```
  -----------------------------------------------------------------------------
> -----------
      name:  <unnamed>
       log:  D:\replication_science.log
  log type:  text
 opened on:  27 Mar 2018, 00:38:01

. clear;

. **********************.
. * Replicate Figure 1 *;
. **********************.
. * The data are in an Excel spreadsheet that is provided in dataverse;
. **********************.
. * Replicate Figure 2 *;
. ********************.
. *First, create sales figures *;
. ****************************.
. use bckcheck-state-public.dta;

. keep if year>=2008;
(5,400 observations deleted)

. collapse (sum) total, by(year month);

. gen sandyhookp1 = year == 2012 & month == 12;

. gen sandyhookp2 = year == 2013 & month == 1;

. gen sandyhookp3 = year == 2013 & month == 2;

. gen sandyhookp4 = year == 2013 & month == 3;

. gen sandyhookp5 = year == 2013 & month == 4;

. tab month, gen(monthdv);

      month |      Freq.     Percent        Cum.
------------+-----------------------------------
          1 |          9        8.33        8.33
          2 |          9        8.33       16.67
          3 |          9        8.33       25.00
          4 |          9        8.33       33.33
          5 |          9        8.33       41.67
          6 |          9        8.33       50.00
          7 |          9        8.33       58.33
          8 |          9        8.33       66.67
          9 |          9        8.33       75.00
         10 |          9        8.33       83.33
         11 |          9        8.33       91.67
         12 |          9        8.33      100.00
------------+-----------------------------------
      Total |        108      100.00

. forvalues y = 2009/2015 {;
  2.   gen yrdv`y' = year == `y';
  3. };

. *Estimate de-seasonalized and de-trended gun sales;
. regress total sandyhookp1-sandyhookp5 monthdv2-monthdv12 yrdv2009-yrdv2015;

      Source |       SS          df       MS      Number of obs   =        108
-------------+----------------------------------   F(23, 84)       =       4.80
       Model |  1.4840e+13        23   6.4521e+11   Prob > F        =     0.0000
    Residual |  1.1294e+13        84   1.3446e+11   R-squared       =     0.5678
-------------+----------------------------------   Adj R-squared   =     0.4495
       Total |  2.6134e+13       107   2.4425e+11   Root MSE        =     3.7e+05
```

```
         ------------------------------------------------------------------------------
              total |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
         -------------+----------------------------------------------------------------
          sandyhookp1 |    656455.4   406365.1     1.62   0.110   -151646.1    1464557
          sandyhookp2 |    972215.6     412568     2.36   0.021      151779    1792652
          sandyhookp3 |    620474.2     412568     1.50   0.136   -199962.4    1440911
          sandyhookp4 |      447190     412568     1.08   0.282   -373246.7    1267627
          sandyhookp5 |    215327.2     412568     0.52   0.603   -605109.4    1035764
             monthdv2 |    167224.4   183341.8     0.91   0.364     -197371   531819.7
             monthdv3 |    238848.6   183341.8     1.30   0.196   -125746.7     603444
             monthdv4 |   -23871.63   183341.8    -0.13   0.897     -388467   340723.7
             monthdv5 |   -182383.7   178831.5    -1.02   0.311   -538009.7   173242.3
             monthdv6 |   -210737.6   178831.5    -1.18   0.242   -566363.6   144888.4
             monthdv7 |   -179785.2   178831.5    -1.01   0.318   -535411.2   175840.9
             monthdv8 |   -107817.2   178831.5    -0.60   0.548   -463443.2   247808.9
             monthdv9 |   -100990.5   178831.5    -0.56   0.574   -456616.5   254635.5
            monthdv10 |    95779.29   178831.5     0.54   0.594   -259846.7   451405.3
            monthdv11 |    281976.3   178831.5     1.58   0.119   -73649.72   637602.3
            monthdv12 |    600038.4     184616     3.25   0.002    232909.1   967167.6
              yrdv2009 |     -505881   129642.2    -3.90   0.000   -763688.8  -248073.1
              yrdv2010 |     -477914   129642.2    -3.69   0.000   -735721.9  -220106.2
              yrdv2011 |   -310154.6   129642.2    -2.39   0.019   -567962.5    -52346.8
              yrdv2012 |   -104570.5     133992    -0.78   0.437   -371028.4   161887.4
              yrdv2013 |   -112778.4   152033.7    -0.74   0.460   -415114.2   189557.4
              yrdv2014 |    66281.12   129642.2     0.51   0.611   -191526.7     324089
              yrdv2015 |    246777.8   129642.2     1.90   0.060   -11030.04   504585.6
                _cons |     1622218   145006.2    11.19   0.000     1333857    1910579
         ------------------------------------------------------------------------------

. predict resid, resid;

. format total %10.0f;

. *These residuals are the points for the times series in Figure 2.;
. *The points for the Sandy Hook time period are the residuals + the coefficients on s
> andyhookp1-
> sandyhookp5.;
. list year month total resid, clean;

          year    month      total         resid
     1.    2008        1     940265    -681952.8
     2.    2008        2    1019190    -770252.1
     3.    2008        3    1039060    -822006.4
     4.    2008        4     938134    -660212.1
     5.    2008        5     884577    -555257.1
     6.    2008        6     817800    -593680.2
     7.    2008        7     888974    -553458.6
     8.    2008        8     954908    -559492.6
     9.    2008        9     970748    -550479.3
    10.    2008       10    1181383    -536614.1
    11.    2008       11    1527621    -376573.1
    12.    2008       12    1521580    -700676.1
    13.    2009        1    1211967     95630.19
    14.    2009        2    1256515    -27046.19
    15.    2009        3    1341386    -13799.44
    16.    2009        4    1221082     128616.8
    17.    2009        5    1018465     84511.89
    18.    2009        6     963165     57565.79
    19.    2009        7     962684     26132.34
    20.    2009        8    1069981     61461.34
    21.    2009        9    1086755     71408.67
    22.    2009       10    1225664     13547.89
    23.    2009       11    1216451    -181862.1
    24.    2009       12    1400208    -316167.2
    25.    2010        1    1111556    -32747.73
    26.    2010        2    1236788    -74740.11
    27.    2010        3    1290685    -92467.36
    28.    2010        4    1225887     105454.9
    29.    2010        5    1009046     47125.98
    30.    2010        6     997406     63839.87
    31.    2010        7    1061881     97362.42
    32.    2010        8    1081394     44907.42
```

33.	2010	9	1138946	95632.76
34.	2010	10	1359117	119034
35.	2010	11	1285969	-140311
36.	2010	12	1511251	-233091.1
37.	2011	1	1311602	-461.1495
38.	2011	2	1462200	-17087.53
39.	2011	3	1436532	-114379.8
40.	2011	4	1338681	50489.48
41.	2011	5	1218736	89056.56
42.	2011	6	1156522	55196.45
43.	2011	7	1146395	14117.01
44.	2011	8	1299306	95060.01
45.	2011	9	1243378	32305.34
46.	2011	10	1330527	-77315.44
47.	2011	11	1526192	-67847.44
48.	2011	12	1852968	-59133.51
49.	2012	1	1367727	-149920.3
50.	2012	2	1733151	48279.34
51.	2012	3	1713535	-42960.91
52.	2012	4	1414779	-78996.66
53.	2012	5	1303972	-31291.58
54.	2012	6	1288813	-18096.69
55.	2012	7	1288246	-49616.13
56.	2012	8	1513166	103335.9
57.	2012	9	1449446	32789.2
58.	2012	10	1603244	-10182.58
59.	2012	11	1996284	196660.4
60.	2012	12	2774141	-1.86e-09
61.	2013	1	2481655	-1.40e-09
62.	2013	2	2297138	-9.31e-10
63.	2013	3	2195478	-9.31e-10
64.	2013	4	1700895	0
65.	2013	5	1422646	95590.31
66.	2013	6	1268996	-29705.8
67.	2013	7	1269998	-59656.24
68.	2013	8	1406664	5041.759
69.	2013	9	1390725	-17723.91
70.	2013	10	1677346	72127.31
71.	2013	11	1804042	12626.31
72.	2013	12	2031178	-78299.76
73.	2014	1	1648809	-39689.9
74.	2014	2	2072297	216573.7
75.	2014	3	2474818	547470.5
76.	2014	4	1732080	67452.73
77.	2014	5	1474649	-31466.19
78.	2014	6	1373673	-104088.3
79.	2014	7	1392246	-116467.7
80.	2014	8	1536615	-44066.75
81.	2014	9	1445826	-141682.4
82.	2014	10	1594143	-190135.2
83.	2014	11	1795493	-174982.2
84.	2014	12	2299619	11081.74
85.	2015	1	1761703	-107292.6
86.	2015	2	1846708	-189511.9
87.	2015	3	1999541	-108303.2
88.	2015	4	1696255	-148868.9
89.	2015	5	1569096	-117515.9
90.	2015	6	1517014	-141244
91.	2015	7	1587710	-101500.4
92.	2015	8	1734239	-26939.41
93.	2015	9	1785086	17080.92
94.	2015	10	1967570	2795.145
95.	2015	11	2234871	83899.14
96.	2015	12	3306435	837401.1
97.	2016	1	2538652	916434.3
98.	2016	2	2603227	813784.9
99.	2016	3	2507513	646446.6
100.	2016	4	2134410	536063.9
101.	2016	5	1859080	419245.9
102.	2016	6	2121693	710212.8
103.	2016	7	2185520	743087.4
104.	2016	8	1835093	320692.4

```
105.    2016      9   1981896    460668.7
106.    2016     10   2324740    606742.9
107.    2016     11   2552584    648389.9
108.    2016     12   2761141    538884.9

. clear;

. * Next, create mortality bars *;
. ****************************;
. use deaths-age-public.dta;

. keep if agecat=="0_14";
(108 observations deleted)

. keep if month==12 | month<=4;
(63 observations deleted)

. gen mortrate = (numdeaths/pop_byage)*100000;

. * We use five-month December-April windows, with the year for each window defined as
>  the later
> of the two years;
. replace year = year+1 if month==12;
(9 real changes made)

. tab year;

      year |      Freq.     Percent        Cum.
------------+-----------------------------------
      2007 |          4        8.89        8.89
      2008 |          5       11.11       20.00
      2009 |          5       11.11       31.11
      2010 |          5       11.11       42.22
      2011 |          5       11.11       53.33
      2012 |          5       11.11       64.44
      2013 |          5       11.11       75.56
      2014 |          5       11.11       86.67
      2015 |          5       11.11       97.78
      2016 |          1        2.22      100.00
------------+-----------------------------------
     Total |         45      100.00

. drop if year<2008 | year>2015;
(5 observations deleted)

. gen trend = year-2007;

. gen trend2 = trend^2;

. *We exclude the Sandy Hook window from our estimation of the trend;
. regress mortrate trend trend2 if year ~= 2013;

      Source |       SS           df       MS      Number of obs   =        35
-------------+----------------------------------   F(2, 32)        =      1.11
       Model |  .000036271         2  .000018135   Prob > F        =    0.3406
    Residual |  .000520816        32  .000016275   R-squared       =    0.0651
-------------+----------------------------------   Adj R-squared   =    0.0067
       Total |  .000557087        34  .000016385   Root MSE        =    .00403

------------------------------------------------------------------------------
    mortrate |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       trend |   .0020078   .0013455     1.49   0.145    -.000733     .0047486
      trend2 |  -.0002085    .000144    -1.45   0.157    -.0005018    .0000848
       _cons |   .0033222   .0025935     1.28   0.209    -.0019606    .0086051
------------------------------------------------------------------------------
```

```
. predict resid, resid;

. sort year;

. collapse (sum) numdeaths mortrate resid, by(year);

. list, clean;

        year    numdea~s    mortrate        resid
   1.   2008          18    .0295897    .0039821
   2.   2009          15    .0245888   -.0079301
   3.   2010          25    .0408603    .0035152
   4.   2011          27    .0441302    .0040438
   5.   2012          20    .0327136   -.0080289
   6.   2013          37    .0605583    .0212448
   7.   2014          28    .0458412    .0100417
   8.   2015          15    .0245767   -.0056237

. clear;

.   ***********************.
.   * Replicate Figure 3 *;
.   ***********************;
. use bckcheck-state-public.dta;

. sort year stfips;

. merge year stfips using population-state-public.dta;
(note: you are using old merge syntax; see [D] merge for new syntax)
variables year stfips do not uniquely identify observations in the master data

. tab _merge;

     _merge |      Freq.      Percent        Cum.
------------+-----------------------------------
          1 |      5,400        49.96       49.96
          2 |          9         0.08       50.04
          3 |      5,400        49.96      100.00
------------+-----------------------------------
      Total |     10,809       100.00

. keep if year>=2008;
(5,401 observations deleted)

. *Calculate sales per 100,000;
. gen totalpc = (total/pop)*100000;
(608 missing values generated)

. gen sandyhook = (year == 2012 & month == 12)|(year==2013 & month<=4);

. tab month, gen(monthdv);

      month |      Freq.      Percent        Cum.
------------+-----------------------------------
          1 |        450         8.33        8.33
          2 |        450         8.33       16.67
          3 |        450         8.33       25.00
          4 |        450         8.33       33.33
          5 |        450         8.33       41.67
          6 |        450         8.33       50.00
          7 |        450         8.33       58.33
          8 |        450         8.33       66.67
          9 |        450         8.33       75.00
         10 |        450         8.33       83.33
         11 |        450         8.33       91.67
         12 |        450         8.33      100.00
------------+-----------------------------------
      Total |      5,400       100.00
```

```
. forvalues y = 2009/2015 {;
  2.   gen yrdv`y' = year == `y';
  3. };

. foreach x in AK AL AR AZ CA CO CT DE FL GA HI IA ID IL IN KS LA MA MD ME MI MN MO MS
>  MT ND NE N
> H NJ NM NV NY OH OK OR PA RI SC SD TN TX  VA VT WA WI WV WY {;
  2. *Estimate de-seasonalized and de-trended gun sales;
. *Multiply coefficients from these regressions by 5 to obtain values reported in Figu
> re 3;
. di "`x'";
  3. regress totalpc sandyhook monthdv2-monthdv12 yrdv2009-yrdv2015 if stname=="`x'";
  4. };
AK

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     19.67
       Model | 3939285.59         19  207330.82    Prob > F        =    0.0000
    Residual | 800995.222         76  10539.4108   R-squared       =    0.8310
-------------+----------------------------------   Adj R-squared   =    0.7888
       Total | 4740280.81         95  49897.6927   Root MSE        =    102.66

------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   444.5233   57.2222      7.77   0.000     330.5554    558.4912
    monthdv2 |   116.5064   51.33082     2.27   0.026     14.2722     218.7406
    monthdv3 |   212.3195   51.33082     4.14   0.000     110.0853    314.5537
    monthdv4 |   277.3096   51.33082     5.40   0.000     175.0755    379.5438
    monthdv5 |    196.747   51.82678     3.80   0.000     93.52506     299.969
    monthdv6 |   106.8839   51.82678     2.06   0.043     3.661932    210.1059
    monthdv7 |   109.4274   51.82678     2.11   0.038     6.205443    212.6494
    monthdv8 |   271.4883   51.82678     5.24   0.000     168.2664    374.7103
    monthdv9 |   200.3843   51.82678     3.87   0.000     97.16231    303.6063
   monthdv10 |   471.7293   51.82678     9.10   0.000     368.5073    574.9513
   monthdv11 |   289.0618   51.82678     5.58   0.000     185.8398    392.2837
   monthdv12 |   491.9458   51.33082     9.58   0.000     389.7116      594.18
    yrdv2009 |  -23.56385   41.91144    -0.56   0.576    -107.0377    59.91001
    yrdv2010 |   20.94412   41.91144     0.50   0.619    -62.52974     104.418
    yrdv2011 |   61.13977   41.91144     1.46   0.149    -22.33409    144.6136
    yrdv2012 |   187.2648   42.18184     4.44   0.000     103.2524    271.2772
    yrdv2013 |    159.053   46.04768     3.45   0.001      67.3411    250.7649
    yrdv2014 |    242.421   41.91144     5.78   0.000     158.9471    325.8948
    yrdv2015 |   217.9686   41.91144     5.20   0.000     134.4947    301.4424
       _cons |    519.629   45.86212    11.33   0.000     428.2867    610.9713
------------------------------------------------------------------------------
AL

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     42.63
       Model | 11504276.7         19  605488.248   Prob > F        =    0.0000
    Residual | 1079330.23         76  14201.7136   R-squared       =    0.9142
-------------+----------------------------------   Adj R-squared   =    0.8928
       Total |  12583607         95  132459.021   Root MSE        =    119.17

------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   122.5291   66.42426     1.84   0.069    -9.766276    254.8245
    monthdv2 |   129.2712   59.58547     2.17   0.033     10.59646     247.946
    monthdv3 |   29.39333   59.58547     0.49   0.623    -89.28143    148.0681
    monthdv4 |   -141.389   59.58547    -2.37   0.020    -260.0638   -22.71426
    monthdv5 |  -153.4001   60.16119    -2.55   0.013    -273.2215   -33.57871
    monthdv6 |  -166.7525   60.16119    -2.77   0.007    -286.5739   -46.93112
    monthdv7 |  -105.6887   60.16119    -1.76   0.083    -225.5101     14.1327
    monthdv8 |   5.829742   60.16119     0.10   0.923    -113.9917    125.6511
    monthdv9 |  -30.94803   60.16119    -0.51   0.608    -150.7694    88.87336
   monthdv10 |   46.76076   60.16119     0.78   0.439    -73.06063    166.5822
   monthdv11 |   252.8114   60.16119     4.20   0.000        132.99    372.6328
   monthdv12 |   649.7119   59.58547    10.90   0.000     531.0372    768.3867
    yrdv2009 |   27.87357   48.65133     0.57   0.568    -69.02396    124.7711
    yrdv2010 |   8.578306   48.65133     0.18   0.861    -88.31922    105.4758
```

```
     yrdv2011 |   54.51656   48.65133     1.12   0.266    -42.38097    151.4141
     yrdv2012 |   207.3102   48.96522     4.23   0.000     109.7875    304.8329
     yrdv2013 |   403.0683   53.45273     7.54   0.000     296.6079    509.5286
     yrdv2014 |   539.4657   48.65133    11.09   0.000     442.5682    636.3633
     yrdv2015 |   735.9967   48.65133    15.13   0.000     639.0992    832.8942
        _cons |   485.8925   53.23734     9.13   0.000     379.8612    591.9239
--------------------------------------------------------------------------------
AR

      Source |       SS           df       MS      Number of obs   =         96
-------------+------------------------------      F(19, 76)       =      30.12
       Model |  2915383.23        19  153441.222   Prob > F        =     0.0000
    Residual |  387225.806        76  5095.07639   R-squared       =     0.8828
-------------+------------------------------      Adj R-squared   =     0.8534
       Total |  3302609.03        95  34764.3056   Root MSE        =      71.38

--------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+------------------------------------------------------------------
   sandyhook |   279.0826   39.78613     7.01   0.000     199.8417    358.3236
    monthdv2 |   192.2594    35.6899     5.39   0.000     121.1768     263.342
    monthdv3 |   78.39728    35.6899     2.20   0.031     7.314682    149.4799
    monthdv4 |  -40.76303    35.6899    -1.14   0.257    -111.8456    30.31957
    monthdv5 |  -76.16356   36.03474    -2.11   0.038     -147.933   -4.394158
    monthdv6 |  -87.85379   36.03474    -2.44   0.017    -159.6232   -16.08438
