112394	1.44	0.152	-.0059914	.0382804
190	.0169479	.0129804	1.31	0.193	-.008617	.0425128
191	.0244115	.0096464	2.53	0.012	.005413	.04341
192	.0111406	.0078348	1.42	0.156	-.00429	.0265711
193	.0089955	.0044696	2.01	0.045	.0001926	.0177983
194	.0063996	.0060189	1.06	0.289	-.0054546	.0182537
195	0	(omitted)				
196	-.0086308	.0177347	-0.49	0.627	-.0435592	.0262977
197	-.0046129	.0135438	-0.34	0.734	-.0312874	.0220615
198	-.0020315	.0114526	-0.18	0.859	-.0245874	.0205245
199	.002925	.0106354	0.28	0.784	-.0180215	.0238714
200	.0005645	.0094898	0.06	0.953	-.0181255	.0192546
201	-.0021743	.0091548	-0.24	0.812	-.0202046	.0158559
202	-.0063172	.0106879	-0.59	0.555	-.027367	.0147326
203	-.0069098	.0120108	-0.58	0.566	-.0305651	.0167456
204	.0015622	.0125682	0.12	0.901	-.0231908	.0263153
205	.0079017	.0115504	0.68	0.495	-.0148469	.0306502
206	.0024167	.0147558	0.16	0.870	-.0266447	.0314782
207	.0117659	.0125929	0.93	0.351	-.0130359	.0365676
208	.0079055	.0086742	0.91	0.363	-.0091783	.0249894
209	.0095488	.0079305	1.20	0.230	-.0060704	.0251679
210	.007432	.0080107	0.93	0.354	-.0083452	.0232091
211	.0089106	.0087781	1.02	0.311	-.008378	.0261991
212	-.0228626	.0114495	-2.00	0.047	-.0454124	-.0003128
213	-.0117506	.0066995	-1.75	0.081	-.0249452	.001444
214	-.0066069	.0060419	-1.09	0.275	-.0185064	.0052926
215	-.004507	.0074808	-0.60	0.547	-.0192405	.0102265
216	-.0052808	.0061207	-0.86	0.389	-.0173356	.006774
217	-.004653	.0047864	-0.97	0.332	-.0140799	.0047739
218	-.0092848	.0045406	-2.04	0.042	-.0182275	-.0003422
219	.0000779	.0045522	0.02	0.986	-.0088877	.0090435
220	-.0211615	.0082033	-2.58	0.010	-.0373178	-.0050051
221	-.0096949	.0025337	-3.83	0.000	-.0146851	-.0047048
222	-.0054539	.0035961	-1.52	0.131	-.0125365	.0016287
223	-.0013962	.0031259	-0.45	0.656	-.0075526	.0047603
224	-.0066797	.0032135	-2.08	0.039	-.0130086	-.0003509
225	-.0022725	.0022315	-1.02	0.309	-.0066675	.0021225
226	0	(omitted)				

```
       _cons |   .3903503   .0414414     9.42   0.000     .3087316     .471969
-------------+----------------------------------------------------------------
     sigma_u |  .02234596
     sigma_e |  .03870222
         rho |  .25002053   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1458                                         min =          1
     Between = 0.2279                                         avg =       37.6
     Overall = 0.1451                                         max =         78

                                                F(80, 215)        =      78.89
corr(u_i, Xb) = 0.0679                          Prob > F          =     0.0000

                      (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  d_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0001581   .0004527    -0.35   0.727    -.0010504    .0007342
  pres_party |  -.1179287   .0305159    -3.86   0.000    -.1780773   -.0577801
  med_income |  -2.09e-10   8.04e-08    -0.00   0.998    -1.59e-07    1.58e-07
             |
       index |
         L1. |  -.0034999   .0009025    -3.88   0.000    -.0052788    -.001721
             |
  d_sim_n100 |
         L1. |   .0294407   .0259576     1.13   0.258    -.0217233    .0806046
             |
        date |
         150 |   .0098091   .0061629     1.59   0.113    -.0023384    .0219565
         151 |   .0278479     .00766     3.64   0.000     .0127497    .0429462
         152 |    .030996    .007261     4.27   0.000     .0166841     .045308
         153 |   .0389951   .0096201     4.05   0.000     .0200334    .0579568
         154 |   .0455025   .0100523     4.53   0.000     .0256888    .0653162
         155 |   .0231042   .0064848     3.56   0.000     .0103224     .035886
         156 |  -.0189058   .0065744    -2.88   0.004    -.0318642   -.0059473
         157 |   -.003297    .006497    -0.51   0.612    -.0161029     .009509
         158 |  -.0058227   .0086063    -0.68   0.499    -.0227863    .0111409
         159 |   .0035339   .0081132     0.44   0.664    -.0124577    .0195255
         160 |   .0068724   .0081646     0.84   0.401    -.0092204    .0229653
         161 |   .0247341   .0119139     2.08   0.039     .0012512     .048217
         162 |   .0281513   .0121187     2.32   0.021     .0042647    .0520379
         163 |   .0132853   .0106637     1.25   0.214    -.0077335    .0343041
         164 |   .0194778   .0108838     1.79   0.075    -.0019748    .0409304
         165 |   .1113888   .0249088     4.47   0.000     .0622921    .1604854
         166 |   .0859916   .0248532     3.46   0.001     .0370045    .1349787
         167 |   .0884076   .0223527     3.96   0.000     .0443492     .132466
         168 |   .0699158   .0197671     3.54   0.000     .0309537    .1088779
         169 |   .1053738   .0260563     4.04   0.000     .0540152    .1567323
         170 |   .1077409    .027955     3.85   0.000     .0526399    .1628419
         171 |   .0697502   .0210527     3.31   0.001     .0282541    .1112464
         172 |   .0666997   .0200083     3.33   0.001     .0272622    .1061373
         173 |   .0607727    .014013     4.34   0.000     .0331522    .0883932
         174 |   .0827177   .0230335     3.59   0.000     .0373173    .1281181
         175 |   .0840452   .0230361     3.65   0.000     .0386396    .1294508
         176 |   .0973203   .0258046     3.77   0.000      .046458    .1481827
         177 |   .1220056   .0309134     3.95   0.000     .0610736    .1829377
         178 |   .0932146    .027016     3.45   0.001     .0399644    .1464647
         179 |   .1095885   .0282953     3.87   0.000     .0538167    .1653603
         180 |   .1106811   .0275728     4.01   0.000     .0563334    .1650288
         181 |   .1198467   .0262663     4.56   0.000     .0680741    .1716192
         182 |   .0934556   .0239341     3.90   0.000     .0462801    .1406311
         183 |    .087293   .0213351     4.09   0.000     .0452401    .1293458
         184 |   .0730667   .0173079     4.22   0.000     .0389519    .1071816
         185 |   .0958545   .0226035     4.24   0.000     .0513017    .1404072
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         186  |   .0727061   .0185085     3.93   0.000     .0362247    .1091876
         187  |   .0753599   .0179464     4.20   0.000     .0399865    .1107334
         188  |   .0890407   .0269897     3.30   0.001     .0358423    .1422391
         189  |    .099849   .0247985     4.03   0.000     .0509698    .1487283
         190  |    .075604   .0211885     3.57   0.000     .0338402    .1173678
         191  |   .0735908   .0198462     3.71   0.000     .0344728    .1127088