    monthdv7 |  -57.50467   36.03474    -1.60   0.115    -129.2741    14.26473
    monthdv8 |   5.917252   36.03474     0.16   0.870    -65.85215    77.68666
    monthdv9 |   23.49497   36.03474     0.65   0.516    -48.27444    95.26437
   monthdv10 |   120.2964   36.03474     3.34   0.001     48.52704    192.0658
   monthdv11 |   244.9665   36.03474     6.80   0.000     173.1971    316.7359
   monthdv12 |   382.8794    35.6899    10.73   0.000     311.7968     453.962
    yrdv2009 |   47.62602   29.14068     1.63   0.106    -10.41268    105.6647
    yrdv2010 |   -10.1031   29.14068    -0.35   0.730     -68.1418     47.9356
    yrdv2011 |   28.81193   29.14068     0.99   0.326    -29.22677    86.85063
    yrdv2012 |   116.2963   29.32869     3.97   0.000     57.88316    174.7095
    yrdv2013 |   139.0361   32.01658     4.34   0.000     75.26953    202.8026
    yrdv2014 |   102.0328   29.14068     3.50   0.001     43.99408    160.0715
    yrdv2015 |   164.0563   29.14068     5.63   0.000     106.0176     222.095
        _cons |   490.5315   31.88756    15.38   0.000     427.0219    554.0411
--------------------------------------------------------------------------------
AZ

      Source |       SS           df       MS      Number of obs   =         96
-------------+------------------------------      F(19, 76)       =      28.90
       Model |   835775.95        19  43988.2079   Prob > F        =     0.0000
    Residual |  115688.967        76  1522.22325   R-squared       =     0.8784
-------------+------------------------------      Adj R-squared   =     0.8480
       Total |  951464.917        95  10015.4202   Root MSE        =     39.016

--------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+------------------------------------------------------------------
   sandyhook |   155.6539   21.74681     7.16   0.000     112.3414    198.9665
    monthdv2 |   52.03185   19.50784     2.67   0.009     13.17862    90.88508
    monthdv3 |   41.42481   19.50784     2.12   0.037      2.57158    80.27804
    monthdv4 |  -8.678064   19.50784    -0.44   0.658    -47.53129    30.17517
    monthdv5 |   -19.2371   19.69633    -0.98   0.332    -58.46573    19.99153
    monthdv6 |  -34.08126   19.69633    -1.73   0.088    -73.31499    5.142274
    monthdv7 |  -35.83353   19.69633    -1.82   0.073    -75.06217    3.395099
    monthdv8 |  -2.651546   19.69633    -0.13   0.893    -41.88018    36.57709
    monthdv9 |  -24.35314   19.69633    -1.24   0.220    -63.58177    14.87549
   monthdv10 |  -13.81988   19.69633    -0.70   0.485    -53.04851    25.40875
   monthdv11 |   28.34242   19.69633     1.44   0.154    -10.88621    67.57105
   monthdv12 |   142.2947   19.50784     7.29   0.000     103.4415    181.1479
    yrdv2009 |   6.005394   15.92808     0.38   0.707    -25.71814    37.72892
    yrdv2010 |  -8.998647   15.92808    -0.56   0.574    -40.72218    22.72488
    yrdv2011 |   47.01556   15.92808     2.95   0.004     15.29203    78.73909
    yrdv2012 |   142.0057   16.03085     8.86   0.000     110.0775    173.9339
    yrdv2013 |   127.4158   17.50003     7.28   0.000     92.56145    162.2701
    yrdv2014 |   107.8058   15.92808     6.77   0.000     76.08227    139.5293
    yrdv2015 |   127.5602   15.92808     8.01   0.000     95.83663    159.2837
        _cons |   266.4964   17.42951    15.29   0.000     231.7825    301.2103
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CA

      Source |       SS           df       MS      Number of obs   =       96
-------------+------------------------------       F(19, 76)       =     20.13
       Model |  584136.985         19  30744.0519  Prob > F        =    0.0000
    Residual |  116085.085         76  1527.43533  R-squared       =    0.8342
-------------+------------------------------       Adj R-squared   =    0.7928
       Total |   700222.07         95  7370.75863  Root MSE        =    39.082

--------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   31.23912   21.78401     1.43   0.156    -12.14749    74.62573
    monthdv2 |  -2.722445   19.54121    -0.14   0.890    -41.64213    36.19725
    monthdv3 |   59.23288   19.54121     3.03   0.003     20.31319    98.15257
    monthdv4 |   23.93407   19.54121     1.22   0.224    -14.98562    62.85376
    monthdv5 |   9.249848   19.73002     0.47   0.641    -30.04589    48.54558
    monthdv6 |  -1.807371   19.73002    -0.09   0.927    -41.10311    37.48836
    monthdv7 |   .1754839   19.73002     0.01   0.993    -39.12025    39.47122
    monthdv8 |   13.56153   19.73002     0.69   0.494     -25.7342    52.85727
    monthdv9 |   1.150397   19.73002     0.06   0.954    -38.14534    40.44613
   monthdv10 |   34.01344   19.73002     1.72   0.089    -5.282295    73.30917
   monthdv11 |   42.09838   19.73002     2.13   0.036     2.802645    81.39411
   monthdv12 |   110.1888   19.54121     5.64   0.000     71.26915    149.1085
     yrdv2009 |   .0354258   15.95533     0.00   0.998    -31.74237    31.81322
     yrdv2010 |   4.563086   15.95533     0.29   0.776    -27.21471    36.34088
     yrdv2011 |   22.53378   15.95533     1.41   0.162    -9.244012    54.31158
     yrdv2012 |   67.74355   16.05827     4.22   0.000     35.76073    99.72636
     yrdv2013 |   108.7516   17.52996     6.20   0.000     73.83763    143.6655
     yrdv2014 |   139.1108   15.95533     8.72   0.000      107.333    170.8886
     yrdv2015 |   197.2416   15.95533    12.36   0.000     165.4638    229.0194
       _cons |   153.5756   17.45932     8.80   0.000     118.8024    188.3489
--------------------------------------------------------------------------------
CO

      Source |       SS           df       MS      Number of obs   =       96
-------------+------------------------------       F(19, 76)       =     19.58
       Model |  2059757.53         19  108408.291  Prob > F        =    0.0000
    Residual |  420803.038         76  5536.88208  R-squared       =    0.8304
-------------+------------------------------       Adj R-squared   =    0.7879
       Total |  2480560.56         95  26111.1638  Root MSE        =     74.41

--------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   244.2088   41.47525     5.89   0.000     161.6037     326.814
    monthdv2 |    50.9079   37.20511     1.37   0.175    -23.19251    125.0083
    monthdv3 |    90.0274   37.20511     2.42   0.018       15.927    164.1278
    monthdv4 |   -3.76054   37.20511    -0.10   0.920    -77.86095    70.33987
    monthdv5 |  -22.62161   37.56459    -0.60   0.549    -97.43798    52.19476
    monthdv6 |  -53.67355   37.56459    -1.43   0.157    -128.4899    21.14282
    monthdv7 |  -43.88664   37.56459    -1.17   0.246     -118.703    30.92973
    monthdv8 |   .7984779   37.56459     0.02   0.983    -74.01789    75.61485
    monthdv9 |  -26.57749   37.56459    -0.71   0.481    -101.3939    48.23888
   monthdv10 |   26.76894   37.56459     0.71   0.478    -48.04743    101.5853
   monthdv11 |   127.9438   37.56459     3.41   0.001     53.12742    202.7602
   monthdv12 |   241.9622   37.20511     6.50   0.000     167.8618    316.0626
     yrdv2009 |   39.05838   30.37785     1.29   0.202    -21.44435    99.56111
     yrdv2010 |   9.974523   30.37785     0.33   0.744    -50.52821    70.47725
     yrdv2011 |   60.81257   30.37785     2.00   0.049     .3098373    121.3153
     yrdv2012 |   158.9128   30.57384     5.20   0.000     98.01973    219.8059
     yrdv2013 |   245.6397   33.37584     7.36   0.000     179.1659    312.1134
     yrdv2014 |   156.4731   30.37785     5.15   0.000     95.97033    216.9758
     yrdv2015 |   206.8481   30.37785     6.81   0.000     146.3454    267.3509
       _cons |   454.2757   33.24135    13.67   0.000     388.0698    520.4816
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CT
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```
      Source |       SS          df       MS         Number of obs   =        96
-------------+----------------------------------     F(19, 76)       =     15.38
       Model |  1933615.25         19  101769.223     Prob > F        =    0.0000
    Residual |  502953.377         76   6617.8076     R-squared       =    0.7936
-------------+----------------------------------     Adj R-squared   =    0.7420
       Total |  2436568.62         95  25648.0908     Root MSE        =     81.35

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+------------------------------------------------------------------
   sandyhook |   141.1219   45.34333     3.11   0.003     50.81279    231.4309
    monthdv2 |  -14.30463   40.67495    -0.35   0.726    -95.31582    66.70656
    monthdv3 |   107.8852   40.67495     2.65   0.010     26.87404    188.8964
    monthdv4 |  -5.961899   40.67495    -0.15   0.884    -86.97309    75.04929
    monthdv5 |  -68.43819   41.06796    -1.67   0.100    -150.2321    13.35574
    monthdv6 |  -80.68227   41.06796    -1.96   0.053    -162.4762    1.111658
    monthdv7 |  -107.8967   41.06796    -2.63   0.010    -189.6906   -26.10272
    monthdv8 |  -82.90213   41.06796    -2.02   0.047    -164.6961   -1.108206
    monthdv9 |  -67.97533   41.06796    -1.66   0.102    -149.7693     13.8186
   monthdv10 |  -41.85352   41.06796    -1.02   0.311    -123.6474    39.94041
   monthdv11 |  -8.010356   41.06796    -0.20   0.846    -89.80428    73.78357
   monthdv12 |   66.31995   40.67495     1.63   0.107    -14.69124    147.3311
    yrdv2009 |   107.2852   33.21096     3.23   0.002     41.13989    173.4306
    yrdv2010 |   51.70123   33.21096     1.56   0.124    -14.44413    117.8466
    yrdv2011 |   65.55822   33.21096     1.97   0.052    -.5871415    131.7036
    yrdv2012 |   172.6037   33.42523     5.16   0.000     106.0316    239.1758
    yrdv2013 |   268.4503   36.48855     7.36   0.000      195.777    341.1235
    yrdv2014 |   260.2157   33.21096     7.84   0.000     194.0703    326.3611
    yrdv2015 |   347.8089   33.21096    10.47   0.000     281.6635    413.9542
       _cons |   391.7018   36.34152    10.78   0.000     319.3214    464.0822
--------------------------------------------------------------------------------
DE

      Source |       SS          df       MS         Number of obs   =        96
-------------+----------------------------------     F(19, 76)       =     43.14
       Model |  1472544.64         19  77502.3497     Prob > F        =    0.0000
    Residual |  136537.649         76  1796.54801     R-squared       =    0.9151
-------------+----------------------------------     Adj R-squared   =    0.8939
       Total |  1609082.29         95  16937.7084     Root MSE        =    42.386

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+------------------------------------------------------------------
   sandyhook |   179.1113   23.62522     7.58   0.000     132.0576     226.165
    monthdv2 |   8.166298   21.19285     0.39   0.701    -34.04293    50.37552
    monthdv3 |   30.37412   21.19285     1.43   0.156     -11.8351    72.58335
    monthdv4 |  -22.31219   21.19285    -1.05   0.296    -64.52141    19.89704
    monthdv5 |  -10.42545   21.39762    -0.49   0.628     -53.0425     32.1916
    monthdv6 |  -40.68905   21.39762    -1.90   0.061     -83.3061    1.928004
    monthdv7 |  -40.43691   21.39762    -1.89   0.063    -83.05397    2.180138
    monthdv8 |  -12.17358   21.39762    -0.57   0.571    -54.79063    30.44348
    monthdv9 |  -11.43791   21.39762    -0.53   0.595    -54.05496    31.17914
   monthdv10 |   31.94419   21.39762     1.49   0.140    -10.67286    74.56125
   monthdv11 |   100.8181   21.39762     4.71   0.000     58.20105    143.4352
   monthdv12 |   182.5633   21.19285     8.61   0.000     140.3541    224.7726
    yrdv2009 |   21.18641   17.30389     1.22   0.225    -13.27728     55.6501
    yrdv2010 |   7.520404   17.30389     0.43   0.665    -26.94328    41.98409
    yrdv2011 |     35.756   17.30389     2.07   0.042     1.292308    70.21968
    yrdv2012 |   93.58235   17.41553     5.37   0.000     58.89632    128.2684
    yrdv2013 |   130.4083   19.01161     6.86   0.000     92.54343    168.2733
    yrdv2014 |   211.7336   17.30389    12.24   0.000     177.2699    246.1972
    yrdv2015 |   273.4774   17.30389    15.80   0.000     239.0137    307.9411
       _cons |   152.6365     18.935     8.06   0.000     114.9242    190.3489
--------------------------------------------------------------------------------
FL
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      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     34.40
       Model |  1246593.31        19  65610.1742   Prob > F        =    0.0000
    Residual |   144970.31        76  1907.50408   R-squared       =    0.8958
-------------+----------------------------------   Adj R-squared   =    0.8698
       Total |  1391563.62        95  14648.0381   Root MSE        =    43.675

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   117.1427   24.34384     4.81   0.000     68.65775    165.6277
    monthdv2 |   30.52379   21.83749     1.40   0.166    -12.96934    74.01692
    monthdv3 |   13.84378   21.83749     0.63   0.528    -29.64935    57.33692
    monthdv4 |  -14.56614   21.83749    -0.67   0.507    -58.05927      28.927
    monthdv5 |  -32.81233   22.04849    -1.49   0.141     -76.7257    11.10104
    monthdv6 |   -47.8274   22.04849    -2.17   0.033    -91.74077   -3.914033
    monthdv7 |  -41.73347   22.04849    -1.89   0.062    -85.64683      2.1799
    monthdv8 |  -25.09409   22.04849    -1.14   0.259    -69.00745    18.81928
    monthdv9 |  -33.01081   22.04849    -1.50   0.138    -76.92418    10.90255
   monthdv10 |  -1.286393   22.04849    -0.06   0.954    -45.19976    42.62697
   monthdv11 |   48.62391   22.04849     2.21   0.030     4.710544    92.53728
   monthdv12 |    156.867   21.83749     7.18   0.000     113.3739    200.3601
    yrdv2009 |   22.09723   17.83024     1.24   0.219    -13.41477    57.60922
    yrdv2010 |   20.73637   17.83024     1.16   0.248    -14.77562    56.24837
    yrdv2011 |   54.01474   17.83024     3.03   0.003     18.50275    89.52673
    yrdv2012 |   122.9662   17.94527     6.85   0.000     87.22508    158.7073
    yrdv2013 |   191.1091    19.5899     9.76   0.000     152.0925    230.1258
    yrdv2014 |   206.5609   17.83024    11.58   0.000     171.0489    242.0728
    yrdv2015 |   245.0099   17.83024    13.74   0.000     209.4979    280.5219
       _cons |   222.0843   19.51096    11.38   0.000     183.2248    260.9437
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GA
```
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     24.69
       Model |  1306081.45        19  68741.1288   Prob > F        =    0.0000
    Residual |  211621.818        76   2784.4976   R-squared       =    0.8606
-------------+----------------------------------   Adj R-squared   =    0.8257
       Total |  1517703.27        95  15975.8238   Root MSE        =    52.768

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   192.1559   29.41236     6.53   0.000     133.5761    250.7357
    monthdv2 |   85.91498   26.38417     3.26   0.002     33.36635    138.4636
    monthdv3 |   18.26292   26.38417     0.69   0.491    -34.28571    70.81155
    monthdv4 |  -81.73525   26.38417    -3.10   0.003    -134.2839   -29.18663
    monthdv5 |  -88.82619   26.63909    -3.33   0.001    -141.8826   -35.76984
    monthdv6 |  -97.94558   26.63909    -3.68   0.000    -151.0019   -44.88922
    monthdv7 |  -80.51179   26.63909    -3.02   0.003    -133.5681   -27.45543
    monthdv8 |  -55.14306   26.63909    -2.07   0.042    -108.1994   -2.086707
    monthdv9 |  -59.33769   26.63909    -2.23   0.029     -112.394   -6.281331
   monthdv10 |  -4.152159   26.63909    -0.16   0.877    -57.20851      48.9042
   monthdv11 |   40.43548   26.63909     1.52   0.133    -12.62088    93.49184
   monthdv12 |   208.3174   26.38417     7.90   0.000     155.7688    260.8661
    yrdv2009 |   1.194748   21.54258     0.06   0.956    -41.71103    44.10052
    yrdv2010 |  -36.19557   21.54258    -1.68   0.097    -79.10134    6.710208
    yrdv2011 |  -9.650174   21.54258    -0.45   0.655    -52.55595      33.2556
    yrdv2012 |   53.08185   21.68157     2.45   0.017      9.89926    96.26444
    yrdv2013 |   54.12999   23.66862     2.29   0.025     6.989848    101.2701
    yrdv2014 |   77.83835   21.54258     3.61   0.001     34.93257    120.7441
    yrdv2015 |   140.4237   21.54258     6.52   0.000     97.51788    183.3294
       _cons |   331.6538   23.57325    14.07   0.000     284.7036     378.604
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HI

```
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     26.57
       Model |  39000.4249        19  2052.65394   Prob > F        =    0.0000
    Residual |  5870.45884        76  77.2428795   R-squared       =    0.8692
-------------+----------------------------------   Adj R-squared   =    0.8365
       Total |  44870.8838        95  472.325092   Root MSE        =    8.7888

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   38.12723   4.898754     7.78   0.000     28.37052    47.88394
     monthdv2 |  -4.913947   4.394396    -1.12   0.267    -13.66615    3.838252
     monthdv3 |   6.902466   4.394396     1.57   0.120    -1.849733    15.65466
     monthdv4 |   8.429893   4.394396     1.92   0.059    -.3223064    17.18209
     monthdv5 |  -2.037036   4.436855    -0.46   0.647     -10.8738    6.799727
     monthdv6 |  -3.945783   4.436855    -0.89   0.377    -12.78255    4.890981
     monthdv7 |  -2.921584   4.436855    -0.66   0.512    -11.75835    5.915179
     monthdv8 |    -1.5926   4.436855    -0.36   0.721    -10.42936    7.244164
     monthdv9 |  -1.880935   4.436855    -0.42   0.673     -10.7177    6.955828
    monthdv10 |   6.614844   4.436855     1.49   0.140    -2.221919    15.45161
    monthdv11 |   2.522382   4.436855     0.57   0.571    -6.314381    11.35915
    monthdv12 |   13.81227   4.394396     3.14   0.002     5.060075    22.56447
     yrdv2009 |    11.4396   3.58801      3.19   0.002     4.293458    18.58574
     yrdv2010 |   10.75083   3.58801      3.00   0.004     3.604687    17.89697
     yrdv2011 |   22.79517   3.58801      6.35   0.000     15.64903    29.94131
     yrdv2012 |   47.50771   3.611158    13.16   0.000     40.31547    54.69996
     yrdv2013 |   36.71131   3.94211      9.31   0.000     28.85992     44.5627
     yrdv2014 |   35.73114   3.58801      9.96   0.000     28.58499    42.87728
     yrdv2015 |   35.40151   3.58801      9.87   0.000     28.25537    42.54765
       _cons |   51.85212   3.926225    13.21   0.000     44.03237    59.67188
------------------------------------------------------------------------------
IA

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     13.14
       Model |  1512096.78        19   79584.041   Prob > F        =    0.0000
    Residual |  460355.692        76  6057.31174   R-squared       =    0.7666
-------------+----------------------------------   Adj R-squared   =    0.7083
       Total |  1972452.47        95  20762.6576   Root MSE        =    77.829

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   172.4375   43.38068     3.97   0.000     86.03739    258.8376
     monthdv2 |  -26.71663   38.91437    -0.69   0.494    -104.2213    50.78805