         192  |    .041145   .0133739     3.08   0.002     .0147841    .0675058
         193  |   .0325175   .0091501     3.55   0.000     .0144821    .0505528
         194  |  -.0155167   .0058151    -2.67   0.008    -.0269786   -.0040549
         195  |          0  (omitted)
         196  |  -.1218158   .0374832    -3.25   0.001    -.1956974   -.0479343
         197  |  -.1097878   .0364819    -3.01   0.003    -.1816959   -.0378798
         198  |  -.0853343   .0269246    -3.17   0.002    -.1384042   -.0322643
         199  |  -.0775873   .0267819    -2.90   0.004    -.1303761   -.0247986
         200  |  -.0758788   .0250942    -3.02   0.003    -.1253408   -.0264167
         201  |  -.0587472   .0218693    -2.69   0.008    -.1018529   -.0156414
         202  |  -.0572189   .0213935    -2.67   0.008    -.0993868    -.015051
         203  |  -.0755607    .027568    -2.74   0.007    -.1298988   -.0212226
         204  |   -.094524   .0262157    -3.61   0.000    -.1461968   -.0428513
         205  |  -.0759705     .02388    -3.18   0.002    -.1230395   -.0289015
         206  |  -.0998023   .0236118    -4.23   0.000    -.1463426    -.053262
         207  |  -.1318106   .0346393    -3.81   0.000    -.2000867   -.0635344
         208  |  -.1082462   .0297007    -3.64   0.000     -.166788   -.0497044
         209  |  -.0716485   .0203141    -3.53   0.001    -.1116888   -.0316082
         210  |  -.0761849   .0193131    -3.94   0.000    -.1142522   -.0381177
         211  |  -.0816749   .0222231    -3.68   0.000    -.1254779   -.0378719
         212  |  -.0393655    .018939    -2.08   0.039    -.0766955   -.0020356
         213  |  -.0448691   .0201319    -2.23   0.027    -.0845503   -.0051879
         214  |  -.0398126   .0152756    -2.61   0.010    -.0699217   -.0097036
         215  |  -.0356381   .0150887    -2.36   0.019    -.0653787   -.0058974
         216  |  -.0523429   .0191714    -2.73   0.007    -.0901308   -.0145549
         217  |  -.0348768    .015572    -2.24   0.026    -.0655701   -.0041835
         218  |  -.0267888   .0126799    -2.11   0.036    -.0517817   -.0017958
         219  |  -.0375324    .014711    -2.55   0.011    -.0665286   -.0085361
         220  |   -.028051   .0095576    -2.93   0.004    -.0468895   -.0092125
         221  |  -.0155862   .0041607    -3.75   0.000    -.0237871   -.0073852
         222  |  -.0223193   .0054197    -4.12   0.000    -.0330018   -.0116368
         223  |  -.0308614   .0073924    -4.17   0.000    -.0454322   -.0162905
         224  |  -.0226509    .007023    -3.23   0.001    -.0364937    -.008808
         225  |  -.0268809   .0064462    -4.17   0.000    -.0395868   -.0141751
         226  |          0  (omitted)
              |
       _cons  |   .7007858    .089421     7.84   0.000     .5245317    .8770399
-------------+----------------------------------------------------------------
     sigma_u |  .02124438
     sigma_e |  .03441014
         rho |  .27597459   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1415                                         min =          1
     Between = 0.0936                                         avg =       45.3
     Overall = 0.1208                                         max =         78

                                                F(80, 250)        =     136.54
corr(u_i, Xb) = 0.0180                          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	.0002022	.0005036	0.40	0.688	-.0007896	.001194
pres_party	-.0634693	.0240128	-2.64	0.009	-.1107624	-.0161762
med_income	4.23e-08	7.58e-08	0.56	0.577	-1.07e-07	1.92e-07
index						
L1.	-.0006554	.0007998	-0.82	0.413	-.0022305	.0009197
r_sim_n100						
L1.	.0194929	.0259562	0.75	0.453	-.0316277	.0706135
date						
150	.0032589	.0080932	0.40	0.688	-.0126806	.0191985
151	.0089808	.0096772	0.93	0.354	-.0100785	.0280401
152	.0050791	.0093205	0.54	0.586	-.0132776	.0234359
153	.0069787	.0114727	0.61	0.544	-.0156168	.0295742
154	-.0016695	.0120627	-0.14	0.890	-.025427	.022088
155	-.0045364	.0092583	-0.49	0.625	-.0227706	.0136978
156	-.0293352	.0108802	-2.70	0.007	-.0507638	-.0079067
157	-.0143161	.0061353	-2.33	0.020	-.0263997	-.0022326
158	-.0103451	.0103767	-1.00	0.320	-.0307819	.0100918
159	-.0104745	.0098033	-1.07	0.286	-.0297821	.0088332
160	-.0151311	.0094983	-1.59	0.112	-.0338381	.0035758
161	-.0094003	.0133358	-0.70	0.482	-.0356652	.0168646
162	-.0132862	.013381	-0.99	0.322	-.03964	.0130675
163	-.0228055	.0123034	-1.85	0.065	-.0470369	.001426
164	-.0264821	.0120917	-2.19	0.029	-.0502968	-.0026675
165	.0372766	.0206064	1.81	0.072	-.0033076	.0778608
166	.0476453	.0218631	2.18	0.030	.004586	.0907046
167	.046958	.0197052	2.38	0.018	.0081487	.0857673
168	.0423739	.0171273	2.47	0.014	.0086418	.076106
169	.0464375	.0237348	1.96	0.052	-.0003082	.0931832
170	.0452406	.0252902	1.79	0.075	-.0045684	.0950496
171	.0442912	.0189379	2.34	0.020	.006993	.0815893
172	.0399754	.0173355	2.31	0.022	.0058331	.0741177
173	.0349923	.0117368	2.98	0.003	.0118767	.0581079
174	.046617	.0204623	2.28	0.024	.0063165	.0869175
175	.0499667	.0203595	2.45	0.015	.0098686	.0900648
176	.0499276	.0224049	2.23	0.027	.0058012	.0940541
177	.052421	.0275334	1.90	0.058	-.0018059	.106648
178	.0515102	.024299	2.12	0.035	.0036533	.099367
179	.0507634	.02508	2.02	0.044	.0013683	.1001584
180	.0411741	.025103	1.64	0.102	-.0082662	.0906143
181	.048045	.0224453	2.14	0.033	.0038389	.092251
182	.0514916	.0213189	2.42	0.016	.0095042	.0934791
183	.0563845	.0190034	2.97	0.003	.0189574	.0938116
184	.0448226	.0151785	2.95	0.003	.0149285	.0747166
185	.0536549	.0205297	2.61	0.010	.0132217	.0940882
186	.0489238	.0170504	2.87	0.004	.015343	.0825045
187	.0473866	.016138	2.94	0.004	.0156028	.0791704
188	.0175977	.0237307	0.74	0.459	-.0291398	.0643353
189	.0226652	.020511	1.11	0.270	-.0177312	.0630616
190	.02012	.0185522	1.08	0.279	-.0164185	.0566584
191	.0301794	.017641	1.71	0.088	-.0045646	.0649234
192	.0130289	.0111531	1.17	0.244	-.0089372	.0349949
193	.0133914	.008073	1.66	0.098	-.0025085	.0292912
194	-.0001058	.0053988	-0.02	0.984	-.0107387	.0105272
195	0	(omitted)				
196	-.018886	.0306417	-0.62	0.538	-.0792347	.0414628
197	-.0170379	.0313861	-0.54	0.588	-.0788527	.0447769
198	-.007968	.0212665	-0.37	0.708	-.0498523	.0339164
199	-.0032661	.0210656	-0.16	0.877	-.0447547	.0382225
200	-.0062333	.019856	-0.31	0.754	-.0453397	.032873
201	-.0057006	.0165726	-0.34	0.731	-.0383403	.0269391
202	-.0083034	.0158878	-0.52	0.602	-.0395944	.0229876
203	-.0135539	.0221436	-0.61	0.541	-.0571657	.0300579
204	-.0042374	.0203561	-0.21	0.835	-.0443287	.0358539
205	.0041412	.0191744	0.22	0.829	-.0336227	.0419051

```
         206  |   .0021901   .0183202     0.12   0.905    -.0338915    .0382717
         207  |    .001634   .0279179     0.06   0.953    -.0533503    .0566183
         208  |  -.0034353   .0240445    -0.14   0.887    -.0507909    .0439202
         209  |   .0053307   .0151561     0.35   0.725    -.0245193    .0351807
         210  |   .0038579   .0139879     0.28   0.783    -.0236912     .031407
         211  |   .0030365   .0166028     0.18   0.855    -.0296628    .0357357
         212  |  -.0253192   .0145509    -1.74   0.083    -.0539772    .0033387
         213  |  -.0173856   .0153931    -1.13   0.260    -.0477023     .012931
         214  |  -.0093453    .010466    -0.89   0.373    -.0299581    .0112674
         215  |  -.0054617   .0102781    -0.53   0.596    -.0257044    .0147811
         216  |  -.0112845   .0139193    -0.81   0.418    -.0386985    .0161295
         217  |  -.0083796   .0104438    -0.80   0.423    -.0289486    .0121895
         218  |  -.0123717   .0084049    -1.47   0.142    -.0289252    .0041817
         219  |  -.0051972   .0096575    -0.54   0.591    -.0242178    .0138233
         220  |  -.0246641    .008783    -2.81   0.005    -.0419621   -.0073661
         221  |  -.0086374   .0024655    -3.50   0.001    -.0134933   -.0037815
         222  |  -.0042391   .0035129    -1.21   0.229    -.0111577    .0026796
         223  |  -.0026169   .0038492    -0.68   0.497    -.0101979    .0049641
         224  |  -.0079259   .0036925    -2.15   0.033    -.0151983   -.0006535
         225  |  -.0033679   .0027375    -1.23   0.220    -.0087595    .0020237
         226  |           0  (omitted)
              |
       _cons  |   .4183892   .0776819     5.39   0.000     .2653947    .5713836
-------------+----------------------------------------------------------------
     sigma_u |  .02234292
     sigma_e |  .03870642
         rho |  .24992883   (fraction of variance due to u_i)
------------------------------------------------------------------------------
note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1460                                         min =          1
     Between = 0.2254                                         avg =       37.6
     Overall = 0.1458                                         max =         78