     monthdv3 |   3.213428   38.91437     0.08   0.934    -74.29125    80.71811
     monthdv4 |  -128.4265   38.91437    -3.30   0.001    -205.9312   -50.92186
     monthdv5 |  -210.2264   39.29036    -5.35   0.000    -288.4799   -131.9728
     monthdv6 |  -238.4522   39.29036    -6.07   0.000    -316.7057   -160.1986
     monthdv7 |  -249.0776   39.29036    -6.34   0.000    -327.3311   -170.8241
     monthdv8 |  -214.3535   39.29036    -5.46   0.000     -292.607   -136.0999
     monthdv9 |  -177.3963   39.29036    -4.52   0.000    -255.6498   -99.14276
    monthdv10 |    -115.136   39.29036    -2.93   0.004    -193.3896   -36.88248
    monthdv11 |  -57.59405   39.29036    -1.47   0.147    -135.8476    20.65948
    monthdv12 |   29.23103   38.91437     0.75   0.455    -48.27365    106.7357
     yrdv2009 |   31.11344   31.77345     0.98   0.331    -32.16887    94.39574
     yrdv2010 |   41.48921   31.77345     1.31   0.196     -21.7931    104.7715
     yrdv2011 |   189.9346   31.77345     5.98   0.000     126.6523    253.2169
     yrdv2012 |    86.4409   31.97844     2.70   0.008     22.75032    150.1315
     yrdv2013 |   74.62957   34.90917     2.14   0.036     5.101931    144.1572
     yrdv2014 |    41.1684   31.77345     1.30   0.199    -22.11391    104.4507
     yrdv2015 |   93.71498   31.77345     2.95   0.004     30.43267    156.9973
       _cons |   414.6587    34.7685    11.93   0.000     345.4112    483.9062
------------------------------------------------------------------------------
ID
```

```
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     31.79
       Model |  2390331.87         19   125806.94   Prob > F        =    0.0000
    Residual |   300726.14         76  3956.92289   R-squared       =    0.8882
-------------+----------------------------------   Adj R-squared   =    0.8603
       Total |  2691058.01         95  28326.9264   Root MSE        =    62.904

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   344.3781   35.06188     9.82   0.000     274.5463    414.2099
    monthdv2 |   117.9715   31.45204     3.75   0.000     55.32936    180.6137
    monthdv3 |   149.7184   31.45204     4.76   0.000     87.07627    212.3606
    monthdv4 |   22.09369   31.45204     0.70   0.485    -40.54847    84.73586
    monthdv5 |  -16.74895   31.75593    -0.53   0.599    -79.99636    46.49847
    monthdv6 |  -45.22548   31.75593    -1.42   0.158    -108.4729    18.02194
    monthdv7 |  -85.50293   31.75593    -2.69   0.009    -148.7503   -22.25551
    monthdv8 |   .9497087   31.75593     0.03   0.976    -62.29771    64.19712
    monthdv9 |   51.16426   31.75593     1.61   0.111    -12.08316    114.4117
   monthdv10 |   86.28694   31.75593     2.72   0.008     23.03952    149.5344
   monthdv11 |   95.79326   31.75593     3.02   0.003     32.54585    159.0407
   monthdv12 |   292.4334   31.45204     9.30   0.000     229.7912    355.0756
    yrdv2009 |  -13.57005   25.68048    -0.53   0.599    -64.71716    37.57707
    yrdv2010 |   -57.4302   25.68048    -2.24   0.028    -108.5773   -6.283086
    yrdv2011 |   15.24236   25.68048     0.59   0.555    -35.90475    66.38947
    yrdv2012 |    138.273   25.84616     5.35   0.000     86.79586    189.7501
    yrdv2013 |   101.7046   28.21489     3.60   0.001      45.5098    157.8994
    yrdv2014 |   125.9367   25.68048     4.90   0.000     74.78959    177.0838
    yrdv2015 |   143.9752   25.68048     5.61   0.000     92.82808    195.1223
       _cons |   489.8664    28.1012    17.43   0.000      433.898    545.8348
------------------------------------------------------------------------------
IL

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     20.68
       Model |  3775107.97         19  198689.893   Prob > F        =    0.0000
    Residual |  730170.244         76  9607.50321   R-squared       =    0.8379
-------------+----------------------------------   Adj R-squared   =    0.7974
       Total |  4505278.21         95  47423.9812   Root MSE        =    98.018

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   235.5311   54.63383     4.31   0.000     126.7184    344.3438
    monthdv2 |   -52.2361   49.00894    -1.07   0.290    -149.8459    45.37365
    monthdv3 |   64.55643   49.00894     1.32   0.192    -33.05332    162.1662
    monthdv4 |   12.68908   49.00894     0.26   0.796    -84.92068    110.2988
    monthdv5 |  -97.50005   49.48246    -1.97   0.052    -196.0529     1.05282
    monthdv6 |    -90.175   49.48246    -1.82   0.072    -188.7279    8.377871
    monthdv7 |  -132.6657   49.48246    -2.68   0.009    -231.2186   -34.11283
    monthdv8 |  -76.19542   49.48246    -1.54   0.128    -174.7483    22.35745
    monthdv9 |  -71.46842   49.48246    -1.44   0.153    -170.0213    27.08445
   monthdv10 |   -29.5846   49.48246    -0.60   0.552    -128.1375    68.96827
   monthdv11 |   31.12495   49.48246     0.63   0.531    -67.42792    129.6778
   monthdv12 |   140.0672   49.00894     2.86   0.005     42.45744     237.677
    yrdv2009 |   87.08347   40.01563     2.18   0.033     7.385439    166.7815
    yrdv2010 |   48.54583   40.01563     1.21   0.229     -31.1522    128.2439
    yrdv2011 |   134.4229   40.01563     3.36   0.001     54.72482    214.1209
    yrdv2012 |    248.284    40.2738     6.16   0.000     168.0718    328.4962
    yrdv2013 |   346.7584   43.96477     7.89   0.000      259.195    434.3219
    yrdv2014 |   466.8102   40.01563    11.67   0.000     387.1122    546.5082
    yrdv2015 |    405.65   40.01563    10.14   0.000      325.952    485.3481
       _cons |    427.785   43.78761     9.77   0.000     340.5744    514.9956
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IN
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```
    Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     11.06
       Model | 13378328.4         19  704122.549   Prob > F        =    0.0000
    Residual | 4836276.79         76  63635.2209   R-squared       =    0.7345
-------------+----------------------------------   Adj R-squared   =    0.6681
       Total | 18214605.2         95  191732.686   Root MSE        =    252.26

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   187.1837   140.6064     1.33   0.187    -92.85826    467.2257
    monthdv2 |    89.0392   126.1301     0.71   0.482    -162.1707    340.2491
    monthdv3 |   112.9935   126.1301     0.90   0.373    -138.2164    364.2034
    monthdv4 |  -16.88524   126.1301    -0.13   0.894    -268.0951    234.3246
    monthdv5 |   -65.4844   127.3488    -0.51   0.609    -319.1215    188.1527
    monthdv6 |  -93.46664   127.3488    -0.73   0.465    -347.1037    160.1705
    monthdv7 |  -98.42818   127.3488    -0.77   0.442    -352.0653    155.2089
    monthdv8 |  -8.491512   127.3488    -0.07   0.947    -262.1286    245.1456
    monthdv9 |   3.986568   127.3488     0.03   0.975    -249.6505    257.6237
   monthdv10 |   165.1746   127.3488     1.30   0.199    -88.46249    418.8117
   monthdv11 |   396.4906   127.3488     3.11   0.003     142.8535    650.1277
   monthdv12 |    488.304   126.1301     3.87   0.000     237.0941    739.5139
    yrdv2009 |   68.01733   102.9848     0.66   0.511    -137.0947    273.1294
    yrdv2010 |   158.5609   102.9848     1.54   0.128    -46.55115    363.6729
    yrdv2011 |   174.9182   102.9848     1.70   0.094    -30.19378    380.0303
    yrdv2012 |   305.3611   103.6492     2.95   0.004     98.92574    511.7964
    yrdv2013 |   409.7102   113.1484     3.62   0.001     184.3557    635.0647
    yrdv2014 |   532.6537   102.9848     5.17   0.000     327.5417    737.7657
    yrdv2015 |   1070.479   102.9848    10.39   0.000     865.3666    1275.591
       _cons |   204.1199   112.6924     1.81   0.074    -20.32653    428.5664
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KS

    Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     40.89
       Model | 2587066.09         19  136161.373   Prob > F        =    0.0000
    Residual | 253101.828         76  3330.28721   R-squared       =    0.9109
-------------+----------------------------------   Adj R-squared   =    0.8886
       Total | 2840167.92         95  29896.5044   Root MSE        =    57.709

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   297.5784   32.16601     9.25   0.000     233.5142    361.6425
    monthdv2 |   36.89183   28.85432     1.28   0.205    -20.57653    94.36019
    monthdv3 |   20.85545   28.85432     0.72   0.472    -36.61291    78.32381
    monthdv4 |  -89.49503   28.85432    -3.10   0.003    -146.9634   -32.02667
    monthdv5 |  -112.2961   29.13311    -3.85   0.000    -170.3197   -54.27243
    monthdv6 |  -160.4153   29.13311    -5.51   0.000     -218.439   -102.3917
    monthdv7 |  -135.1237   29.13311    -4.64   0.000    -193.1473    -77.1001
    monthdv8 |  -72.75056   29.13311    -2.50   0.015    -130.7742   -14.72694
    monthdv9 |  -91.87581   29.13311    -3.15   0.002    -149.8994   -33.85219
   monthdv10 |  -2.298841   29.13311    -0.08   0.937    -60.32246    55.72478
   monthdv11 |   134.9303   29.13311     4.63   0.000     76.90667    192.9539
   monthdv12 |   257.1565   28.85432     8.91   0.000     199.6881    314.6249
    yrdv2009 |   46.46383   23.55945     1.97   0.052    -.4588925    93.38655
    yrdv2010 |   46.03698   23.55945     1.95   0.054    -.8857394      92.9597
    yrdv2011 |    104.641   23.55945     4.44   0.000     57.71826    151.5637
    yrdv2012 |    210.154   23.71145     8.86   0.000     162.9285    257.3794
    yrdv2013 |   183.3266   25.88454     7.08   0.000     131.7731    234.8801
    yrdv2014 |   120.1347   23.55945     5.10   0.000     73.21195    167.0574
    yrdv2015 |   157.7715   23.55945     6.70   0.000     110.8488    204.6942
       _cons |   392.0392   25.78023    15.21   0.000     340.6934     443.385
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LA
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      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     44.48
       Model |    3548554         19     186766    Prob > F        =    0.0000
    Residual |  319142.062         76  4199.23765   R-squared       =    0.9175
-------------+----------------------------------   Adj R-squared   =    0.8969
       Total |  3867696.07         95  40712.5902   Root MSE        =    64.802

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   250.4503   36.11949     6.93   0.000     178.5121    322.3885
     monthdv2 |   49.24721   32.40076     1.52   0.133    -15.2845    113.7789
     monthdv3 |  -13.95671   32.40076    -0.43   0.668   -78.48842      50.575
     monthdv4 |  -118.6412   32.40076    -3.66   0.000   -183.1729   -54.10947
     monthdv5 |  -111.2428   32.71382    -3.40   0.001     -176.398   -46.08756
     monthdv6 |  -110.5783   32.71382    -3.38   0.001   -175.7335   -45.42304
     monthdv7 |   -86.2653   32.71382    -2.64   0.010   -151.4205   -21.11008
     monthdv8 |   22.41675   32.71382     0.69   0.495   -42.73847    87.57197
     monthdv9 |   140.1239   32.71382     4.28   0.000    74.96865    205.2791
    monthdv10 |   123.0747   32.71382     3.76   0.000    57.91952      188.23
    monthdv11 |   231.4181   32.71382     7.07   0.000    166.2629    296.5733
    monthdv12 |   467.0995   32.40076    14.42   0.000    402.5677    531.6312
     yrdv2009 |  -8.181844   26.45511    -0.31   0.758   -60.87177    44.50808
     yrdv2010 |  -28.00637   26.45511    -1.06   0.293   -80.69629    24.68355
     yrdv2011 |   15.24404   26.45511     0.58   0.566   -37.44589    67.93396
     yrdv2012 |   103.1666   26.62579     3.87   0.000    50.13674    156.1965
     yrdv2013 |   85.65962   29.06597     2.95   0.004    27.76973    143.5495
     yrdv2014 |   98.68307   26.45511     3.73   0.000    45.99315     151.373
     yrdv2015 |   198.2067   26.45511     7.49   0.000    145.5168    250.8967
        _cons |   417.2043   28.94884    14.41   0.000    359.5477    474.8609
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MA

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     27.62
       Model |  380874.807         19  20046.0425   Prob > F        =    0.0000
    Residual |  55159.5341         76  725.783343   R-squared       =    0.8735
-------------+----------------------------------   Adj R-squared   =    0.8419
       Total |  436034.341         95  4589.83517   Root MSE        =     26.94

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   73.81676   15.01619     4.92   0.000    43.90942    103.7241
     monthdv2 |  -18.86884   13.47018    -1.40   0.165   -45.69704    7.959353
     monthdv3 |   28.73028   13.47018     2.13   0.036    1.902083    55.55847
     monthdv4 |  -3.247782   13.47018    -0.24   0.810   -30.07598    23.58041
     monthdv5 |  -16.16782   13.60033    -1.19   0.238   -43.25523    10.91959
     monthdv6 |  -26.47635   13.60033    -1.95   0.055   -53.56376    .6110593
     monthdv7 |  -26.17011   13.60033    -1.92   0.058   -53.25752    .9172984
     monthdv8 |  -9.156657   13.60033    -0.67   0.503   -36.24407    17.93075
     monthdv9 |  -17.56381   13.60033    -1.29   0.200   -44.65122    9.523597
    monthdv10 |   2.652485   13.60033     0.20   0.846   -24.43493     29.7399
    monthdv11 |   5.577393   13.60033     0.41   0.683   -21.51002     32.6648
    monthdv12 |    16.6758   13.47018     1.24   0.220   -10.15239      43.504
     yrdv2009 |  -27.99635   10.99836    -2.55   0.013   -49.90148   -6.091224
     yrdv2010 |   -7.27972   10.99836    -0.66   0.510   -29.18485    14.62541
     yrdv2011 |   39.04838   10.99836     3.55   0.001    17.14326    60.95351
     yrdv2012 |   102.8634   11.06932     9.29   0.000    80.81698    124.9099
     yrdv2013 |   133.2194   12.08379    11.02   0.000    109.1524    157.2863
     yrdv2014 |   66.84185   10.99836     6.08   0.000    44.93672    88.74698
     yrdv2015 |   50.77188   10.99836     4.62   0.000    28.86675    72.67701
        _cons |   159.7372   12.03509    13.27   0.000    135.7672    183.7071
------------------------------------------------------------------------------
MD
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    Source |       SS          df       MS              Number of obs   =        96
-------------+----------------------------------          F(19, 76)       =      5.40
       Model |  485740.471         19   25565.288          Prob > F        =    0.0000
    Residual |  359538.446         76  4730.76903          R-squared       =    0.5747
-------------+----------------------------------          Adj R-squared   =    0.4683
       Total |  845278.917         95  8897.67282          Root MSE        =    68.781

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |  -35.09122   38.33736    -0.92   0.363    -111.4467    41.26426
     monthdv2 |   3.012602   34.39029     0.09   0.930     -65.4816    71.50681
     monthdv3 |   6.957766   34.39029     0.20   0.840    -61.53644    75.45197
     monthdv4 |  -22.66888   34.39029    -0.66   0.512    -91.16309    45.82532
     monthdv5 |  -53.93399   34.72257    -1.55   0.125      -123.09    15.22201
     monthdv6 |  -61.55937   34.72257    -1.77   0.080    -130.7154    7.596632
     monthdv7 |  -61.74967   34.72257    -1.78   0.079    -130.9057     7.40633
     monthdv8 |  -43.24157   34.72257    -1.25   0.217    -112.3976    25.91443
     monthdv9 |    30.4378   34.72257     0.88   0.383     -38.7182     99.5938
    monthdv10 |  -4.955408   34.72257    -0.14   0.887    -74.11141    64.20059
    monthdv11 |   34.82855   34.72257     1.00   0.319    -34.32745    103.9846
    monthdv12 |   53.53646   34.39029     1.56   0.124    -14.95775    122.0307
     yrdv2009 |   7.114455   28.07956     0.25   0.801    -48.81083    63.03974
     yrdv2010 |  -4.392483   28.07956    -0.16   0.876    -60.31777     51.5328
     yrdv2011 |   15.58284   28.07956     0.55   0.581    -40.34245    71.50812
     yrdv2012 |    64.8554   28.26072     2.29   0.025     8.569303    121.1415
     yrdv2013 |   204.9272   30.85073     6.64   0.000     143.4826    266.3717
     yrdv2014 |   67.00897   28.07956     2.39   0.020     11.08368    122.9343
     yrdv2015 |   43.07328   28.07956     1.53   0.129      -12.852    98.99857
        _cons |   141.2603   30.72641     4.60   0.000     80.06336    202.4573
------------------------------------------------------------------------------
ME

    Source |       SS          df       MS              Number of obs   =        96
-------------+----------------------------------          F(19, 76)       =     36.84
       Model |  2104515.21         19  110763.958          Prob > F        =    0.0000
    Residual |  228503.573         76  3006.62596          R-squared       =    0.9021
-------------+----------------------------------          Adj R-squared   =    0.8776
       Total |  2333018.78         95  24558.0924          Root MSE        =    54.833

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   240.6324   30.56301     7.87   0.000     179.7609    301.5039
     monthdv2 |   43.78263   27.41635     1.60   0.114    -10.82177    98.38704
     monthdv3 |   124.1916   27.41635     4.53   0.000     69.58715     178.796
     monthdv4 |   52.59581   27.41635     1.92   0.059    -2.008592    107.2002
     monthdv5 |   2.549048   27.68125     0.09   0.927    -52.58295    57.68104
     monthdv6 |  -18.87617   27.68125    -0.68   0.497    -74.00816    36.25582
     monthdv7 |  -13.21592   27.68125    -0.48   0.634    -68.34792    41.91607
     monthdv8 |    67.0286   27.68125     2.42   0.018     11.89661    122.1606
     monthdv9 |   169.1402   27.68125     6.11   0.000     114.0082    224.2722
    monthdv10 |   316.8238   27.68125    11.45   0.000     261.6918    371.9558
    monthdv11 |   170.6888   27.68125     6.17   0.000     115.5568    225.8208
    monthdv12 |   252.9028   27.41635     9.22   0.000     198.2984    307.5072
     yrdv2009 |   27.78467   22.38536     1.24   0.218    -16.79964    72.36898
     yrdv2010 |   59.91978   22.38536     2.68   0.009     15.33548    104.5041
     yrdv2011 |   104.5338   22.38536     4.67   0.000     59.94951    149.1181
     yrdv2012 |   201.5731   22.52978     8.95   0.000     156.7012    246.4451
     yrdv2013 |   172.3557   24.59457     7.01   0.000     123.3714    221.3401
     yrdv2014 |   166.2259   22.38536     7.43   0.000     121.6416    210.8102
     yrdv2015 |   239.6775   22.38536    10.71   0.000     195.0932    284.2618
        _cons |   256.9557   24.49547    10.49   0.000     208.1688    305.7427
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MI
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```
     Source |       SS           df       MS            Number of obs   =        96
------------+----------------------------------          F(19, 76)       =     18.67
      Model |  678205.514         19  35695.0271         Prob > F        =    0.0000
   Residual |  145317.926         76  1912.07798         R-squared       =    0.8235
------------+----------------------------------          Adj R-squared   =    0.7794
      Total |  823523.441         95   8668.6678         Root MSE        =    43.727

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    totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
------------+-------------------------------------------------------------------