                                                F(80, 215)        =      81.15
corr(u_i, Xb) = 0.0671                          Prob > F          =     0.0000

                    (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  d_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |  -.0006137   .0004297    -1.43   0.155    -.0014607    .0002332
             |
  pres_party |  -.1143634    .030217    -3.78   0.000     -.173923   -.0548038
  med_income |   1.66e-09   8.02e-08     0.02   0.983    -1.56e-07    1.60e-07
             |
       index |
         L1. |  -.0033894   .0008917    -3.80   0.000    -.0051469   -.0016319
             |
  d_sim_n100 |
         L1. |   .0294572   .0259439     1.14   0.257    -.0216798    .0805941
             |
        date |
         150 |    .008844   .0060825     1.45   0.147     -.003145     .020833
         151 |   .0265316   .0075409     3.52   0.001     .0116681    .0413952
         152 |    .029342   .0071062     4.13   0.000     .0153353    .0433488
         153 |    .037742   .0095028     3.97   0.000     .0190115    .0564725
         154 |   .0437745   .0098705     4.43   0.000     .0243192    .0632297
         155 |   .0218862   .0064002     3.42   0.001      .009271    .0345015
         156 |  -.0201565   .0066911    -3.01   0.003     -.033345   -.0069679
         157 |  -.0046108   .0064273    -0.72   0.474    -.0172794    .0080577
         158 |  -.0075284    .008546    -0.88   0.379    -.0243729    .0093162
         159 |   .0019006    .008004     0.24   0.813    -.0138757     .017677
         160 |   .0049517   .0080682     0.61   0.540    -.0109512    .0208546
         161 |   .0227653   .0117836     1.93   0.055     -.000461    .0459915
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         162  |   .0259101   .0119139     2.17   0.031     .0024271    .0493932
         163  |   .0113335   .0105605     1.07   0.284    -.0094818    .0321488
         164  |   .0175752   .0109989     1.60   0.112    -.0041043    .0392547
         165  |   .1078703   .0246719     4.37   0.000     .0592405    .1565001
         166  |   .0823409   .0245661     3.35   0.001     .0339198    .1307621
         167  |   .0851578   .0220956     3.85   0.000     .0416061    .1287095
         168  |    .067172   .0195881     3.43   0.001     .0285626    .1057813
         169  |   .1024968   .0258088     3.97   0.000     .0516261    .1533676
         170  |   .1044429   .0276325     3.78   0.000     .0499776    .1589083
         171  |    .067133   .0207296     3.24   0.001     .0262737    .1079923
         172  |   .0643098    .020007     3.21   0.002     .0248749    .1037447
         173  |   .0593884   .0139263     4.26   0.000     .0319388    .0868379
         174  |   .0801197   .0228247     3.51   0.001     .0351309    .1251085
         175  |   .0814743   .0228161     3.57   0.000     .0365024    .1264462
         176  |   .0940534   .0255464     3.68   0.000     .0436999    .1444068
         177  |   .1186024   .0306021     3.88   0.000     .0582839     .178921
         178  |   .0899275    .026703     3.37   0.001     .0372943    .1425606
         179  |   .1059935   .0279963     3.79   0.000      .050811    .1611759
         180  |    .107063   .0274458     3.90   0.000     .0529657    .1611603
         181  |   .1166902   .0260218     4.48   0.000     .0653997    .1679807
         182  |   .0903123   .0236724     3.82   0.000     .0436526    .1369721
         183  |    .084456   .0211325     4.00   0.000     .0428027    .1261094
         184  |   .0705809   .0171683     4.11   0.000     .0367412    .1044206
         185  |   .0929712   .0223794     4.15   0.000     .0488602    .1370823
         186  |   .0700653   .0182934     3.83   0.000     .0340079    .1061227
         187  |   .0727829   .0177123     4.11   0.000      .037871    .1076949
         188  |   .0851723   .0269573     3.16   0.002     .0320379    .1383067
         189  |   .0965677   .0245845     3.93   0.000     .0481102    .1450252
         190  |    .072574     .02096     3.46   0.001     .0312606    .1138875
         191  |   .0707712   .0196378     3.60   0.000     .0320639    .1094786
         192  |   .0390589   .0132613     2.95   0.004        .01292    .0651977
         193  |   .0315052   .0090752     3.47   0.001     .0136175    .0493929
         194  |  -.0152844   .0057691    -2.65   0.009    -.0266557   -.0039132
         195  |          0  (omitted)
         196  |  -.1175132   .0369139    -3.18   0.002    -.1902725   -.0447538
         197  |  -.1040174   .0359876    -2.89   0.004    -.1749512   -.0330837
         198  |  -.0806494   .0266088    -3.03   0.003     -.133097   -.0282018
         199  |  -.0727923   .0264311    -2.75   0.006    -.1248896    -.020695
         200  |  -.0714788   .0247006    -2.89   0.004    -.1201652   -.0227923
         201  |  -.0538854   .0215825    -2.50   0.013    -.0964258   -.0113451
         202  |  -.0530337   .0211358    -2.51   0.013    -.0946936   -.0113737
         203  |  -.0707443   .0272693    -2.59   0.010    -.1244936    -.016995
         204  |  -.0902114   .0256393    -3.52   0.001    -.1407479   -.0396748
         205  |   -.071454   .0234948    -3.04   0.003    -.1177637   -.0251442
         206  |  -.0956292   .0233243    -4.10   0.000    -.1416027   -.0496556
         207  |  -.1261396    .034206    -3.69   0.000    -.1935617   -.0587175
         208  |  -.1036216   .0293223    -3.53   0.001    -.1614177   -.0458256
         209  |  -.0677777   .0200666    -3.38   0.001    -.1073301   -.0282254
         210  |  -.0728565   .0191613    -3.80   0.000    -.1106246   -.0350884
         211  |  -.0781136   .0220978    -3.53   0.000    -.1216697   -.0345574
         212  |  -.0366055   .0187352    -1.95   0.052    -.0735337    .0003228
         213  |  -.0413501   .0198386    -2.08   0.038    -.0804531   -.0022471
         214  |  -.0373336   .0151332    -2.47   0.014    -.0671621   -.0075052
         215  |  -.0330967   .0148993    -2.22   0.027     -.062464   -.0037293
         216  |   -.049707   .0189375    -2.62   0.009     -.087034     -.01238
         217  |  -.0323238   .0153646    -2.10   0.037    -.0626084   -.0020392
         218  |  -.0250476   .0125568    -1.99   0.047    -.0497978   -.0002973
         219  |  -.0356961   .0146534    -2.44   0.016    -.0645789   -.0068134
         220  |   -.027374   .0094871    -2.89   0.004    -.0460736   -.0086744
         221  |  -.0152242   .0041228    -3.69   0.000    -.0233505   -.0070979
         222  |  -.0221881   .0054181    -4.10   0.000    -.0328675   -.0115087
         223  |  -.0303612     .00737    -4.12   0.000    -.0448879   -.0158345
         224  |  -.0224921    .007004    -3.21   0.002    -.0362974   -.0086868
         225  |  -.0263935   .0064034    -4.12   0.000     -.039015    -.013772
         226  |          0  (omitted)
              |
       _cons  |   .6926609   .0883621     7.84   0.000     .5184939    .8668279
-------------+----------------------------------------------------------------
     sigma_u |   .0212591
     sigma_e |  .03440509
         rho |  .27631013   (fraction of variance due to u_i)
------------------------------------------------------------------------------
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note: 195.date omitted because of collinearity.
note: 226.date omitted because of collinearity.

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

R-squared:                                      Obs per group:
     Within  = 0.1417                                         min =          1
     Between = 0.0925                                         avg =       45.3
     Overall = 0.1213                                         max =         78

                                                F(80, 250)         =     137.71
corr(u_i, Xb) = 0.0178                          Prob > F           =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  r_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |   .0005785    .000397     1.46   0.146    -.0002034    .0013605
             |
  pres_party |   -.066013   .0240202    -2.75   0.006    -.1133208   -.0187052
  med_income |   4.29e-08   7.60e-08     0.56   0.573    -1.07e-07    1.93e-07
             |
       index |
         L1. |   -.000733   .0007978    -0.92   0.359    -.0023043    .0008384
             |
  r_sim_n100 |
         L1. |   .0195119   .0258808     0.75   0.452    -.0314602    .0704841
             |
        date |
         150 |   .0040893   .0080998     0.50   0.614    -.0118632    .0200417
         151 |   .0099866   .0096622     1.03   0.302    -.0090431    .0290163
         152 |   .0064199   .0093252     0.69   0.492     -.011946    .0247858
         153 |   .0079076   .0114651     0.69   0.491    -.0146729    .0304882
         154 |  -.0003333   .0120438    -0.03   0.978    -.0240535     .023387
         155 |  -.0036404    .009186    -0.40   0.692    -.0217323    .0144515
         156 |  -.0283882   .0107385    -2.64   0.009    -.0495376   -.0072388
         157 |  -.0133543   .0061206    -2.18   0.030    -.0254088   -.0012999
         158 |  -.0090308   .0103819    -0.87   0.385    -.0294779    .0114162
         159 |   -.009254   .0097727    -0.95   0.345    -.0285014    .0099933
         160 |  -.0136465   .0095352    -1.43   0.154    -.0324262    .0051332
         161 |  -.0079745   .0133242    -0.60   0.550    -.0342165    .0182674
         162 |  -.0116365    .013359    -0.87   0.385     -.037947     .014674
         163 |  -.0212528   .0122443    -1.74   0.084    -.0453679    .0028623
         164 |  -.0249122   .0118707    -2.10   0.037    -.0482916   -.0015328
         165 |    .039817   .0206717     1.93   0.055    -.0008959    .0805299
         166 |   .0503401   .0218995     2.30   0.022      .007209    .0934712
         167 |   .0493524   .0197047     2.50   0.013      .010544    .0881607
         168 |   .0444446   .0171375     2.59   0.010     .0106923     .078197
         169 |   .0484762   .0237212     2.04   0.042     .0017573     .095195
         170 |   .0476208   .0252801     1.88   0.061    -.0021683      .09741
         171 |    .046229   .0189341     2.44   0.015     .0089383    .0835197
         172 |   .0418516    .017241     2.43   0.016     .0078955    .0758076
         173 |   .0360107   .0117612     3.06   0.002     .0128472    .0591743
         174 |   .0485368   .0204677     2.37   0.018     .0082258    .0888479
         175 |   .0518148   .0203388     2.55   0.011     .0117575    .0918721
         176 |   .0523765   .0224135     2.34   0.020     .0082333    .0965198
         177 |   .0548413   .0275127     1.99   0.047     .0006551    .1090276
         178 |   .0539319   .0242849     2.22   0.027     .0061028     .101761
         179 |   .0533542   .0250735     2.13   0.034     .0039719    .1027365
         180 |   .0438533    .024976     1.76   0.080     -.005337    .0930435
         181 |   .0502789   .0224677     2.24   0.026     .0060288     .094529
         182 |   .0538077   .0213733     2.52   0.012      .011713    .0959023
         183 |   .0584517   .0190081     3.08   0.002     .0210153    .0958882
         184 |   .0466832   .0151891     3.07   0.002     .0167682    .0765981
         185 |   .0557502   .0205542     2.71   0.007     .0152688    .0962316
         186 |   .0509343   .0170774     2.98   0.003     .0173004    .0845683
         187 |   .0492567   .0161693     3.05   0.003     .0174113     .081102
         188 |    .020507   .0235537     0.87   0.385    -.0258819    .0668959
         189 |    .025105   .0205188     1.22   0.222    -.0153068    .0655168
```

```
         190  |   .0224428   .0186238     1.21   0.229    -.0142368    .0591223
         191  |   .0322616     .01762     1.83   0.068    -.0024409    .0669641
         192  |   .0146593   .0111932     1.31   0.192    -.0073857    .0367044
         193  |   .0142087   .0080917     1.76   0.080    -.0017279    .0301452
         194  |  -.0001162    .005387    -0.02   0.983    -.0107258    .0104934
         195  |          0  (omitted)
         196  |  -.0218753   .0308909    -0.71   0.480     -.082715    .0389643
         197  |  -.0211887    .031379    -0.68   0.500    -.0829896    .0406122
         198  |  -.0114271   .0211693    -0.54   0.590    -.0531201    .0302658
         199  |  -.0069716   .0210701    -0.33   0.741    -.0484692    .0345259
         200  |  -.0095335   .0199199    -0.48   0.633    -.0487657    .0296987
         201  |  -.0094871   .0166056    -0.57   0.568    -.0421918    .0232175
         202  |  -.0114969   .0159254    -0.72   0.471     -.042862    .0198682
         203  |  -.0172987   .0222209    -0.78   0.437    -.0610628    .0264654
         204  |  -.0074248   .0207686    -0.36   0.721    -.0483285    .0334789
         205  |   .0007643    .019174     0.04   0.968    -.0369988    .0385275
         206  |  -.0008769   .0182213    -0.05   0.962    -.0367637    .0350098
         207  |  -.0025971   .0279442    -0.09   0.926    -.0576333     .052439
         208  |  -.0067599   .0240407    -0.28   0.779    -.0541081    .0405883
         209  |   .0024945   .0151546     0.16   0.869    -.0273525    .0323415
         210  |   .0014593   .0140014     0.10   0.917    -.0261164     .029035
         211  |    .000309    .016691     0.02   0.985    -.0325639    .0331819
         212  |  -.0272107   .0149036    -1.83   0.069    -.0565634     .002142
         213  |  -.0199822   .0153641    -1.30   0.195    -.0502418    .0102774
         214  |  -.0111356    .010391    -1.07   0.285    -.0316007    .0093295
         215  |  -.0073188   .0103191    -0.71   0.479    -.0276422    .0130046
         216  |  -.0130611   .0139579    -0.94   0.350    -.0405511    .0144289
         217  |  -.0102251   .0104474    -0.98   0.329    -.0308013     .010351
         218  |  -.0135406   .0084154    -1.61   0.109    -.0301147    .0030335
         219  |  -.0066214   .0096683    -0.68   0.494    -.0256631    .0124203
         220  |  -.0250479   .0089167    -2.81   0.005    -.0426092   -.0074865
         221  |  -.0089083   .0024227    -3.68   0.000    -.0136799   -.0041367
         222  |  -.0043251   .0034979    -1.24   0.217    -.0112141     .002564
         223  |  -.0029498   .0038587    -0.76   0.445    -.0105494    .0046499
         224  |  -.0079431   .0037106    -2.14   0.033    -.0152512    -.000635
         225  |  -.0037321    .002738    -1.36   0.174    -.0091246    .0016604
         226  |          0  (omitted)
              |
       _cons  |   .4236796   .0771417     5.49   0.000     .2717492    .5756099
-------------+----------------------------------------------------------------
     sigma_u |  .02234596
     sigma_e |  .03870222
         rho |  .25002053   (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  = 0.1284                                         min =          1
     Between = 0.2199                                         avg =       37.6
     Overall = 0.1301                                         max =         78

                                                F(24, 215)        =     176.76
corr(u_i, Xb) = 0.0665                          Prob > F          =     0.0000

                    (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  d_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |   -.000253   .0004604    -0.55   0.583    -.0011604    .0006544
  pres_party |   .0044102   .0085258     0.52   0.605    -.0123947     .021215
  med_income |  -1.11e-10   8.12e-08    -0.00   0.999    -1.60e-07    1.60e-07
       index |   .0000763    .000133     0.57   0.567    -.0001859    .0003384
             |
  d_sim_n100 |
         L1. |   .0253659   .0250869     1.01   0.313    -.0240818    .0748136
             |
        year |
        1998 |   .0114527   .0024936     4.59   0.000     .0065375    .0163678
        1999 |  -.0261601   .0014546   -17.98   0.000    -.0290271    -.023293
```