  sandyhook |   184.7478   24.37301     7.58   0.000     136.2048    233.2909
   monthdv2 |   34.74451   21.86366     1.59   0.116    -8.800736    78.28976
   monthdv3 |   86.87035   21.86366     3.97   0.000      43.3251    130.4156
   monthdv4 |   22.81327   21.86366     1.04   0.300    -20.73198    66.35852
   monthdv5 |  -19.50785    22.0749    -0.88   0.380    -63.47383    24.45813
   monthdv6 |  -46.67731    22.0749    -2.11   0.038    -90.64329   -2.711328
   monthdv7 |  -49.84815    22.0749    -2.26   0.027    -93.81413   -5.882167
   monthdv8 |   -7.39218    22.0749    -0.33   0.739    -51.35816     36.5738
   monthdv9 |   37.22326    22.0749     1.69   0.096    -6.742727    81.18924
  monthdv10 |   57.83349    22.0749     2.62   0.011     13.86751    101.7995
  monthdv11 |   92.03932    22.0749     4.17   0.000     48.07334    136.0053
  monthdv12 |   117.6937   21.86366     5.38   0.000     74.14848     161.239
   yrdv2009 |   5.440456    17.8516     0.30   0.761    -30.11409      40.995
   yrdv2010 |  -5.599964    17.8516    -0.31   0.755    -41.15451    29.95458
   yrdv2011 |   1.540239    17.8516     0.09   0.931    -34.01431    37.09478
   yrdv2012 |   48.00977   17.96677     2.67   0.009     12.22584    83.79371
   yrdv2013 |    63.2513   19.61338     3.22   0.002     24.18788    102.3147
   yrdv2014 |   57.02281    17.8516     3.19   0.002     21.46826    92.57735
   yrdv2015 |   121.3222    17.8516     6.80   0.000     85.76764    156.8767
      _cons |   272.2198   19.53434    13.94   0.000     233.3138    311.1258
--------------------------------------------------------------------------------
MN

     Source |       SS           df       MS            Number of obs   =        96
------------+----------------------------------          F(19, 76)       =     42.54
      Model |  3275795.25         19  172410.276         Prob > F        =    0.0000
   Residual |  308002.955         76  4052.67046         R-squared       =    0.9141
------------+----------------------------------          Adj R-squared   =    0.8926
      Total |   3583798.2         95  37724.1916         Root MSE        =    63.661

--------------------------------------------------------------------------------
    totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
------------+-------------------------------------------------------------------
  sandyhook |   326.2239   35.48355     9.19   0.000     255.5522    396.8955
   monthdv2 |   27.62983   31.83029     0.87   0.388     -35.7657    91.02535
   monthdv3 |   176.8451   31.83029     5.56   0.000     113.4495    240.2406
   monthdv4 |   103.5989   31.83029     3.25   0.002     40.20335    166.9944
   monthdv5 |  -9.894149   32.13784    -0.31   0.759     -73.9022    54.11391
   monthdv6 |  -67.83286   32.13784    -2.11   0.038    -131.8409   -3.824806
   monthdv7 |  -92.21992   32.13784    -2.87   0.005     -156.228   -28.21186
   monthdv8 |   20.43188   32.13784     0.64   0.527    -43.57617    84.43994
   monthdv9 |   106.4242   32.13784     3.31   0.001     42.41612    170.4322
  monthdv10 |   174.4404   32.13784     5.43   0.000     110.4323    238.4484
  monthdv11 |   69.29778   32.13784     2.16   0.034     5.289724    133.3058
  monthdv12 |   134.4594   31.83029     4.22   0.000     71.06386    197.8549
   yrdv2009 |   9.702929   25.98933     0.37   0.710     -42.0593    61.46516
   yrdv2010 |   26.42404   25.98933     1.02   0.313    -25.33819    78.18627
   yrdv2011 |   85.72846   25.98933     3.30   0.001     33.96623    137.4907
   yrdv2012 |   215.6212     26.157     8.24   0.000      163.525    267.7174
   yrdv2013 |   259.3533   28.55421     9.08   0.000     202.4826    316.2239
   yrdv2014 |   294.4897   25.98933    11.33   0.000     242.7275    346.2519
   yrdv2015 |   348.0143   25.98933    13.39   0.000     296.2521    399.7765
      _cons |    386.612   28.43915    13.59   0.000     329.9705    443.2535
--------------------------------------------------------------------------------
MO
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```
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     36.41
       Model |  3935948.54         19  207155.186   Prob > F        =     0.0000
    Residual |  432391.494         76  5689.36176   R-squared       =     0.9010
-------------+----------------------------------   Adj R-squared   =     0.8763
       Total |  4368340.03         95  45982.5266   Root MSE        =     75.428

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   351.4965   42.04246     8.36   0.000     267.7616    435.2313
    monthdv2 |   100.5969   37.71393     2.67   0.009     25.48312    175.7107
    monthdv3 |   80.90374   37.71393     2.15   0.035     5.789944    156.0175
    monthdv4 |  -58.40258   37.71393    -1.55   0.126    -133.5164    16.71122
    monthdv5 |   -103.939   38.07832    -2.73   0.008    -179.7785   -28.09941
    monthdv6 |  -130.4206   38.07832    -3.43   0.001    -206.2602   -54.58106
    monthdv7 |  -129.5194   38.07832    -3.40   0.001     -205.359   -53.67986
    monthdv8 |  -34.92733   38.07832    -0.92   0.362    -110.7669    40.91222
    monthdv9 |  -48.44602   38.07832    -1.27   0.207    -124.2856    27.39353
   monthdv10 |   74.50712   38.07832     1.96   0.054    -1.332429    150.3467
   monthdv11 |   168.0835   38.07832     4.41   0.000      92.2439     243.923
   monthdv12 |   311.1423   37.71393     8.25   0.000     236.0285    386.2561
    yrdv2009 |   44.97739   30.79329     1.46   0.148    -16.35277    106.3075
    yrdv2010 |   33.73084   30.79329     1.10   0.277    -27.59932      95.061
    yrdv2011 |   95.29355   30.79329     3.09   0.003     33.96339    156.6237
    yrdv2012 |   228.3717   30.99196     7.37   0.000     166.6458    290.0975
    yrdv2013 |   212.4073   33.83228     6.28   0.000     145.0244    279.7901
    yrdv2014 |   258.3395   30.79329     8.39   0.000     197.0093    319.6697
    yrdv2015 |   348.9095   30.79329    11.33   0.000     287.5794    410.2397
       _cons |   433.1129   33.69596    12.85   0.000     366.0016    500.2242
------------------------------------------------------------------------------
MS

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     56.00
       Model |   4857937.5         19  255680.921   Prob > F        =     0.0000
    Residual |  346985.089         76  4565.59328   R-squared       =     0.9333
-------------+----------------------------------   Adj R-squared   =     0.9167
       Total |  5204922.59         95  54788.6589   Root MSE        =     67.569

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   251.0593   37.66214     6.67   0.000     176.0486    326.0699
    monthdv2 |   123.7912   33.78459     3.66   0.000     56.50339    191.0791
    monthdv3 |  -19.80405   33.78459    -0.59   0.559    -87.09189    47.48378
    monthdv4 |  -145.7839   33.78459    -4.32   0.000    -213.0718   -78.49609
    monthdv5 |  -138.8017   34.11102    -4.07   0.000    -206.7396    -70.8637
    monthdv6 |  -159.5708   34.11102    -4.68   0.000    -227.5088   -91.63281
    monthdv7 |  -117.9951   34.11102    -3.46   0.001    -185.9331   -50.05713
    monthdv8 |  -13.32504   34.11102    -0.39   0.697    -81.26302    54.61294
    monthdv9 |   9.950217   34.11102     0.29   0.771    -57.98776    77.88819
   monthdv10 |   74.36147   34.11102     2.18   0.032     6.423492    142.2994
   monthdv11 |   318.3727   34.11102     9.33   0.000     250.4347    386.3107
   monthdv12 |   546.8063   33.78459    16.19   0.000     479.5185    614.0942
    yrdv2009 |  -41.35921     27.585    -1.50   0.138     -96.2995    13.58108
    yrdv2010 |  -35.28712     27.585    -1.28   0.205    -90.22741    19.65317
    yrdv2011 |   5.978302     27.585     0.22   0.829    -48.96199    60.91859
    yrdv2012 |   87.66362   27.76297     3.16   0.002     32.36888    142.9584
    yrdv2013 |   50.02493   30.30736     1.65   0.103    -10.33742    110.3873
    yrdv2014 |   86.18215     27.585     3.12   0.003     31.24186    141.1224
    yrdv2015 |   190.9573     27.585     6.92   0.000      136.017    245.8976
       _cons |   472.0388   30.18524    15.64   0.000     411.9197    532.1579
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MT
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      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     29.30
       Model |  3660574.22         19  192661.801   Prob > F        =    0.0000
    Residual |  499693.776         76   6574.9181   R-squared       =    0.8799
-------------+----------------------------------   Adj R-squared   =    0.8499
       Total |    4160268         95  43792.2947   Root MSE        =    81.086

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+------------------------------------------------------------------
   sandyhook |   438.5341   45.19616     9.70   0.000     348.5181    528.5501
     monthdv2 |   177.3943   40.54293     4.38   0.000     96.64601    258.1425
     monthdv3 |   210.7182   40.54293     5.20   0.000     129.9699    291.4664
     monthdv4 |   103.8154   40.54293     2.56   0.012     23.06715    184.5637
     monthdv5 |   83.20275   40.93466     2.03   0.046     1.674303    164.7312
     monthdv6 |   22.90818   40.93466     0.56   0.577    -58.62027    104.4366
     monthdv7 |  -7.811098   40.93466    -0.19   0.849    -89.33954    73.71735
     monthdv8 |   155.3936   40.93466     3.80   0.000     73.86517    236.9221
     monthdv9 |   222.7919   40.93466     5.44   0.000     141.2635    304.3204
    monthdv10 |   395.5253   40.93466     9.66   0.000     313.9969    477.0538
    monthdv11 |   173.3305   40.93466     4.23   0.000     91.80205    254.8589
    monthdv12 |   420.7477   40.54293    10.38   0.000     339.9995     501.496
     yrdv2009 |   30.66307   33.10317     0.93   0.357    -35.2676    96.59374
     yrdv2010 |   17.44505   33.10317     0.53   0.600    -48.48562    83.37572
     yrdv2011 |   77.19757   33.10317     2.33   0.022      11.2669    143.1282
     yrdv2012 |   245.1946   33.31674     7.36   0.000     178.8386    311.5507
     yrdv2013 |   153.1276   36.37012     4.21   0.000     80.69027     225.565
     yrdv2014 |   159.2581   33.10317     4.81   0.000     93.32743    225.1888
     yrdv2015 |   197.2916   33.10317     5.96   0.000     131.3609    263.2223
       _cons |   669.8026   36.22356    18.49   0.000     597.6571     741.948
--------------------------------------------------------------------------------
ND

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     38.73
       Model |  4704732.08         19  247617.478   Prob > F        =    0.0000
    Residual |  485860.387         76  6392.89982   R-squared       =    0.9064
-------------+----------------------------------   Adj R-squared   =    0.8830
       Total |  5190592.47         95  54637.8155   Root MSE        =    79.956

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+------------------------------------------------------------------
   sandyhook |   347.0636   44.56617     7.79   0.000     258.3024    435.8248
     monthdv2 |   47.01929   39.97781     1.18   0.243    -32.60341     126.642
     monthdv3 |   115.1305   39.97781     2.88   0.005     35.50784    194.7532
     monthdv4 |   61.80479   39.97781     1.55   0.126    -17.81791    141.4275
     monthdv5 |   4.815882   40.36407     0.12   0.905    -75.57614     85.2079
     monthdv6 |  -80.99125   40.36407    -2.01   0.048    -161.3833   -.5992306
     monthdv7 |  -101.4097   40.36407    -2.51   0.014    -181.8017   -21.01769
     monthdv8 |   5.701727   40.36407     0.14   0.888    -74.69029    86.09375
     monthdv9 |   136.9645   40.36407     3.39   0.001     56.57243    217.3565
    monthdv10 |   403.4474   40.36407    10.00   0.000     323.0554    483.8394
    monthdv11 |   201.2022   40.36407     4.98   0.000     120.8102    281.5942
    monthdv12 |   254.4341   39.97781     6.36   0.000     174.8114    334.0568
     yrdv2009 |   7.557312   32.64174     0.23   0.818    -57.45435    72.56897
     yrdv2010 |  -11.82256   32.64174    -0.36   0.718    -76.83422     53.1891
     yrdv2011 |   148.6294   32.64174     4.55   0.000     83.61772     213.641
     yrdv2012 |   384.6417   32.85234    11.71   0.000     319.2106    450.0728
     yrdv2013 |   279.0306   35.86316     7.78   0.000      207.603    350.4583
     yrdv2014 |   200.9173   32.64174     6.16   0.000     135.9057     265.929
     yrdv2015 |   170.8744   32.64174     5.23   0.000     105.8627    235.8861
       _cons |   506.1559   35.71864    14.17   0.000     435.0161    577.2957
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NE
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      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     29.10
       Model |  1356407.39         19  71389.8625   Prob > F        =    0.0000
    Residual |  186472.556         76  2453.58626   R-squared       =    0.8791
-------------+----------------------------------   Adj R-squared   =    0.8489
       Total |  1542879.94         95  16240.8415   Root MSE        =    49.534

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   268.8909     27.6094     9.74   0.000     213.902    323.8798
     monthdv2 |  -20.50587    24.76684    -0.83   0.410   -69.83332    28.82157
     monthdv3 |   3.181551    24.76684     0.13   0.898   -46.14589     52.509
     monthdv4 |  -74.01582    24.76684    -2.99   0.004   -123.3433   -24.68837
     monthdv5 |  -106.6735    25.00614    -4.27   0.000   -156.4775   -56.86945
     monthdv6 |  -125.7417    25.00614    -5.03   0.000   -175.5458   -75.93769
     monthdv7 |  -127.7015    25.00614    -5.11   0.000   -177.5055   -77.89744
     monthdv8 |   -66.8742    25.00614    -2.67   0.009   -116.6783   -17.07015
     monthdv9 |  -51.08461    25.00614    -2.04   0.045   -100.8887   -1.280558
    monthdv10 |   23.34861    25.00614     0.93   0.353   -26.45544    73.15266
    monthdv11 |   84.47205    25.00614     3.38   0.001      34.668    134.2761
    monthdv12 |   180.3489    24.76684     7.28   0.000    131.0214    229.6763
     yrdv2009 |   10.23053    20.22204     0.51   0.614   -30.04516    50.50622
     yrdv2010 |    2.88731    20.22204     0.14   0.887   -37.38838     43.163
     yrdv2011 |   35.37883    20.22204     1.75   0.084   -4.896861    75.65452
     yrdv2012 |   100.5901    20.35251     4.94   0.000    60.05461    141.1257
     yrdv2013 |   55.99834    22.21776     2.52   0.014    11.74784    100.2488
     yrdv2014 |   40.94081    20.22204     2.02   0.046    .6651223     81.2165
     yrdv2015 |    86.1673    20.22204     4.26   0.000    45.89161     126.443
        _cons |   285.9515    22.12823    12.92   0.000    241.8793    330.0237
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NH

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     28.28
       Model |  4794056.58         19  252318.768   Prob > F        =    0.0000
    Residual |  678018.031         76  8921.28988   R-squared       =    0.8761
-------------+----------------------------------   Adj R-squared   =    0.8451
       Total |  5472074.61         95  57600.7854   Root MSE        =    94.453

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   495.9406    52.64658     9.42   0.000    391.0859    600.7954
     monthdv2 |  -39.16997    47.22629    -0.83   0.409   -133.2293    54.88934
     monthdv3 |   73.81144    47.22629     1.56   0.122   -20.24786    167.8708
     monthdv4 |   19.09424    47.22629     0.40   0.687   -74.96507    113.1536
     monthdv5 |   -19.3516    47.68259    -0.41   0.686   -114.3197    75.61651
     monthdv6 |  -66.20596    47.68259    -1.39   0.169   -161.1741    28.76215
     monthdv7 |  -83.39833    47.68259    -1.75   0.084   -178.3664    11.56978
     monthdv8 |  -22.28246    47.68259    -0.47   0.642   -117.2506    72.68566
     monthdv9 |   3.115112    47.68259     0.07   0.948    -91.853    98.08323
    monthdv10 |    97.2369    47.68259     2.04   0.045    2.268782     192.205
    monthdv11 |   90.29302    47.68259     1.89   0.062   -4.675097    185.2611
    monthdv12 |   201.6669    47.22629     4.27   0.000    107.6076    295.7262
     yrdv2009 |   55.71362     38.5601     1.44   0.153   -21.08548    132.5127
     yrdv2010 |   79.78222     38.5601     2.07   0.042    2.983118    156.5813
     yrdv2011 |   148.9642     38.5601     3.86   0.000     72.1651    225.7633
     yrdv2012 |   340.8718    38.80888     8.78   0.000    263.5773    418.1664
     yrdv2013 |   339.2733     42.3656     8.01   0.000    254.8949    423.6517
     yrdv2014 |   356.2118     38.5601     9.24   0.000    279.4127    433.0109
     yrdv2015 |   430.7001     38.5601    11.17   0.000     353.901    507.4992
        _cons |   404.9172    42.19489     9.60   0.000    320.8788    488.9556
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NJ
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```
     Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     36.41
      Model |  55869.1134         19  2940.47965   Prob > F        =    0.0000
   Residual |  6138.15159         76  80.7651525   R-squared       =    0.9010
-------------+----------------------------------   Adj R-squared   =    0.8763
      Total |  62007.2649         95  652.708052   Root MSE        =    8.9869

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+------------------------------------------------------------------
   sandyhook |   1.957639      5.0092     0.39   0.697    -8.019048    11.93433
     monthdv2 |  -1.286759    4.493472    -0.29   0.775    -10.23628    7.662766
     monthdv3 |   11.24132    4.493472     2.50   0.015     2.291792    20.19084
     monthdv4 |   3.776049    4.493472     0.84   0.403    -5.173475    12.72557
     monthdv5 |    5.15196    4.536888     1.14   0.260    -3.884035    14.18796
     monthdv6 |   2.004594    4.536888     0.44   0.660    -7.031402    11.04059
     monthdv7 |  -2.308153    4.536888    -0.51   0.612    -11.34415    6.727842
     monthdv8 |  -1.321888    4.536888    -0.29   0.772    -10.35788    7.714107
     monthdv9 |  -5.062764    4.536888    -1.12   0.268    -14.09876    3.973231
    monthdv10 |   3.582153    4.536888     0.79   0.432    -5.453843    12.61815
    monthdv11 |   12.41369    4.536888     2.74   0.008     3.377697    21.44969
    monthdv12 |   18.86169    4.493472     4.20   0.000     9.912167    27.81122
     yrdv2009 |    14.0871    3.668904     3.84   0.000     6.779845    21.39436
     yrdv2010 |   9.054081    3.668904     2.47   0.016     1.746825    16.36134
     yrdv2011 |   18.01594    3.668904     4.91   0.000     10.70868    25.32319
     yrdv2012 |   41.68147    3.692575    11.29   0.000     34.32707    49.03587
     yrdv2013 |   72.91265    4.030989    18.09   0.000     64.88424    80.94106
     yrdv2014 |   47.29868    3.668904    12.89   0.000     39.99142    54.60594
     yrdv2015 |   44.98792    3.668904    12.26   0.000     37.68067    52.29518
        _cons |   34.84664    4.014745     8.68   0.000     26.85058     42.8427
--------------------------------------------------------------------------------
NM

     Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     38.36
      Model |  1387683.93         19  73035.9964   Prob > F        =    0.0000
   Residual |  144712.481         76  1904.11159   R-squared       =    0.9056