```
        2000  |   -.012636     .00314    -4.02   0.000    -.0188251   -.0064469
        2001  |   .0035875   .0091097     0.39   0.694    -.0143683    .0215433
        2002  |    .000507   .0092857     0.05   0.957    -.0177957    .0188096
        2003  |  -.0003712   .0097045    -0.04   0.970    -.0194993    .0187568
        2004  |  -.0011603   .0090402    -0.13   0.898    -.0189789    .0166584
        2005  |   .0087096   .0098217     0.89   0.376    -.0106496    .0280687
        2006  |   .0085569   .0092533     0.92   0.356     -.009682    .0267958
        2007  |   -.001167   .0100705    -0.12   0.908    -.0210165    .0186826
        2008  |   .0016223   .0100939     0.16   0.872    -.0182734     .021518
        2009  |    .031017   .0054936     5.65   0.000     .0201888    .0418452
        2010  |   .0319138   .0049768     6.41   0.000     .0221044    .0417233
        2011  |   .0084577   .0055661     1.52   0.130    -.0025134    .0194288
        2012  |    .010583    .004368     2.42   0.016     .0019734    .0191926
        2013  |   .0290468   .0041749     6.96   0.000     .0208178    .0372758
        2014  |    .028565   .0040393     7.07   0.000     .0206033    .0365267
        2015  |  -.0016042   .0027351    -0.59   0.558    -.0069952    .0037869
        2016  |   .0094133   .0033692     2.79   0.006     .0027725    .0160541
              |
        _cons |   .3481249    .017063    20.40   0.000     .3144927     .381757
--------------+----------------------------------------------------------------
     sigma_u  |  .02133454
     sigma_e  |  .03463525
          rho |  .27506201   (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  = 0.1331                                         min =          1
     Between = 0.0955                                         avg =       45.3
     Overall = 0.1150                                         max =         78

                                                F(24, 250)        =     308.19
corr(u_i, Xb) = 0.0215                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  r_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0001633    .000589    -0.28   0.782    -.0013233    .0009967
  pres_party |   .0138853   .0087564     1.59   0.114    -.0033604    .0311309
  med_income |   4.31e-08   7.25e-08     0.59   0.553    -9.97e-08    1.86e-07
       index |  -.0002777   .0001408    -1.97   0.050    -.0005551   -3.31e-07
             |
  r_sim_n100 |
         L1. |   .0239876   .0263603     0.91   0.364     -.027929    .0759042
             |
        year |
        1998 |  -.0037037   .0028846    -1.28   0.200     -.009385    .0019775
        1999 |  -.0193972   .0017393   -11.15   0.000    -.0228227   -.0159716
        2000 |  -.0205947   .0030859    -6.67   0.000    -.0266724    -.014517
        2001 |  -.0339871   .0087991    -3.86   0.000    -.0513169   -.0166574
        2002 |  -.0321872   .0090238    -3.57   0.000    -.0499595   -.0144148
        2003 |  -.0308742   .0092973    -3.32   0.001    -.0491852   -.0125632
        2004 |  -.0271417   .0090916    -2.99   0.003    -.0450476   -.0092358
        2005 |   -.027593   .0095649    -2.88   0.004    -.0464311    -.008755
        2006 |   -.025867   .0094676    -2.73   0.007    -.0445134   -.0072206
        2007 |  -.0542416   .0101033    -5.37   0.000    -.0741401   -.0343432
        2008 |  -.0624624   .0100764    -6.20   0.000    -.0823078   -.0426171
        2009 |   .0021489    .005428     0.40   0.693    -.0085416    .0128394
        2010 |   .0011091   .0050374     0.22   0.826     -.008812    .0110302
        2011 |   .0109043   .0054899     1.99   0.048      .000092    .0217166
        2012 |   .0109706   .0043885     2.50   0.013     .0023273    .0196138
        2013 |  -.0075529   .0036112    -2.09   0.037    -.0146651   -.0004408
        2014 |  -.0049991   .0034029    -1.47   0.143    -.0117012     .001703
        2015 |  -.0082716   .0024389    -3.39   0.001    -.0130749   -.0034682
        2016 |  -.0044577   .0028726    -1.55   0.122    -.0101152    .0011999
             |
       _cons |   .3842908   .0187886    20.45   0.000     .3472866     .421295
-------------+----------------------------------------------------------------
```

```
     sigma_u |  .02232915
     sigma_e |  .03879756
         rho |  .24881758   (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  = 0.1283                                         min =          1
     Between = 0.2201                                         avg =       37.6
     Overall = 0.1296                                         max =         78

                                                F(24, 215)        =     176.22
corr(u_i, Xb) = 0.0658                          Prob > F          =     0.0000

                      (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  d_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |  -.0000466   .0004615    -0.10   0.920    -.0009562    .0008631
             |
  pres_party |   .0044352   .0084346     0.53   0.600    -.0121898    .0210603
  med_income |   8.52e-11   8.11e-08     0.00   0.999    -1.60e-07    1.60e-07
       index |   .0000738    .000132     0.56   0.577    -.0001863    .0003339
             |
  d_sim_n100 |
         L1. |   .0253024   .0251099     1.01   0.315    -.0241907    .0747954
             |
        year |
        1998 |   .0114469   .0024689     4.64   0.000     .0065805    .0163132
        1999 |  -.0260381    .001465   -17.77   0.000    -.0289258   -.0231505
        2000 |  -.0124834   .0030823    -4.05   0.000    -.0185587   -.0064081
        2001 |   .0035182   .0090336     0.39   0.697    -.0142876     .021324
        2002 |   .0002222   .0092526     0.02   0.981    -.0180153    .0184596
        2003 |  -.0006753   .0097348    -0.07   0.945     -.019863    .0185125
        2004 |  -.0013936   .0090087    -0.15   0.877    -.0191503     .016363
        2005 |    .008586    .009791     0.88   0.382    -.0107126    .0278846
        2006 |   .0084667   .0091952     0.92   0.358    -.0096576    .0265909
        2007 |   -.001245   .0100253    -0.12   0.901    -.0210054    .0185155
        2008 |   .0012662   .0101494     0.12   0.901    -.0187389    .0212712
        2009 |   .0299555   .0054163     5.53   0.000     .0192797    .0406313
        2010 |   .0308107   .0048581     6.34   0.000     .0212351    .0403863
        2011 |   .0075199   .0055014     1.37   0.173    -.0033237    .0183635
        2012 |   .0097783   .0043669     2.24   0.026      .001171    .0183856
        2013 |   .0284426    .004174     6.81   0.000     .0202154    .0366697
        2014 |   .0281633   .0039721     7.09   0.000     .0203341    .0359925
        2015 |  -.0017435   .0027397    -0.64   0.525    -.0071436    .0036566
        2016 |   .0093054   .0033749     2.76   0.006     .0026533    .0159575
             |
       _cons |   .3474129    .017088    20.33   0.000     .3137314    .3810944
-------------+----------------------------------------------------------------
     sigma_u |  .02133404
     sigma_e |  .03463621
         rho |  .27504182   (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  = 0.1332                                         min =          1
     Between = 0.0969                                         avg =       45.3
     Overall = 0.1160                                         max =         78

                                                F(24, 250)        =     315.89
corr(u_i, Xb) = 0.0241                          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.	.0004956	.0004443	1.12	0.266	-.0003794	.0013707
pres_party	.0133005	.0084457	1.57	0.117	-.0033334	.0299343
med_income	4.38e-08	7.22e-08	0.61	0.545	-9.85e-08	1.86e-07
index	-.0002885	.0001402	-2.06	0.041	-.0005647	-.0000124
r_sim_n100						
L1.	.0241456	.0262704	0.92	0.359	-.0275939	.0758851
year						
1998	-.0034608	.0028497	-1.21	0.226	-.0090734	.0021517
1999	-.0189586	.0014825	-12.79	0.000	-.0218784	-.0160388
2000	-.0199317	.0029727	-6.70	0.000	-.0257864	-.0140769
2001	-.0333401	.0085515	-3.90	0.000	-.0501824	-.0164979
2002	-.0321566	.0091901	-3.50	0.001	-.0502564	-.0140567
2003	-.031026	.009563	-3.24	0.001	-.0498603	-.0121916
2004	-.0270253	.0091776	-2.94	0.004	-.0451006	-.00895
2005	-.027301	.0094978	-2.87	0.004	-.0460069	-.008595
2006	-.0253537	.0092607	-2.74	0.007	-.0435926	-.0071147
2007	-.0536302	.0098343	-5.45	0.000	-.0729988	-.0342615
2008	-.0625669	.0104122	-6.01	0.000	-.0830738	-.0420601
2009	-.0009918	.0055776	-0.18	0.859	-.0119769	.0099934
2010	-.0024558	.0049159	-0.50	0.618	-.0121377	.0072261
2011	.0078225	.0055975	1.40	0.164	-.0032018	.0188468
2012	.0085336	.004379	1.95	0.052	-.0000908	.017158
2013	-.0094692	.0037957	-2.49	0.013	-.0169448	-.0019937
2014	-.0062046	.0035582	-1.74	0.082	-.0132124	.0008033
2015	-.0087309	.0025326	-3.45	0.001	-.0137189	-.003743
2016	-.0047015	.0029376	-1.60	0.111	-.0104871	.0010841
_cons	.3820346	.0176411	21.66	0.000	.3472906	.4167787
sigma_u	.02231193					
sigma_e	.0387941					
rho	.24856256	(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:
Within = 0.1284
Between = 0.2209
Overall = 0.1303