-------------+----------------------------------   Adj R-squared   =    0.8820
      Total |  1532396.41         95  16130.4886   Root MSE        =    43.636

--------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+------------------------------------------------------------------
   sandyhook |   219.2477    24.32218     9.01   0.000     170.8059    267.6895
     monthdv2 |   118.5788    21.81806     5.43   0.000     75.12439    162.0333
     monthdv3 |   102.2766    21.81806     4.69   0.000     58.82212     145.731
     monthdv4 |   -11.4768    21.81806    -0.53   0.600    -54.93124    31.97764
     monthdv5 |  -14.27775    22.02887    -0.65   0.519    -58.15205    29.59654
     monthdv6 |  -34.02503    22.02887    -1.54   0.127    -77.89933    9.849272
     monthdv7 |  -38.33188    22.02887    -1.74   0.086    -82.20618    5.542418
     monthdv8 |   12.99051    22.02887     0.59   0.557    -30.88379    56.86481
     monthdv9 |  -.0032263    22.02887    -0.00   1.000    -43.87753    43.87107
    monthdv10 |   55.64066    22.02887     2.53   0.014     11.76636    99.51496
    monthdv11 |   88.37268    22.02887     4.01   0.000     44.49838     132.247
    monthdv12 |   242.5473    21.81806    11.12   0.000     199.0929    286.0018
     yrdv2009 |  -2.687124    17.81437    -0.15   0.881    -38.16752    32.79328
     yrdv2010 |   .3369573    17.81437     0.02   0.985    -35.14344    35.81736
     yrdv2011 |     23.749    17.81437     1.33   0.186     -11.7314     59.2294
     yrdv2012 |   115.1364    17.92931     6.42   0.000     79.42711    150.8457
     yrdv2013 |   111.3161    19.57248     5.69   0.000     72.33416    150.2981
     yrdv2014 |   118.6536    17.81437     6.66   0.000     83.17321     154.134
     yrdv2015 |   151.2766    17.81437     8.49   0.000     115.7962     186.757
        _cons |   396.3432    19.49361    20.33   0.000     357.5184    435.1681
--------------------------------------------------------------------------------
NV
```

```
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     19.06
       Model |  753291.928         19  39646.9436   Prob > F        =    0.0000
    Residual |  158111.752         76   2080.4178   R-squared       =    0.8265
-------------+----------------------------------   Adj R-squared   =    0.7831
       Total |   911403.68         95  9593.72295   Root MSE        =    45.612

--------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+------------------------------------------------------------------
   sandyhook |   214.8492    25.42328     8.45   0.000     164.2144    265.4841
    monthdv2 |   45.01694     22.8058     1.97   0.052    -.4047414    90.43863
    monthdv3 |   62.51618     22.8058     2.74   0.008     17.09449    107.9379
    monthdv4 |   12.12143     22.8058     0.53   0.597    -33.30026    57.54311
    monthdv5 |   .9014163    23.02615     0.04   0.969    -44.95914    46.76197
    monthdv6 |  -25.99583    23.02615    -1.13   0.262    -71.85638    19.86472
    monthdv7 |  -39.72223    23.02615    -1.73   0.089    -85.58278    6.138324
    monthdv8 |  -10.58643    23.02615    -0.46   0.647    -56.44698    35.27413
    monthdv9 |  -25.76686    23.02615    -1.12   0.267    -71.62741    20.09369
   monthdv10 |  -2.470044    23.02615    -0.11   0.915     -48.3306    43.39051
   monthdv11 |   56.63532    23.02615     2.46   0.016     10.77477    102.4959
   monthdv12 |   165.1574     22.8058     7.24   0.000     119.7357     210.579
     yrdv2009 |   34.07315    18.62086     1.83   0.071    -3.013499     71.1598
     yrdv2010 |   23.88645    18.62086     1.28   0.203     -13.2002     60.9731
     yrdv2011 |   64.81994    18.62086     3.48   0.001     27.73329    101.9066
     yrdv2012 |   125.7106    18.74099     6.71   0.000     88.38467    163.0365
     yrdv2013 |   67.94671    20.45855     3.32   0.001     27.19998    108.6934
     yrdv2014 |   43.61489    18.62086     2.34   0.022     6.528236    80.70154
     yrdv2015 |   68.35709    18.62086     3.67   0.000     31.27044    105.4437
       _cons |   279.3076    20.37611    13.71   0.000      238.725    319.8901
--------------------------------------------------------------------------------
NY
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     25.48
       Model |  107951.456         19  5681.65559   Prob > F        =    0.0000
    Residual |  16948.2734         76  223.003597   R-squared       =    0.8643
-------------+----------------------------------   Adj R-squared   =    0.8304
       Total |   124899.73         95    1314.734   Root MSE        =    14.933

--------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+------------------------------------------------------------------
   sandyhook |   53.96849    8.323621     6.48   0.000     37.39056    70.54642
    monthdv2 |   .9877539    7.466652     0.13   0.895    -13.88337    15.85888
    monthdv3 |    18.6666    7.466652     2.50   0.015     3.795474    33.53773
    monthdv4 |   14.34934    7.466652     1.92   0.058     -.521783    29.22047
    monthdv5 |  -10.76458    7.538796    -1.43   0.157    -25.77939    4.250233
    monthdv6 |  -17.11605    7.538796    -2.27   0.026    -32.13086   -2.101234
    monthdv7 |  -18.10559    7.538796    -2.40   0.019     -33.1204   -3.090774
    monthdv8 |  -4.167032    7.538796    -0.55   0.582    -19.18185    10.84778
    monthdv9 |   14.74248    7.538796     1.96   0.054    -.2723365    29.75729
   monthdv10 |   32.45758    7.538796     4.31   0.000     17.44276    47.47239
   monthdv11 |   43.32868    7.538796     5.75   0.000     28.31386    58.34349
   monthdv12 |   50.84122    7.466652     6.81   0.000     35.97009    65.71234
     yrdv2009 |   7.834758    6.096496     1.29   0.203    -4.307466    19.97698
     yrdv2010 |   7.462257    6.096496     1.22   0.225    -4.679968    19.60448
     yrdv2011 |    19.7745    6.096496     3.24   0.002     7.632277    31.91673
     yrdv2012 |   43.16493    6.135829     7.03   0.000     30.94437    55.38549
     yrdv2013 |   35.17168     6.69816     5.25   0.000     21.83114    48.51222
     yrdv2014 |   57.94042    6.096496     9.50   0.000      45.7982    70.08265
     yrdv2015 |   49.41697    6.096496     8.11   0.000     37.27474    61.55919
       _cons |   85.82206    6.671169    12.86   0.000     72.53528    99.10885
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OH
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```
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     35.81
       Model |  1981705.89         19   104300.31   Prob > F        =    0.0000
    Residual |  221348.339         76  2912.47815   R-squared       =    0.8995
-------------+----------------------------------   Adj R-squared   =    0.8744
       Total |  2203054.23         95  23190.0445   Root MSE        =    53.967

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   231.5785   30.08068     7.70   0.000     171.6676    291.4893
    monthdv2 |   75.36866   26.98369     2.79   0.007     21.62598    129.1113
    monthdv3 |   79.97498   26.98369     2.96   0.004      26.2323    133.7177
    monthdv4 |   5.951134   26.98369     0.22   0.826    -47.79154    59.69381
    monthdv5 |  -36.87466   27.24441    -1.35   0.180     -91.1366    17.38728
    monthdv6 |  -57.02408   27.24441    -2.09   0.040     -111.286   -2.762136
    monthdv7 |  -46.22523   27.24441    -1.70   0.094    -100.4872    8.036712
    monthdv8 |  -19.82396   27.24441    -0.73   0.469     -74.0859    34.43798
    monthdv9 |  -8.751124   27.24441    -0.32   0.749    -63.01307    45.51082
   monthdv10 |   47.26375   27.24441     1.73   0.087     -6.99819    101.5257
   monthdv11 |   170.7586   27.24441     6.27   0.000     116.4967    225.0206
   monthdv12 |   238.4649   26.98369     8.84   0.000     184.7223    292.2076
     yrdv2009 |   32.63937   22.03209     1.48   0.143    -11.24134    76.52009
     yrdv2010 |   30.66284   22.03209     1.39   0.168    -13.21787    74.54355
     yrdv2011 |   85.20433   22.03209     3.87   0.000     41.32361     129.085
     yrdv2012 |   181.3165   22.17423     8.18   0.000     137.1527    225.4803
     yrdv2013 |   159.8605   24.20644     6.60   0.000     111.6492    208.0718
     yrdv2014 |   175.2569   22.03209     7.95   0.000     131.3762    219.1377
     yrdv2015 |   283.8011   22.03209    12.88   0.000     239.9204    327.6818
       _cons |   215.8708    24.1089     8.95   0.000     167.8537    263.8878
------------------------------------------------------------------------------
OK
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     41.93
       Model |  4577381.83         19  240914.833   Prob > F        =    0.0000
    Residual |  436700.448         76  5746.05852   R-squared       =    0.9129
-------------+----------------------------------   Adj R-squared   =    0.8911
       Total |  5014082.28         95  52779.8135   Root MSE        =    75.803

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   355.6615   42.25143     8.42   0.000     271.5105    439.8126
    monthdv2 |    107.683   37.90138     2.84   0.006      32.1959    183.1702
    monthdv3 |   5.432922   37.90138     0.14   0.886    -70.05422    80.92006
    monthdv4 |  -79.37086   37.90138    -2.09   0.040     -154.858   -3.883724
    monthdv5 |  -127.0475   38.26759    -3.32   0.001     -203.264   -50.83097
    monthdv6 |  -154.6751   38.26759    -4.04   0.000    -230.8916   -78.45856
    monthdv7 |  -133.7422   38.26759    -3.49   0.001    -209.9587   -57.52566
    monthdv8 |  -45.24574   38.26759    -1.18   0.241    -121.4622    30.97077
    monthdv9 |  -72.16723   38.26759    -1.89   0.063    -148.3837    4.049276
   monthdv10 |   7.245081   38.26759     0.19   0.850    -68.97142    83.46158
   monthdv11 |   224.2788   38.26759     5.86   0.000     148.0623    300.4953
   monthdv12 |   389.1239   37.90138    10.27   0.000     313.6368    464.6111
     yrdv2009 |   22.44907   30.94635     0.73   0.470    -39.18592    84.08407
     yrdv2010 |   15.12443   30.94635     0.49   0.626    -46.51057    76.75942
     yrdv2011 |   94.84643   30.94635     3.06   0.003     33.21144    156.4814
     yrdv2012 |   270.2429     31.146     8.68   0.000     208.2103    332.2756
     yrdv2013 |   201.2546   34.00044     5.92   0.000     133.5369    268.9724
     yrdv2014 |   245.2144   30.94635     7.92   0.000     183.5795    306.8494
     yrdv2015 |   262.1118   30.94635     8.47   0.000     200.4768    323.7468
       _cons |   493.2203   33.86344    14.56   0.000     425.7755    560.6652
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OR
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```
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     25.76
       Model |  1623607.85         19  85453.0449   Prob > F        =    0.0000
    Residual |  252120.248         76  3317.37169   R-squared       =    0.8656
-------------+----------------------------------   Adj R-squared   =    0.8320
       Total |   1875728.1         95  19744.5063   Root MSE        =    57.597

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   250.3293   32.10358     7.80   0.000     186.3895    314.2691
    monthdv2 |   70.76785   28.79831     2.46   0.016     13.41103    128.1247
    monthdv3 |   103.8788   28.79831     3.61   0.001     46.52195    161.2356
    monthdv4 |   12.39168   28.79831     0.43   0.668    -44.96513     69.7485
    monthdv5 |  -19.63666   29.07657    -0.68   0.502    -77.54766    38.27433
    monthdv6 |  -49.11122   29.07657    -1.69   0.095    -107.0222    8.799779
    monthdv7 |   -78.2587   29.07657    -2.69   0.009    -136.1697   -20.34771
    monthdv8 |  -38.72972   29.07657    -1.33   0.187    -96.64072    19.18128
    monthdv9 |   18.22843   29.07657     0.63   0.533    -39.68257    76.13943
   monthdv10 |   27.93969   29.07657     0.96   0.340    -29.97131    85.85069
   monthdv11 |    100.432   29.07657     3.45   0.001     42.52103     158.343
   monthdv12 |   251.4507   28.79831     8.73   0.000     194.0939    308.8075
    yrdv2009 |   7.119446   23.51373     0.30   0.763     -39.7122    53.95109
    yrdv2010 |   3.569272   23.51373     0.15   0.880    -43.26237    50.40092
    yrdv2011 |   54.13861   23.51373     2.30   0.024     7.306971    100.9703
    yrdv2012 |   152.0607   23.66543     6.43   0.000     104.9269    199.1945
    yrdv2013 |   100.7295    25.8343     3.90   0.000     49.27607     152.183
    yrdv2014 |   112.2532   23.51373     4.77   0.000     65.42156    159.0848
    yrdv2015 |   173.3648   23.51373     7.37   0.000     126.5332    220.1965
       _cons |   364.4809   25.73019    14.17   0.000     313.2348     415.727
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PA

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     27.16
       Model |  2342695.62         19   123299.77   Prob > F        =    0.0000
    Residual |  344969.75          76  4539.07566   R-squared       =    0.8716
-------------+----------------------------------   Adj R-squared   =    0.8396
       Total |  2687665.37         95  28291.2145   Root MSE        =    67.373

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   283.2584   37.55261     7.54   0.000     208.4659    358.0509
    monthdv2 |   31.02734   33.68633     0.92   0.360    -36.06481    98.11948
    monthdv3 |   113.0353   33.68633     3.36   0.001     45.94314    180.1274
    monthdv4 |  -11.14606   33.68633    -0.33   0.742     -78.2382    55.94608
    monthdv5 |  -68.21869   34.01181    -2.01   0.048    -135.9591   -.4782977
    monthdv6 |    -91.402   34.01181    -2.69   0.009    -159.1424   -23.66161
    monthdv7 |  -83.89062   34.01181    -2.47   0.016     -151.631   -16.15023
    monthdv8 |  -32.83046   34.01181    -0.97   0.337    -100.5709    34.90993
    monthdv9 |  -13.53426   34.01181    -0.40   0.692    -81.27465    54.20614
   monthdv10 |   50.28682   34.01181     1.48   0.143    -17.45357    118.0272
   monthdv11 |   152.1076   34.01181     4.47   0.000     84.36718     219.848
   monthdv12 |   196.4974   33.68633     5.83   0.000     129.4052    263.5895
    yrdv2009 |   26.68521   27.50477     0.97   0.335    -28.09529    81.46572
    yrdv2010 |   15.33991   27.50477     0.56   0.579    -39.44059    70.12042
    yrdv2011 |   74.59156   27.50477     2.71   0.008     19.81105    129.3721
    yrdv2012 |   212.8176   27.68223     7.69   0.000     157.6837    267.9515
    yrdv2013 |   191.1431   30.21922     6.33   0.000     130.9563    251.3299
    yrdv2014 |   190.2517   27.50477     6.92   0.000     135.4712    245.0323
    yrdv2015 |   251.1604   27.50477     9.13   0.000     196.3799    305.9409
       _cons |   375.3158   30.09745    12.47   0.000     315.3715    435.2601
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RI
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      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     29.37
       Model |  245045.427         19  12897.1277   Prob > F        =    0.0000
    Residual |  33372.7254         76  439.114807   R-squared       =    0.8801
-------------+----------------------------------   Adj R-squared   =    0.8502
       Total |  278418.152         95  2930.71739   Root MSE        =    20.955

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   120.2171   11.68007    10.29   0.000     96.95427      143.48
     monthdv2 |  -.3966618   10.47753    -0.04   0.970    -21.26448    20.47115
     monthdv3 |   22.47661   10.47753     2.15   0.035     1.608796    43.34443
     monthdv4 |  -5.363818   10.47753    -0.51   0.610    -26.23163      15.504
     monthdv5 |  -13.96575   10.57877    -1.32   0.191    -35.03519    7.103694
     monthdv6 |  -27.64374   10.57877    -2.61   0.011    -48.71318   -6.574296
     monthdv7 |    -30.531   10.57877    -2.89   0.005    -51.60044   -9.461557
     monthdv8 |  -18.69797   10.57877    -1.77   0.081    -39.76741     2.37147
     monthdv9 |  -14.42917   10.57877    -1.36   0.177    -35.49861    6.640274
    monthdv10 |    6.93637   10.57877     0.66   0.514    -14.13307    28.00581
    monthdv11 |   20.06909   10.57877     1.90   0.062    -1.000354    41.13853
    monthdv12 |   44.86101   10.47753     4.28   0.000       23.9932    65.72883
     yrdv2009 |   19.06045    8.55487     2.23   0.029      2.02195    36.09895
     yrdv2010 |   19.39274    8.55487     2.27   0.026     2.354244    36.43124
     yrdv2011 |   38.84406    8.55487     4.54   0.000     21.80556    55.88256
     yrdv2012 |    82.4354   8.610063     9.57   0.000     65.28697    99.58383
     yrdv2013 |   73.00295    9.39915     7.77   0.000     54.28292    91.72298
     yrdv2014 |   63.16615    8.55487     7.38   0.000     46.12765    80.20465
     yrdv2015 |   76.59433    8.55487     8.95   0.000     59.55583    93.63284
        _cons |   99.37592   9.361276    10.62   0.000     80.73132    118.0205
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SC
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     37.85
       Model |  1799553.42         19  94713.338   Prob > F        =    0.0000
    Residual |  190164.973         76  2502.1707   R-squared       =    0.9044
-------------+----------------------------------   Adj R-squared   =    0.8805
       Total |   1989718.4         95  20944.4042   Root MSE        =    50.022

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   212.2487   27.88142     7.61   0.000      156.718    267.7794
     monthdv2 |   129.0177   25.01085     5.16   0.000      79.2043    178.8312
     monthdv3 |    62.6862   25.01085     2.51   0.014     12.87277    112.4996
     monthdv4 |  -42.74731   25.01085    -1.71   0.092    -92.56074    7.066113
     monthdv5 |  -42.13113   25.25251    -1.67   0.099    -92.42586    8.163595
     monthdv6 |  -54.16189   25.25251    -2.14   0.035    -104.4566   -3.867159
     monthdv7 |  -40.12816   25.25251    -1.59   0.116    -90.42289    10.16657
     monthdv8 |  -.2775783   25.25251    -0.01   0.991    -50.57231    50.01715
     monthdv9 |  -27.66768   25.25251    -1.10   0.277    -77.96241    22.62704
    monthdv10 |   8.250231   25.25251     0.33   0.745     -42.0445    58.54496
    monthdv11 |    134.828   25.25251     5.34   0.000     84.53325    185.1227
    monthdv12 |    239.987   25.01085     9.60   0.000     190.1736    289.8004
     yrdv2009 |   49.30627   20.42127     2.41   0.018     8.633778    89.97876
     yrdv2010 |   22.14933   20.42127     1.08   0.282    -18.52316    62.82182
     yrdv2011 |   68.85427   20.42127     3.37   0.001     28.18178    109.5268
     yrdv2012 |    186.373   20.55303     9.07   0.000     145.4381    227.3079
     yrdv2013 |   175.6138   22.43665     7.83   0.000     130.9273    220.3002
     yrdv2014 |   159.7342   20.42127     7.82   0.000     119.0617    200.4067
     yrdv2015 |   216.2644   20.42127    10.59   0.000     175.5919    256.9369
        _cons |   309.6527   22.34624    13.86   0.000     265.1463    354.1591
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SD
```

```
    Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     38.83
       Model |  5892801.68         19  310147.457   Prob > F        =    0.0000
    Residual |  607075.605         76  7987.83691   R-squared       =    0.9066
-------------+----------------------------------   Adj R-squared   =    0.8833