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

F(24, 215) = 177.61
corr(u_i, Xb) = 0.0670 — 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	-.0002747	.000469	-0.59	0.559	-.0011992	.0006497
pres_party	.0029375	.0089117	0.33	0.742	-.014628	.0205029
med_income	-1.00e-09	8.11e-08	-0.01	0.990	-1.61e-07	1.59e-07
index						
L1.	-.0000841	.0001067	-0.79	0.432	-.0002945	.0001263
d_sim_n100						
L1.	.0257588	.0250834	1.03	0.306	-.0236821	.0751998
year						
1998	.0118183	.0025431	4.65	0.000	.0068057	.016831
1999	-.0258357	.0015334	-16.85	0.000	-.0288582	-.0228132

```
        2000  |  -.0119152   .0032002    -3.72   0.000    -.0182229   -.0056075
        2001  |    .002795    .008828     0.32   0.752    -.0146055    .0201955
        2002  |  -.0001021   .0092026    -0.01   0.991    -.0182409    .0180368
        2003  |  -.0014535   .0094291    -0.15   0.878    -.0200388    .0171318
        2004  |  -.0010274   .0091338    -0.11   0.911    -.0190306    .0169758
        2005  |   .0079007   .0095592     0.83   0.409     -.010941    .0267424
        2006  |    .007159   .0088961     0.80   0.422    -.0103757    .0246936
        2007  |  -.0024005   .0096443    -0.25   0.804    -.0214101     .016609
        2008  |  -.0026841   .0086706    -0.31   0.757    -.0197743    .0144062
        2009  |   .0250692   .0045764     5.48   0.000     .0160489    .0340895
        2010  |   .0269644   .0043266     6.23   0.000     .0184364    .0354924
        2011  |   .0027485   .0041422     0.66   0.508     -.005416    .0109129
        2012  |   .0059479   .0041493     1.43   0.153    -.0022307    .0141264
        2013  |   .0252926   .0031567     8.01   0.000     .0190705    .0315147
        2014  |   .0251118    .003628     6.92   0.000     .0179607    .0322629
        2015  |  -.0033113    .002305    -1.44   0.152    -.0078545     .001232
        2016  |   .0075068   .0030539     2.46   0.015     .0014875    .0135261
              |
        _cons |   .3647333   .0143397    25.44   0.000      .336469    .3929977
--------------+----------------------------------------------------------------
     sigma_u  |  .02132331
     sigma_e  |  .03463483
          rho |   .2748569   (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  = 0.1326                                         min =          1
     Between = 0.0952                                         avg =       45.3
     Overall = 0.1146                                         max =         78

                                                F(24, 250)        =     310.91
corr(u_i, Xb) = 0.0214                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  r_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |  -.0001943   .0005847    -0.33   0.740    -.0013459    .0009573
  pres_party |   .0146224   .0091019     1.61   0.109    -.0033039    .0325487
  med_income |   4.26e-08   7.22e-08     0.59   0.556    -9.96e-08    1.85e-07
             |
       index |
         L1. |  -.0000325   .0001095    -0.30   0.767    -.0002483    .0001832
             |
  r_sim_n100 |
         L1. |   .0240431   .0263181     0.91   0.362    -.0277903    .0758766
             |
        year |
        1998 |  -.0037959   .0028755    -1.32   0.188    -.0094592    .0018675
        1999 |  -.0196484   .0018353   -10.71   0.000    -.0232631   -.0160338
        2000 |  -.0214377   .0030046    -7.13   0.000    -.0273553   -.0155201
        2001 |  -.0305437   .0087055    -3.51   0.001    -.0476892   -.0133982
        2002 |  -.0293878   .0091128    -3.22   0.001    -.0473355     -.01144
        2003 |  -.0277819   .0092174    -3.01   0.003    -.0459356   -.0096281
        2004 |  -.0255768   .0092638    -2.76   0.006    -.0438218   -.0073318
        2005 |   -.023958   .0094946    -2.52   0.012    -.0426576   -.0052584
        2006 |  -.0221415   .0093612    -2.37   0.019    -.0405785   -.0037046
        2007 |  -.0498296   .0098833    -5.04   0.000    -.0692946   -.0303645
        2008 |  -.0531667   .0091788    -5.79   0.000    -.0712443   -.0350891
        2009 |   .0113227   .0059397     1.91   0.058    -.0003756    .0230211
        2010 |   .0093486   .0058287     1.60   0.110     -.002131    .0208282
        2011 |   .0205783    .005347     3.85   0.000     .0100473    .0311093
        2012 |   .0180115   .0050858     3.54   0.000     .0079951    .0280279
        2013 |  -.0012863   .0038937    -0.33   0.741    -.0089549    .0063823
        2014 |   .0002891   .0038251     0.08   0.940    -.0072444    .0078226
        2015 |  -.0051934   .0025435    -2.04   0.042    -.0102029   -.0001839
        2016 |  -.0011501   .0028721    -0.40   0.689    -.0068068    .0045065
             |
```

```
       _cons |   .3587277   .0140647    25.51   0.000     .3310274    .3864281
-------------+----------------------------------------------------------------
     sigma_u |  .02233243
     sigma_e |  .03880734
         rho |  .24877826   (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  = 0.1283                                         min =          1
     Between = 0.2212                                         avg =       37.6
     Overall = 0.1297                                         max =         78

                                                F(24, 215)        =     176.78
corr(u_i, Xb) = 0.0662                          Prob > F          =     0.0000

                      (Std. err. adjusted for 216 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  d_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |  -.0000186   .0004663    -0.04   0.968    -.0009376    .0009004
             |
  pres_party |   .0030732   .0088165     0.35   0.728    -.0143046     .020451
  med_income |  -7.85e-10   8.10e-08    -0.01   0.992    -1.60e-07    1.59e-07
             |
       index |
         L1. |  -.0000751    .000105    -0.72   0.475    -.0002821    .0001319
             |
  d_sim_n100 |
         L1. |   .0256545   .0251065     1.02   0.308    -.0238319    .0751409
             |
        year |
        1998 |   .0117959   .0025192     4.68   0.000     .0068304    .0167614
        1999 |   -.025704   .0015629   -16.45   0.000    -.0287845   -.0226235
        2000 |  -.0117665   .0031597    -3.72   0.000    -.0179945   -.0055385
        2001 |   .0027901   .0087067     0.32   0.749    -.0143712    .0199515
        2002 |  -.0003802     .00912    -0.04   0.967    -.0183562    .0175959
        2003 |  -.0017236   .0094204    -0.18   0.855    -.0202918    .0168446
        2004 |  -.0013047   .0090663    -0.14   0.886     -.019175    .0165656
        2005 |    .007812   .0094855     0.82   0.411    -.0108846    .0265085
        2006 |   .0071762   .0087971     0.82   0.416    -.0101635    .0245159
        2007 |  -.0023957   .0095488    -0.25   0.802    -.0212169    .0164255
        2008 |  -.0027717   .0086241    -0.32   0.748    -.0197704    .0142269
        2009 |   .0242477   .0045403     5.34   0.000     .0152985     .033197
        2010 |    .025991   .0043372     5.99   0.000     .0174422    .0345398
        2011 |   .0020191   .0041864     0.48   0.630    -.0062325    .0102707
        2012 |   .0053259   .0042469     1.25   0.211    -.0030451    .0136969
        2013 |   .0248305   .0032221     7.71   0.000     .0184796    .0311814
        2014 |   .0248894   .0036369     6.84   0.000     .0177208    .0320579
        2015 |  -.0033523   .0023164    -1.45   0.149     -.007918    .0012135
        2016 |   .0075324   .0030534     2.47   0.014     .0015139    .0135509
             |
       _cons |   .3625906   .0141489    25.63   0.000     .3347023    .3904788
-------------+----------------------------------------------------------------
     sigma_u |  .02132384
     sigma_e |  .03463598
         rho |  .27485371   (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  = 0.1327                                         min =          1
     Between = 0.0972                                         avg =       45.3
     Overall = 0.1157                                         max =         78
```

```
                                                F(24, 250)        =     317.30
corr(u_i, Xb) = 0.0244                          Prob > F          =     0.0000

                    (Std. err. adjusted for 251 clusters in state_dist_code)
------------------------------------------------------------------------------
             |               Robust
  r_sim_n100 | Coefficient  std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
       unemp |
         L1. |   .0004554   .0004438     1.03   0.306    -.0004187    .0013295
             |
  pres_party |   .0141085   .0089003     1.59   0.114    -.0034206    .0316376
  med_income |   4.32e-08   7.20e-08     0.60   0.549    -9.86e-08    1.85e-07
             |
       index |
         L1. |   -.000033   .0001133    -0.29   0.771     -.000256    .0001901
             |
  r_sim_n100 |
         L1. |   .0241841   .0262328     0.92   0.357    -.0274815    .0758496
             |
        year |
        1998 |  -.0035772   .0028303    -1.26   0.207    -.0091514     .001997
        1999 |  -.0192356   .0016009   -12.02   0.000    -.0223886   -.0160827
        2000 |  -.0208349   .0028611    -7.28   0.000    -.0264699   -.0151999
        2001 |   -.029819   .0083659    -3.56   0.000    -.0462956   -.0133425
        2002 |  -.0292934   .0091962    -3.19   0.002    -.0474053   -.0111814
        2003 |  -.0278452   .0093702    -2.97   0.003    -.0462999   -.0093905
        2004 |  -.0254442   .0093355    -2.73   0.007    -.0438304   -.0070579
        2005 |  -.0235638   .0093402    -2.52   0.012    -.0419594   -.0051683
        2006 |  -.0215255   .0090349    -2.38   0.018    -.0393197   -.0037313
        2007 |  -.0490959   .0094887    -5.17   0.000    -.0677839   -.0304078
        2008 |  -.0529535   .0091214    -5.81   0.000    -.0709182   -.0349889
        2009 |   .0085742   .0051785     1.66   0.099    -.0016249    .0187732
        2010 |   .0061558   .0049224     1.25   0.212    -.0035389    .0158506
        2011 |   .0179298   .0047099     3.81   0.000     .0086536    .0272059
        2012 |   .0158893   .0045374     3.50   0.001      .006953    .0248257
        2013 |  -.0029229   .0036477    -0.80   0.424    -.0101071    .0042613
        2014 |  -.0006887   .0037224    -0.19   0.853    -.0080199    .0066426
        2015 |  -.0055286   .0025517    -2.17   0.031    -.0105541   -.0005031
        2016 |  -.0012727   .0028608    -0.44   0.657    -.0069071    .0043617
             |
       _cons |    .355457   .0132283    26.87   0.000     .3294038    .3815102
-------------+----------------------------------------------------------------
     sigma_u |  .02231219
     sigma_e |  .03880465
         rho |  .24846532   (fraction of variance due to u_i)
------------------------------------------------------------------------------

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