       Total |  6499877.28         95  68419.7608   Root MSE        =    89.375

--------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   437.1897   49.81624     8.78   0.000     337.972    536.4073
     monthdv2 |   97.37334   44.68735     2.18   0.032    8.370774    186.3759
     monthdv3 |   97.77211   44.68735     2.19   0.032    8.769539    186.7747
     monthdv4 |  -50.38144   44.68735    -1.13   0.263    -139.384    38.62113
     monthdv5 |  -107.2559   45.11912    -2.38   0.020   -197.1184   -17.39338
     monthdv6 |  -158.9112   45.11912    -3.52   0.001   -248.7737   -69.04864
     monthdv7 |  -153.1028   45.11912    -3.39   0.001   -242.9653   -63.24029
     monthdv8 |   21.11244   45.11912     0.47   0.641   -68.75007    110.975
     monthdv9 |   123.3611   45.11912     2.73   0.008    33.49857    213.2236
    monthdv10 |   398.2786   45.11912     8.83   0.000    308.4161    488.1411
    monthdv11 |   286.0481   45.11912     6.34   0.000    196.1856    375.9106
    monthdv12 |   442.2388   44.68735     9.90   0.000    353.2362    531.2414
    yrdv2009 |   6.586418   36.48707     0.18   0.857   -66.08388    79.25671
    yrdv2010 |  -6.952426   36.48707    -0.19   0.849   -79.62272    65.71787
    yrdv2011 |   52.54199   36.48707     1.44   0.154    -20.1283    125.2123
    yrdv2012 |   195.0217   36.72247     5.31   0.000    121.8826    268.1609
    yrdv2013 |   110.1797   40.08798     2.75   0.007    30.33761    190.0219
    yrdv2014 |   165.3699   36.48707     4.53   0.000    92.69959    238.0402
    yrdv2015 |   321.6813   36.48707     8.82   0.000     249.011    394.3516
       _cons |   568.5962   39.92644    14.24   0.000    489.0758    648.1166
--------------------------------------------------------------------------------
TN

    Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     25.67
       Model |  4230917.45         19  222679.866   Prob > F        =    0.0000
    Residual |  659383.679         76  8676.10103   R-squared       =    0.8652
-------------+----------------------------------   Adj R-squared   =    0.8315
       Total |  4890301.12         95  51476.8539   Root MSE        =    93.146

--------------------------------------------------------------------------------
     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   324.1582   51.91809     6.24   0.000    220.7544     427.562
     monthdv2 |   105.8321    46.5728     2.27   0.026    13.07436    198.5899
     monthdv3 |   24.20015    46.5728     0.52   0.605   -68.55761    116.9579
     monthdv4 |  -102.9858    46.5728    -2.21   0.030   -195.7436   -10.22808
     monthdv5 |   -103.565   47.02278    -2.20   0.031    -197.219   -9.911021
     monthdv6 |  -123.9817   47.02278    -2.64   0.010   -217.6357   -30.32767
     monthdv7 |  -75.69832   47.02278    -1.61   0.112   -169.3523    17.95567
     monthdv8 |   7.988138   47.02278     0.17   0.866   -85.66585    101.6421
     monthdv9 |  -56.87937   47.02278    -1.21   0.230   -150.5334    36.77462
    monthdv10 |   22.83219   47.02278     0.49   0.629    -70.8218    116.4862
    monthdv11 |   173.7476   47.02278     3.69   0.000     80.0936    267.4016
    monthdv12 |   396.7931    46.5728     8.52   0.000    304.0354    489.5509
    yrdv2009 |   163.2287   38.02653     4.29   0.000    87.49235    238.9651
    yrdv2010 |   161.5945   38.02653     4.25   0.000    85.85812    237.3309
    yrdv2011 |   210.2768   38.02653     5.53   0.000    134.5404    286.0132
    yrdv2012 |   272.3251   38.27186     7.12   0.000    196.1001    348.5501
    yrdv2013 |   285.5028   41.77937     6.83   0.000     202.292    368.7136
    yrdv2014 |   301.6002   38.02653     7.93   0.000    225.8638    377.3366
    yrdv2015 |   448.7143   38.02653    11.80   0.000    372.9779    524.4507
       _cons |   354.8913   41.61101     8.53   0.000    272.0158    437.7669
--------------------------------------------------------------------------------
TX
```

```
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     41.76
       Model |  1429081.13         19  75214.7964   Prob > F        =    0.0000
    Residual |  136894.529         76   1801.2438   R-squared       =    0.9126
-------------+----------------------------------   Adj R-squared   =    0.8907
       Total |  1565975.66         95  16483.9543   Root MSE        =    42.441

--------------------------------------------------------------------------------
     totalpc |     Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   215.7868   23.65607     9.12   0.000     168.6716    262.9019
    monthdv2 |   57.57873   21.22053     2.71   0.008     15.31438    99.84308
    monthdv3 |   21.59027   21.22053     1.02   0.312    -20.67408    63.85462
    monthdv4 |  -59.67892   21.22053    -2.81   0.006    -101.9433   -17.41456
    monthdv5 |  -47.96808   21.42557    -2.24   0.028    -90.64079   -5.295369
    monthdv6 |  -63.20846   21.42557    -2.95   0.004    -105.8812   -20.53574
    monthdv7 |   -58.7882   21.42557    -2.74   0.008    -101.4609   -16.11549
    monthdv8 |   4.918068   21.42557     0.23   0.819    -37.75464    47.59078
    monthdv9 |  -3.273182   21.42557    -0.15   0.879    -45.94589    39.39953
   monthdv10 |   29.98093   21.42557     1.40   0.166    -12.69178    72.65364
   monthdv11 |   107.5909   21.42557     5.02   0.000     64.91824    150.2637
   monthdv12 |   249.2506   21.22053    11.75   0.000     206.9863     291.515
    yrdv2009 |   16.90118   17.32649     0.98   0.332    -17.60752    51.40988
    yrdv2010 |  -4.238753   17.32649    -0.24   0.807    -38.74745    30.26995
    yrdv2011 |   51.49861   17.32649     2.97   0.004     16.98991    86.00731
    yrdv2012 |   116.9277   17.43828     6.71   0.000     82.19639    151.6591
    yrdv2013 |    117.862   19.03644     6.19   0.000     79.94761    155.7763
    yrdv2014 |   129.0121   17.32649     7.45   0.000     94.50338    163.5208
    yrdv2015 |   153.7812   17.32649     8.88   0.000     119.2725    188.2899
       _cons |   303.9727   18.95973    16.03   0.000     266.2112    341.7343
--------------------------------------------------------------------------------
VA

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     22.40
       Model |  1443942.74         19  75996.9861   Prob > F        =    0.0000
    Residual |  257803.412         76  3392.15015   R-squared       =    0.8485
-------------+----------------------------------   Adj R-squared   =    0.8106
       Total |  1701746.15         95  17913.1173   Root MSE        =    58.242

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     totalpc |     Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   222.4374   32.46339     6.85   0.000      157.781    287.0939
    monthdv2 |   64.22467   29.12108     2.21   0.030     6.225003    122.2243
    monthdv3 |   46.94136   29.12108     1.61   0.111     -11.0583     104.941
    monthdv4 |  -.0896587   29.12108    -0.00   0.998    -58.08932    57.91001
    monthdv5 |  -51.66669   29.40245    -1.76   0.083    -110.2267    6.893375
    monthdv6 |  -84.26822   29.40245    -2.87   0.005    -142.8283   -25.70816
    monthdv7 |  -45.29784   29.40245    -1.54   0.128    -103.8579    13.26222
    monthdv8 |  -29.03595   29.40245    -0.99   0.327    -87.59601    29.52411
    monthdv9 |  -15.25906   29.40245    -0.52   0.605    -73.81912      43.301
   monthdv10 |   35.26294   29.40245     1.20   0.234    -23.29712     93.823
   monthdv11 |    134.945   29.40245     4.59   0.000     76.38497    193.5051
   monthdv12 |   221.1511   29.12108     7.59   0.000     163.1515    279.1508
    yrdv2009 |   14.92662   23.77727     0.63   0.532    -32.42991    62.28315
    yrdv2010 |   36.30064   23.77727     1.53   0.131    -11.05589    83.65717
    yrdv2011 |    43.7884   23.77727     1.84   0.069    -3.568131    91.14493
    yrdv2012 |   141.1085   23.93067     5.90   0.000     93.44642    188.7705
    yrdv2013 |   131.4516   26.12384     5.03   0.000     79.42149    183.4818
    yrdv2014 |   123.2532   23.77727     5.18   0.000     75.89666    170.6097
    yrdv2015 |   163.4796   23.77727     6.88   0.000      116.123    210.8361
       _cons |    273.699   26.01858    10.52   0.000     221.8786    325.5195
--------------------------------------------------------------------------------
VT
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```
      Source |       SS           df       MS       Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     41.47
       Model |  1203841.51         19  63360.0792   Prob > F        =     0.0000
    Residual |  116107.731         76  1527.73331   R-squared       =     0.9120
-------------+----------------------------------   Adj R-squared   =     0.8900
       Total |  1319949.24         95  13894.2025   Root MSE        =     39.086

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   222.3524   21.78613    10.21   0.000     178.9615    265.7432
    monthdv2 |   114.8438   19.54311     5.88   0.000     75.92028    153.7672
    monthdv3 |   143.5745   19.54311     7.35   0.000      104.651     182.498
    monthdv4 |   89.93562   19.54311     4.60   0.000     51.01213    128.8591
    monthdv5 |  -2.955127   19.73194    -0.15   0.881    -42.25469    36.34444
    monthdv6 |  -37.02654   19.73194    -1.88   0.064    -76.32611    2.273023
    monthdv7 |  -26.94137   19.73194    -1.37   0.176    -66.24094     12.3582
    monthdv8 |   17.17962   19.73194     0.87   0.387    -22.11995    56.47919
    monthdv9 |   90.50235   19.73194     4.59   0.000     51.20279    129.8019
   monthdv10 |   140.8906   19.73194     7.14   0.000      101.591    180.1901
   monthdv11 |   121.8758   19.73194     6.18   0.000     82.57623    161.1754
   monthdv12 |   165.3089   19.54311     8.46   0.000     126.3854    204.2324
    yrdv2009 |   14.27797   15.95689     0.89   0.374    -17.50292    46.05887
    yrdv2010 |   29.55902   15.95689     1.85   0.068    -2.221872    61.33991
    yrdv2011 |   69.30158   15.95689     4.34   0.000     37.52069    101.0825
    yrdv2012 |    146.925   16.05983     9.15   0.000      114.939    178.9109
    yrdv2013 |   112.4347   17.53167     6.41   0.000     77.51738    147.3521
    yrdv2014 |   125.2303   15.95689     7.85   0.000     93.44944    157.0112
    yrdv2015 |   166.7936   15.95689    10.45   0.000     135.0127    198.5745
       _cons |   225.5132   17.46103    12.92   0.000     190.7365    260.2898
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WA

      Source |       SS           df       MS       Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     26.74
       Model |  1853805.01         19  97568.6847   Prob > F        =     0.0000
    Residual |  277336.116         76  3649.15942   R-squared       =     0.8699
-------------+----------------------------------   Adj R-squared   =     0.8373
       Total |  2131141.13         95  22433.0645   Root MSE        =     60.408

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |    306.242   33.67075     9.10   0.000     239.1809    373.3031
    monthdv2 |    43.5423   30.20414     1.44   0.154    -16.61445     103.699
    monthdv3 |   58.76189   30.20414     1.95   0.055    -1.394865    118.9186
    monthdv4 |  -8.372925   30.20414    -0.28   0.782    -68.52968    51.78383
    monthdv5 |  -41.19051   30.49597    -1.35   0.181    -101.9285    19.54747
    monthdv6 |  -71.99199   30.49597    -2.36   0.021      -132.73     -11.254
    monthdv7 |  -92.75651   30.49597    -3.04   0.003    -153.4945   -32.01852
    monthdv8 |  -54.68152   30.49597    -1.79   0.077     -115.4195     6.05647
    monthdv9 |  -37.30192   30.49597    -1.22   0.225      -98.0399    23.43607
   monthdv10 |   22.81612   30.49597     0.75   0.457    -37.92187     83.5541
   monthdv11 |   44.50341   30.49597     1.46   0.149    -16.23458    105.2414
   monthdv12 |   166.0578   30.20414     5.50   0.000     105.9011    226.2146
    yrdv2009 |   18.83281   24.66157     0.76   0.447    -30.28497    67.95059
    yrdv2010 |    12.3943   24.66157     0.50   0.617    -36.72348    61.51208
    yrdv2011 |   79.66583   24.66157     3.23   0.002     30.54805    128.7836
    yrdv2012 |   199.7558   24.82068     8.05   0.000     150.3211    249.1904
    yrdv2013 |    166.447   27.09543     6.14   0.000     112.4818    220.4122
    yrdv2014 |   166.7794   24.66157     6.76   0.000     117.6616    215.8971
    yrdv2015 |   181.7122   24.66157     7.37   0.000     132.5944    230.8299
       _cons |   399.5854   26.98624    14.81   0.000     345.8376    453.3332
------------------------------------------------------------------------------
WI
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```
      Source |       SS           df       MS            Number of obs   =         96
-------------+----------------------------------         F(19, 76)       =      11.62
       Model |  3669401.98         19   193126.42         Prob > F        =     0.0000
    Residual |  1262992.44         76  16618.3216         R-squared       =     0.7439
-------------+----------------------------------         Adj R-squared   =     0.6799
       Total |  4932394.43         95  51919.9414         Root MSE        =     128.91

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   289.1362   71.85384     4.02   0.000     146.0269    432.2456
    monthdv2 |   60.98171   64.45603     0.95   0.347    -67.39361     189.357
    monthdv3 |    131.013   64.45603     2.03   0.046      2.63764    259.3883
    monthdv4 |   37.16205   64.45603     0.58   0.566    -91.21327    165.5374
    monthdv5 |  -63.16075   65.07881    -0.97   0.335    -192.7764    66.45494
    monthdv6 |  -111.7316   65.07881    -1.72   0.090    -241.3472    17.88413
    monthdv7 |  -102.6744   65.07881    -1.58   0.119    -232.2901    26.94127
    monthdv8 |  -14.36554   65.07881    -0.22   0.826    -143.9812    115.2501
    monthdv9 |   35.24547   65.07881     0.54   0.590    -94.37022    164.8612
   monthdv10 |   110.7545   65.07881     1.70   0.093    -18.86118    240.3702
   monthdv11 |   227.4596   65.07881     3.50   0.001     97.84395    357.0753
   monthdv12 |   199.9053   64.45603     3.10   0.003     71.53002    328.2807
    yrdv2009 |   13.51706   52.62813     0.26   0.798    -91.30095     118.3351
    yrdv2010 |   9.297153   52.62813     0.18   0.860    -95.52086     114.1152
    yrdv2011 |   195.0854   52.62813     3.71   0.000     90.26743    299.9035
    yrdv2012 |   382.9757   52.96767     7.23   0.000     277.4815      488.47
    yrdv2013 |   258.3159     57.822     4.47   0.000     143.1535    373.4784
    yrdv2014 |   207.7268   52.62813     3.95   0.000     102.9088    312.5448
    yrdv2015 |   277.4406   52.62813     5.27   0.000     172.6225    382.2586
       _cons |    233.435   57.58901     4.05   0.000     118.7365    348.1334
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WV

      Source |       SS           df       MS            Number of obs   =         96
-------------+----------------------------------         F(19, 76)       =      54.17
       Model |  8445519.34         19  444501.018         Prob > F        =     0.0000
    Residual |  623605.297         76  8205.33286         R-squared       =     0.9312
-------------+----------------------------------         Adj R-squared   =     0.9140
       Total |  9069124.64         95  95464.4699         Root MSE        =     90.583

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   375.9747    50.4899     7.45   0.000     275.4153     476.534
    monthdv2 |   263.6115   45.29165     5.82   0.000     173.4054    353.8176
    monthdv3 |   160.8533   45.29165     3.55   0.001     70.64722    251.0595
    monthdv4 |  -46.44881   45.29165    -1.03   0.308    -136.6549    43.75732
    monthdv5 |   -113.986   45.72926    -2.49   0.015    -205.0637   -22.90827
    monthdv6 |  -157.7004   45.72926    -3.45   0.001    -248.7782   -66.62274
    monthdv7 |  -133.9054   45.72926    -2.93   0.004    -224.9831   -42.82765
    monthdv8 |  -28.57232   45.72926    -0.62   0.534      -119.65    62.50538
    monthdv9 |   40.67879   45.72926     0.89   0.377    -50.39892    131.7565
   monthdv10 |   214.2733   45.72926     4.69   0.000     123.1956     305.351
   monthdv11 |   433.6372   45.72926     9.48   0.000     342.5595    524.7149
   monthdv12 |   550.5331   45.29165    12.16   0.000      460.327    640.7392
    yrdv2009 |   38.52795   36.98047     1.04   0.301    -35.12505    112.1809
    yrdv2010 |   48.28743   36.98047     1.31   0.196    -25.36557    121.9404
    yrdv2011 |   164.5476   36.98047     4.45   0.000      90.8946    238.2006
    yrdv2012 |   312.5869   37.21906     8.40   0.000     238.4588    386.7151
    yrdv2013 |   325.5054   40.63008     8.01   0.000     244.5835    406.4272
    yrdv2014 |   331.2173   36.98047     8.96   0.000     257.5643    404.8703
    yrdv2015 |   456.4877   36.98047    12.34   0.000     382.8347    530.1407
       _cons |   570.1875   40.46636    14.09   0.000     489.5917    650.7832
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WY
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```
      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =     18.99
       Model |  3245292.62        19  170804.875   Prob > F        =    0.0000
    Residual |   683670.09        76  8995.65908   R-squared       =    0.8260
-------------+----------------------------------   Adj R-squared   =    0.7825
       Total |  3928962.71        95  41357.5022   Root MSE        =    94.845

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     totalpc |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   sandyhook |   391.9716   52.86556     7.41   0.000     286.6808    497.2625
    monthdv2 |   147.2614   47.42272     3.11   0.003     52.81084    241.7119
    monthdv3 |   197.2692   47.42272     4.16   0.000     102.8187    291.7198
    monthdv4 |   68.71162   47.42272     1.45   0.151    -25.73892    163.1622
    monthdv5 |   68.08088   47.88093     1.42   0.159    -27.28224     163.444
    monthdv6 |   13.92911   47.88093     0.29   0.772    -81.43402    109.2922
    monthdv7 |  -49.80081   47.88093    -1.04   0.302    -145.1639    45.56232
    monthdv8 |    47.4285   47.88093     0.99   0.325    -47.93463    142.7916
    monthdv9 |   96.81669   47.88093     2.02   0.047     1.453565    192.1798
   monthdv10 |   75.91657   47.88093     1.59   0.117    -19.44656    171.2797
   monthdv11 |   170.3464   47.88093     3.56   0.001     74.98324    265.7095
   monthdv12 |    456.689   47.42272     9.63   0.000     362.2385    551.1396
    yrdv2009 |    13.3141   38.72049     0.34   0.732    -63.80444    90.43265
    yrdv2010 |  -47.42012   38.72049    -1.22   0.224    -124.5387    29.69843
    yrdv2011 |   14.81428   38.72049     0.38   0.703    -62.30426    91.93282
    yrdv2012 |   130.5331    38.9703     3.35   0.001     52.91698    208.1492
    yrdv2013 |   127.5828   42.54182     3.00   0.004     42.85343    212.3122
    yrdv2014 |   147.7074   38.72049     3.81   0.000     70.58886    224.8259
    yrdv2015 |   134.6467   38.72049     3.48   0.001     57.52817    211.7653
       _cons |   643.9753   42.37039    15.20   0.000     559.5873    728.3632
------------------------------------------------------------------------------

. clear;

. ************************.
. * Replication Figure 4 *;
. ************************.
. /*use deaths-age-state-NOTPUBLIC.dta;
> sort stfips year month;
>
> sort stfips year month;
> merge m:1 stfips year month using bckcheck-state-public.dta;
> tab _merge;
> drop if _merge ~= 3;
> drop _merge;
>
> sort stfips year agecat;
> merge stfips year agecat using population-state-age-public;
> tab _merge;
> drop if _merge~=3;
>
> keep if agecat == "0_14";
> keep if month <= 4 | month == 12;
>     replace year = year + 1 if month == 12;
> drop if year < 2008 | year > 2015;
>
> * drop states with clearly flawed gun sales data (DC, KY, NC, and UT);
> drop if stfips == 11 | stfips == 21 | stfips == 37 | stfips == 49;
>
> sort stfips year;
>
> gen mortrate = (numdeaths/pop_byage)*100000;
>
> collapse (mean) mortrate pop_byage, by(stfips year);
>
> gen largeinc = stfips == 33 | stfips == 2 | stfips == 30 | stfips == 46 |
>     stfips == 56 | stfips == 54 | stfips == 40 | stfips == 29 |
>        stfips == 38 | stfips == 16 | stfips == 27 | stfips == 47 |
>        stfips == 53 | stfips == 20 | stfips == 55 | stfips == 42 |
>        stfips ==  5 | stfips == 31 | stfips == 28 | stfips == 22 |
>         stfips == 41 | stfips ==  8     | stfips == 23 | stfips == 17 |
>        stfips == 39 | stfips == 51 | stfips == 50 | stfips == 35 |
```

```
>              stfips == 48 | stfips == 32 | stfips == 45;
>
> tab largeinc;
> sort stfips year;
>
> sort largeinc year;
> collapse (mean) mortrate [weight=pop_byage], by(largeinc year);
>
> gen trend = year - 2007;
> gen trend2 = trend^2;
>
> regress mortrate trend trend2 if year ~= 2013 & largeinc == 1;
> predict residbig, residual;
> regress mortrate trend trend2 if year ~= 2013 & largeinc == 0;
> predict residsml, residual;
>
> sort largeinc year;
> list year mortrate residbig largeinc if largeinc == 1, clean;
> list year mortrate residsml largeinc if largeinc == 0, clean;
> clear;*/
>
> **********************************************************.
. * Replication Table 1, Panel 1 (Descriptive Statistics) *;
. **********************************************************;
. use deaths-age-public.dta;

. keep if year==2013;
(192 observations deleted)

. keep if causedeath=="acc_firearms";
(0 observations deleted)

. format pop_byage %10.0f;

. *Multiply number of deaths by 5 to obtain average number of deaths in a 5-month wind
> ow;
. bysort agecat: summ numdeaths pop_byage;

--------------------------------------------------------------------------------
> -----------
-> agecat = 0_14

    Variable |        Obs        Mean    Std. Dev.        Min        Max
-------------+-------------------------------------------------------------
   numdeaths |         12         5.5    1.930615          2          9
   pop_byage |         12    6.11e+07           0   6.11e+07   6.11e+07

--------------------------------------------------------------------------------
> -----------
-> agecat = 15p

    Variable |        Obs        Mean    Std. Dev.        Min        Max
-------------+-------------------------------------------------------------
   numdeaths |         12    36.41667    9.169696         25         52
   pop_byage |         12    2.55e+08           0   2.55e+08   2.55e+08

. clear;

. ***************************;
```

```
. *Replicate Table 1, panel 2 *;
. ***************************;
. use deaths-age-public.dta;

. keep if year>=2008;
(24 observations deleted)

. gen sandyhook=(year==2012 & month==12)|(year==2013 & month<=4);

. collapse (sum) numdeaths pop_byage, by(year month agecat sandyhook);

. gen mortrate=(numdeaths/pop_byage)*100000;

. foreach x in 0_14 15p {;
  2. di "`x'";
  3. xi: regress mortrate i.month i.year sandyhook if agecat=="`x'";
  4. };
0_14
i.month            _Imonth_1-12       (naturally coded; _Imonth_1 omitted)
i.year             _Iyear_2008-2015   (naturally coded; _Iyear_2008 omitted)

      Source |       SS           df       MS        Number of obs   =        96
-------------+------------------------------         F(19, 76)       =      2.08
       Model |  .000572331         19  .000030123    Prob > F        =    0.0133
    Residual |  .001101415         76  .000014492    R-squared       =    0.3419
-------------+------------------------------         Adj R-squared   =    0.1774
       Total |  .001673746         95  .000017618    Root MSE        =    .00381

------------------------------------------------------------------------------
    mortrate |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   _Imonth_2 |   .0026612   .0019034     1.40   0.166    -.0011298    .0064522
   _Imonth_3 |   .0002085   .0019034     0.11   0.913    -.0035826    .0039995
   _Imonth_4 |   .0018438   .0019034     0.97   0.336    -.0019472    .0056348
   _Imonth_5 |   .0044127   .0019218     2.30   0.024      .000585    .0082403
   _Imonth_6 |   .0009357   .0019218     0.49   0.628     -.002892    .0047633
   _Imonth_7 |   .0070736   .0019218     3.68   0.000     .0032459    .0109012
   _Imonth_8 |   .0015479   .0019218     0.81   0.423    -.0022798    .0053755
   _Imonth_9 |   .0011396   .0019218     0.59   0.555    -.0026881    .0049672
  _Imonth_10 |   .0023696   .0019218     1.23   0.221    -.0014581    .0061972
  _Imonth_11 |   .0029835   .0019218     1.55   0.125    -.0008441    .0068112
  _Imonth_12 |   .0040952   .0019034     2.15   0.035     .0003042    .0078863
 _Iyear_2009 |  -.0020713   .0015542    -1.33   0.187    -.0051666    .0010241
 _Iyear_2010 |  -.0000409   .0015542    -0.03   0.979    -.0031363    .0030545
 _Iyear_2011 |   .0010525   .0015542     0.68   0.500    -.0020428    .0041479
 _Iyear_2012 |  -.0018781   .0015642    -1.20   0.234    -.0049934    .0012373
 _Iyear_2013 |  -.0014179   .0017075    -0.83   0.409    -.0048187     .001983
 _Iyear_2014 |   -.001934   .0015542    -1.24   0.217    -.0050293    .0011614
 _Iyear_2015 |  -.0020638   .0015542    -1.33   0.188    -.0051592    .0010315
    sandyhook |   .0058163   .0021219     2.74   0.008     .0015901    .0100424
        _cons |   .0060436   .0017006     3.55   0.001     .0026564    .0094307
------------------------------------------------------------------------------
15p
i.month            _Imonth_1-12       (naturally coded; _Imonth_1 omitted)
i.year             _Iyear_2008-2015   (naturally coded; _Iyear_2008 omitted)

      Source |       SS           df       MS        Number of obs   =        96
-------------+------------------------------         F(19, 76)       =      4.78
       Model |  .000726756         19   .00003825    Prob > F        =    0.0000
    Residual |  .000608659         76  8.0087e-06    R-squared       =    0.5442
-------------+------------------------------         Adj R-squared   =    0.4303
       Total |  .001335415         95  .000014057    Root MSE        =    .00283
```

```
------------------------------------------------------------------------------
    mortrate |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   _Imonth_2 |   -.001789     .001415    -1.26   0.210    -.0046072     .0010292
   _Imonth_3 |  -.0027852     .001415    -1.97   0.053    -.0056034      .000033
   _Imonth_4 |  -.0030519     .001415    -2.16   0.034      -.00587    -.0002337
   _Imonth_5 |  -.0018583    .0014287    -1.30   0.197    -.0047037     .0009871
   _Imonth_6 |  -.0030155    .0014287    -2.11   0.038    -.0058609    -.0001701
   _Imonth_7 |   .0013215    .0014287     0.93   0.358    -.0015239     .0041669
   _Imonth_8 |   .0002068    .0014287     0.14   0.885    -.0026386     .0030522
   _Imonth_9 |  -.0020255    .0014287    -1.42   0.160    -.0048709     .0008199
  _Imonth_10 |   .0005149    .0014287     0.36   0.720    -.0023305     .0033603
  _Imonth_11 |   .0041181    .0014287     2.88   0.005     .0012727     .0069635
  _Imonth_12 |   .0027079     .001415     1.91   0.059    -.0001103     .0055261
  _Iyear_2009 |  -.0010333    .0011553    -0.89   0.374    -.0033343     .0012677
  _Iyear_2010 |   .0000723    .0011553     0.06   0.950    -.0022287     .0023734
  _Iyear_2011 |  -.0010009    .0011553    -0.87   0.389     -.003302     .0013001
  _Iyear_2012 |  -.0023455    .0011628    -2.02   0.047    -.0046614    -.0000296
  _Iyear_2013 |  -.0049936    .0012693    -3.93   0.000    -.0075217    -.0024654
  _Iyear_2014 |  -.0009383    .0011553    -0.81   0.419    -.0032393     .0013627
  _Iyear_2015 |  -.0041174    .0011553    -3.56   0.001    -.0064184    -.0018163
    sandyhook |    .003076    .0015774     1.95   0.055    -.0000656     .0062176
        _cons |   .0187015    .0012642    14.79   0.000     .0161836     .0212194
------------------------------------------------------------------------------

. collapse (sum) numdeaths pop_byage, by(year month sandyhook);

. gen mortrate=(numdeaths/pop_byage)*100000;

. summ mortrate;

    Variable |        Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
    mortrate |         96    .0148639     .003214    .0090225    .0221353

. xi: regress mortrate i.month i.year sandyhook;
i.month           _Imonth_1-12       (naturally coded; _Imonth_1 omitted)
i.year            _Iyear_2008-2015   (naturally coded; _Iyear_2008 omitted)

      Source |       SS           df       MS      Number of obs   =        96
-------------+----------------------------------   F(19, 76)       =      5.54
       Model |  .000569924        19   .000029996   Prob > F        =    0.0000
    Residual |  .000411389        76   5.4130e-06   R-squared       =    0.5808
-------------+----------------------------------   Adj R-squared   =    0.4760
       Total |  .000981314        95    .00001033   Root MSE        =    .00233

------------------------------------------------------------------------------
    mortrate |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   _Imonth_2 |  -.0009379    .0011633    -0.81   0.423    -.0032548      .001379
   _Imonth_3 |  -.0022095    .0011633    -1.90   0.061    -.0045264     .0001074
   _Imonth_4 |     -.0021    .0011633    -1.81   0.075    -.0044169     .0002169
   _Imonth_5 |  -.0006396    .0011745    -0.54   0.588    -.0029789     .0016997
   _Imonth_6 |  -.0022458    .0011745    -1.91   0.060    -.0045851     .0000935
   _Imonth_7 |   .0024461    .0011745     2.08   0.041     .0001068     .0047854
   _Imonth_8 |   .0004724    .0011745     0.40   0.689    -.0018669     .0028117
   _Imonth_9 |  -.0014108    .0011745    -1.20   0.233    -.0037501     .0009285
  _Imonth_10 |   .0008763    .0011745     0.75   0.458     -.001463     .0032156
  _Imonth_11 |   .0038984    .0011745     3.32   0.001     .0015591     .0062377
  _Imonth_12 |   .0029835    .0011633     2.56   0.012     .0006666     .0053004
  _Iyear_2009 |  -.0012287    .0009498    -1.29   0.200    -.0031204     .0006631
  _Iyear_2010 |   .0000738    .0009498     0.08   0.938     -.001818     .0019655
  _Iyear_2011 |  -.0005586    .0009498    -0.59   0.558    -.0024503     .0013332
  _Iyear_2012 |  -.0021993     .000956    -2.30   0.024    -.0041033    -.0002954
  _Iyear_2013 |  -.0042353    .0010436    -4.06   0.000    -.0063137    -.0021568
  _Iyear_2014 |  -.0010436    .0009498    -1.10   0.275    -.0029353     .0008482
  _Iyear_2015 |  -.0036256    .0009498    -3.82   0.000    -.0055174    -.0017339
    sandyhook |   .0036127    .0012968     2.79   0.007     .0010299     .0061956
        _cons |   .0161834    .0010394    15.57   0.000     .0141134     .0182535
------------------------------------------------------------------------------
```

```
. clear;

. ****************************.
. *Replicate Table 1, panel 3 *;
. ****************************;
. use deaths-age-public.dta;

. keep if year>=2008;
(24 observations deleted)

. *Create total population variable that varies by year, but not by age;
. egen pop=sum(pop_byage), by(year month);

. sort year month;

. merge year month using bckcheck-public.dta;
(note: you are using old merge syntax; see [D] merge for new syntax)
variables year month do not uniquely identify observations in the master data

. tab _merge;

    _merge |      Freq.     Percent        Cum.
------------+---------------------------------
         2 |         12        5.88        5.88
         3 |        192       94.12      100.00
------------+---------------------------------
     Total |        204      100.00

. *Calculate background checks per 100 population (which is the same as 1000s of backg
> round check
> s per 100,000);
. gen totalpc=(total/pop)*100;
(12 missing values generated)

. *Create sandyhook instruments;
. gen sandyhook=(year==2012 & month==12)|(year==2013 & month<=4);

. *Calculate mortality rate per 100,000;
. gen mortrate=(numdeaths/pop_byage)*100000;
(12 missing values generated)

. foreach x in 0_14 15p {;
  2. di "`x'";
  3. xi: ivregress 2sls mortrate i.month i.year (totalpc = sandyhook) if agecat=="`x'"
> ;
  4. };
0_14
i.month            _Imonth_1-12       (naturally coded; _Imonth_1 omitted)
i.year             _Iyear_2007-2015   (naturally coded; _Iyear_2007 omitted)
note: _Iyear_2015 omitted because of collinearity

Instrumental variables (2SLS) regression       Number of obs   =         96
                                                Wald chi2(19)   =      47.69
                                                Prob > chi2     =     0.0003
                                                R-squared       =     0.3117
                                                Root MSE        =     .00346


------------------------------------------------------------------------------
    mortrate |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
     totalpc |   .0304311   .0101027     3.01   0.003     .0106302    .0502319
   _Imonth_2 |   .0013429   .0017865     0.75   0.452    -.0021586    .0048445
   _Imonth_3 |  -.0017899   .0018548    -0.96   0.335    -.0054252    .0018455
   _Imonth_4 |   .0025213   .0017467     1.44   0.149    -.0009021    .0059447
   _Imonth_5 |   .0060207   .0018977     3.17   0.002     .0023013      .00974
   _Imonth_6 |   .0031712   .0019919     1.59   0.111    -.0007328    .0070751
   _Imonth_7 |   .0090473   .0019504     4.64   0.000     .0052246    .0128701
   _Imonth_8 |   .0023132   .0018016     1.28   0.199    -.0012178    .0058442
   _Imonth_9 |   .0020062   .0018111     1.11   0.268    -.0015436    .0055559
  _Imonth_10 |   .0014996   .0017328     0.87   0.387    -.0018966    .0048957
  _Imonth_11 |   .0003583   .0018432     0.19   0.846    -.0032543    .0039709
  _Imonth_12 |  -.0017836   .0026095    -0.68   0.494    -.0068981    .0033309
```

```
_Iyear_2008 |    .0096379    .0028849     3.34   0.001     .0039835     .0152922
_Iyear_2009 |    .0065924    .0026078     2.53   0.011     .0014811     .0117037
_Iyear_2010 |    .0084438    .0025581     3.30   0.001       .00343     .0134577
_Iyear_2011 |    .0079888    .0021487     3.72   0.000     .0037775     .0122002
_Iyear_2012 |    .0031219    .0016317     1.91   0.056    -.0000762     .0063199
_Iyear_2013 |    .0039491     .001485     2.66   0.008     .0010385     .0068597
_Iyear_2014 |    .0017094    .0015084     1.13   0.257    -.0012469     .0046658
_Iyear_2015 |          0    (omitted)
      _cons |   -.0137919    .0062342    -2.21   0.027    -.0260107    -.0015731
------------------------------------------------------------------------------
Instrumented:  totalpc
Instruments:   _Imonth_2 _Imonth_3 _Imonth_4 _Imonth_5 _Imonth_6 _Imonth_7
               _Imonth_8 _Imonth_9 _Imonth_10 _Imonth_11 _Imonth_12
               _Iyear_2008 _Iyear_2009 _Iyear_2010 _Iyear_2011 _Iyear_2012
               _Iyear_2013 _Iyear_2014 sandyhook
15p
i.month          _Imonth_1-12        (naturally coded; _Imonth_1 omitted)
i.year           _Iyear_2007-2015    (naturally coded; _Iyear_2007 omitted)
note: _Iyear_2015 omitted because of collinearity

Instrumental variables (2SLS) regression          Number of obs   =        96
                                                  Wald chi2(19)   =    113.99
                                                  Prob > chi2     =    0.0000
                                                  R-squared       =    0.5417
                                                  Root MSE        =    .00252


------------------------------------------------------------------------------
   mortrate |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------+-----------------------------------------------------------------
    totalpc |    .0160939    .0073635     2.19   0.029     .0016617     .0305261
  _Imonth_2 |   -.0024861    .0013022    -1.91   0.056    -.0050383      .000066
  _Imonth_3 |    -.003842    .0013519    -2.84   0.004    -.0064917    -.0011923
  _Imonth_4 |   -.0026936    .0012731    -2.12   0.034    -.0051888    -.0001984
  _Imonth_5 |   -.0010079    .0013831    -0.73   0.466    -.0037188      .001703
  _Imonth_6 |   -.0018332    .0014518    -1.26   0.207    -.0046787     .0010123
  _Imonth_7 |    .0023654    .0014216     1.66   0.096    -.0004209     .0051516
  _Imonth_8 |    .0006116    .0013131     0.47   0.641    -.0019621     .0031852
  _Imonth_9 |   -.0015672    .0013201    -1.19   0.235    -.0041545     .0010201
 _Imonth_10 |    .0000548     .001263     0.04   0.965    -.0024205     .0025302
 _Imonth_11 |    .0027297    .0013434     2.03   0.042     .0000966     .0053628
 _Imonth_12 |   -.0004012     .001902    -0.21   0.833     -.004129     .0033266
_Iyear_2008 |     .008123    .0021027     3.86   0.000     .0040018     .0122443
_Iyear_2009 |    .0065745    .0019008     3.46   0.001     .0028491     .0102999
_Iyear_2010 |    .0075855    .0018645     4.07   0.000     .0039311     .0112399
_Iyear_2011 |    .0056933    .0015661     3.64   0.000     .0026238     .0087628
_Iyear_2012 |    .0033247    .0011893     2.80   0.005     .0009937     .0056556
_Iyear_2013 |    .0008707    .0010824     0.80   0.421    -.0012507     .0029922
_Iyear_2014 |    .0040145    .0010994     3.65   0.000     .0018597     .0061692
_Iyear_2015 |          0    (omitted)
      _cons |    .0051853    .0045439     1.14   0.254    -.0037206     .0140913
------------------------------------------------------------------------------
Instrumented:  totalpc
Instruments:   _Imonth_2 _Imonth_3 _Imonth_4 _Imonth_5 _Imonth_6 _Imonth_7
               _Imonth_8 _Imonth_9 _Imonth_10 _Imonth_11 _Imonth_12
               _Iyear_2008 _Iyear_2009 _Iyear_2010 _Iyear_2011 _Iyear_2012
               _Iyear_2013 _Iyear_2014 sandyhook

. *Collapse to full population;
. collapse (sum) numdeaths pop_byage, by(year month totalpc sandyhook);
```

```
. *Calculate mortality rate for full population;
. gen mortrate=(numdeaths/pop_byage)*100000;
(12 missing values generated)

. xi: ivregress 2sls mortrate i.month i.year (totalpc=sandyhook);
i.month            _Imonth_1-12       (naturally coded; _Imonth_1 omitted)
i.year             _Iyear_2007-2015   (naturally coded; _Iyear_2007 omitted)
note: _Iyear_2015 omitted because of collinearity

Instrumental variables (2SLS) regression          Number of obs   =        96
                                                   Wald chi2(19)   =    130.07
                                                   Prob > chi2     =    0.0000
                                                   R-squared       =    0.5714
                                                   Root MSE        =    .00209


------------------------------------------------------------------------------
    mortrate |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      totalpc |    .018902   .0061045     3.10   0.002     .0069375    .0308666
   _Imonth_2 |  -.0017567   .0010795    -1.63   0.104    -.0038725    .0003591
   _Imonth_3 |  -.0034507   .0011208    -3.08   0.002    -.0056473    -.001254
   _Imonth_4 |  -.0016791   .0010554    -1.59   0.112    -.0037477    .0003894
   _Imonth_5 |   .0003592   .0011467     0.31   0.754    -.0018882    .0026066
   _Imonth_6 |  -.0008572   .0012036    -0.71   0.476    -.0032162    .0015018
   _Imonth_7 |   .0036721   .0011785     3.12   0.002     .0013622     .005982
   _Imonth_8 |   .0009477   .0010886     0.87   0.384    -.0011859    .0030813
   _Imonth_9 |  -.0008725   .0010944    -0.80   0.425    -.0030174    .0012724
  _Imonth_10 |   .0003359    .001047     0.32   0.748    -.0017162     .002388
  _Imonth_11 |   .0022677   .0011137     2.04   0.042     .0000848    .0044506
  _Imonth_12 |  -.0006681   .0015768    -0.42   0.672    -.0037585    .0024223
 _Iyear_2008 |   .0083302   .0017432     4.78   0.000     .0049136    .0117468
 _Iyear_2009 |   .0064964   .0015758     4.12   0.000     .0034079    .0095848
 _Iyear_2010 |   .0076877   .0015457     4.97   0.000     .0046581    .0107173
 _Iyear_2011 |   .0060936   .0012983     4.69   0.000     .0035489    .0086382
 _Iyear_2012 |     .00325   .0009859     3.30   0.001     .0013176    .0051824
 _Iyear_2013 |   .0014421   .0008973     1.61   0.108    -.0003166    .0032008
 _Iyear_2014 |   .0035632   .0009114     3.91   0.000     .0017769    .0053496
 _Iyear_2015 |          0  (omitted)
        _cons |   .0015191    .003767     0.40   0.687    -.0058641    .0089022
------------------------------------------------------------------------------
Instrumented:  totalpc
Instruments:   _Imonth_2 _Imonth_3 _Imonth_4 _Imonth_5 _Imonth_6 _Imonth_7
               _Imonth_8 _Imonth_9 _Imonth_10 _Imonth_11 _Imonth_12
               _Iyear_2008 _Iyear_2009 _Iyear_2010 _Iyear_2011 _Iyear_2012
               _Iyear_2013 _Iyear_2014 sandyhook

. clear;

  *************************************************************.
.                                                             */
. *Replicate Table 1, Panel 4                                 *;
. *The data for these regressions are not publicly available *;
. *************************************************************;
.                                                             */
. /*use deaths-age-state-NOTPUBLIC.dta;
>
> keep if year>=2008;
>
> sort stfips year agecat;
> merge stfips year agecat using population-state-age-public.dta;
> tab _merge;
> keep if _merge==3;
> capture drop _merge;
>
> sort stfips year month;
> merge stfips year month using bckcheck-state-public.dta;
> tab _merge;
> keep if _merge==3;
>
> *Exclude states with clearly flawed gun sales data (DC, KY NC, and UT);
> drop if stfips==11|stfips==21|stfips==37|stfips==49;
>
> *Create sandyhook instruments;
> gen sandyhook=(year==2012 & month==12)|(year==2013 & month<=4);
```

```
> gen shook_obama=sandyhook*pctobama;
>
> gen stmonth=(stfips*100)+month;
>
> *Create total population variable that varies by year, but not by age;
> egen pop=sum(pop_byage), by(stfips year month);
>
> *Calculate background checks per 100 population (which is the same as 1000s of backg
> round check
> s per 100,000);
> gen totalpc=(total/pop)*100;
>
> *Calculate mortality rate per 100,000;
> gen mortrate=(numdeaths/pop_byage)*100000;
>
> foreach x in 0_14 15p {;
> xi: ivreg2 mortrate i.month i.stname*i.year i.stname*i.month (totalpc = sandyhook sh
> ook_obama)
> if agecat=="`x'" [weight=pop_byage], cluster(stname);
> };
>
> *Collapse to full-population;
> collapse (sum) numdeaths, by(stfips stname year month total pop totalpc sandyhook sh
> ook_obama);
>
> *Calculate mortality rate for full population;
> gen mortrate=(numdeaths/pop)*100000;
>
> xi: ivreg2 mortrate i.month i.stname*i.year i.stname*i.month (totalpc = sandyhook sh
> ook_obama)
> [weight=pop], cluster(stname);
> clear;*/

end of do-file

. exit, clear
```

Google Trends Analysis

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Figure 1

Load the data and store in a data frame.

```r
load("../data/raw/Google Trends data for Figure 1.RData")
google_trends <- data.frame(x[3:nrow(x),]) # extrude misellaneous header data
colnames(google_trends) <- c("week", "clean", "buy")
```

Cast vaulues to be numeric from string format

```r
google_trends$week <- as.numeric(google_trends$week)
google_trends$clean <- as.numeric(google_trends$clean)
google_trends$buy <- as.numeric(google_trends$buy)
```

Replicate Figure 1 from the paper:

```r
ggplot(data = google_trends) +
  geom_line(aes(x = week, y = clean), color = "black") +
  geom_line(aes(x = week, y = buy), color = "red") +
  xlab("Week") +
  ylab("Index Value (100 = maximum)")
```
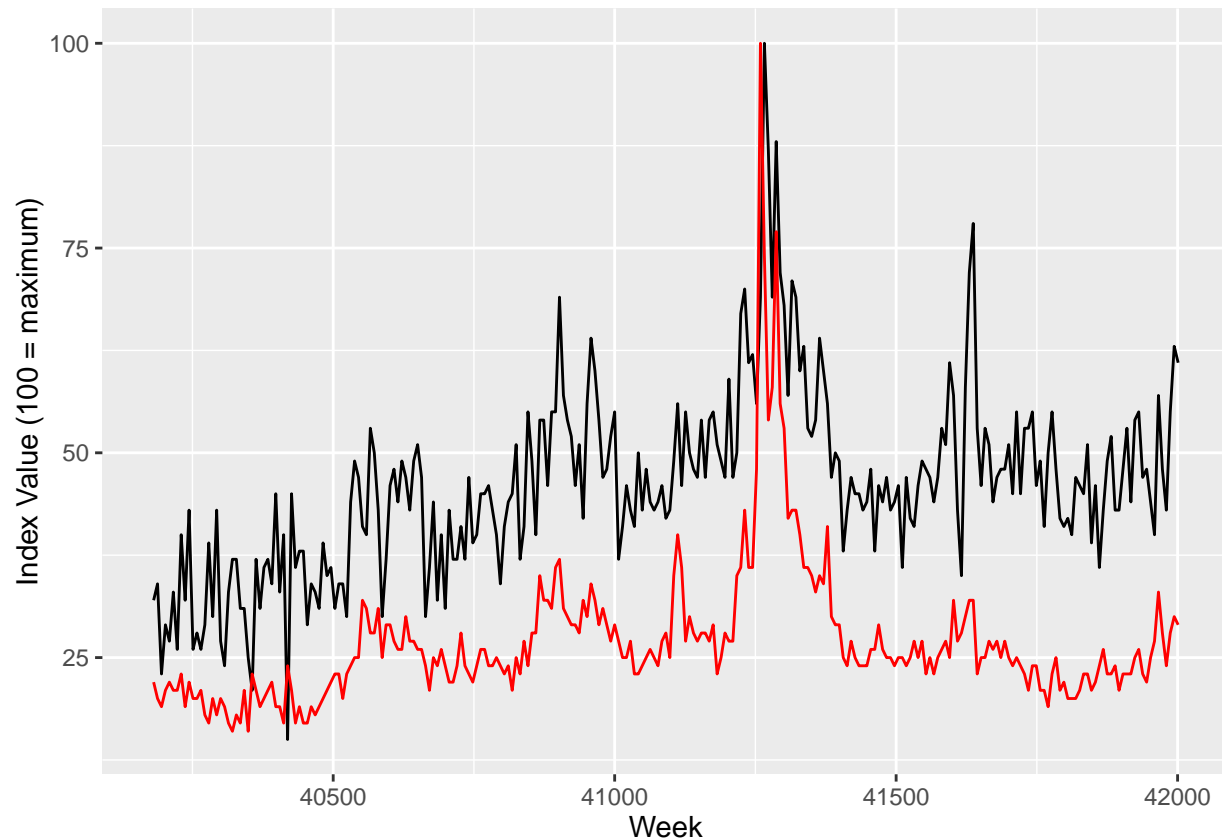
```
ggsave("../writing/figures/fig1_generated.PNG")
```

```
## Saving 6.5 x 4.5 in image
```

Figure 2

Figure as-is

```
nat_gun_sales <- read.csv("../output/figure data/fig2_sales.csv")
nat_gun_sales$year_month <- nat_gun_sales$year + (nat_gun_sales$month - 1)/12.0
nat_gun_sales <- filter(nat_gun_sales, year <= 2015)
```

```
ggplot() +
  geom_line(data = nat_gun_sales, aes(x = year_month, y = resid)) +
  ylim(c(-1200000, 1200000)) +
  ylab("Deviation") +
  ggtitle("Deviations from Expected Monthly Firearm Sales: Pre-revision")
```
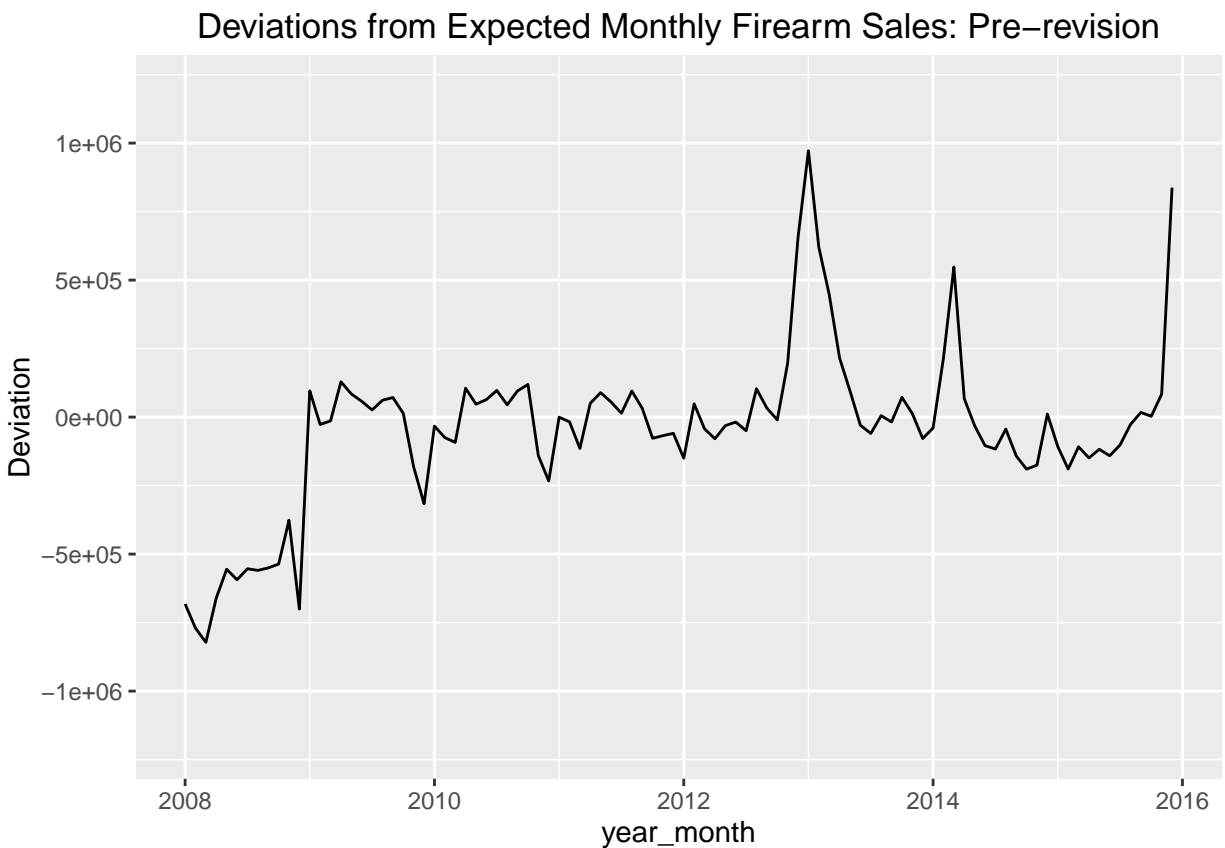


```
ggsave("../writing/figures/fig2_pre_revision.PNG")
```

```
## Saving 6.5 x 4.5 in image
```

Remove 2016 data

```
nat_gun_sales <- read.csv("../output/figure data/fig2_sales_revised.csv")
nat_gun_sales$year_month <- nat_gun_sales$year + (nat_gun_sales$month - 1)/12.0
nat_gun_sales <- filter(nat_gun_sales, year <= 2015)
```

```
ggplot() +
  geom_line(data = nat_gun_sales, aes(x = year_month, y = resid)) +
  ylim(c(-1200000, 1200000)) +
  ylab("Deviation") +
  ggtitle("Deviations from Expected Monthly Firearm Sales")
```


Deviations from Expected Monthly Firearm Sales
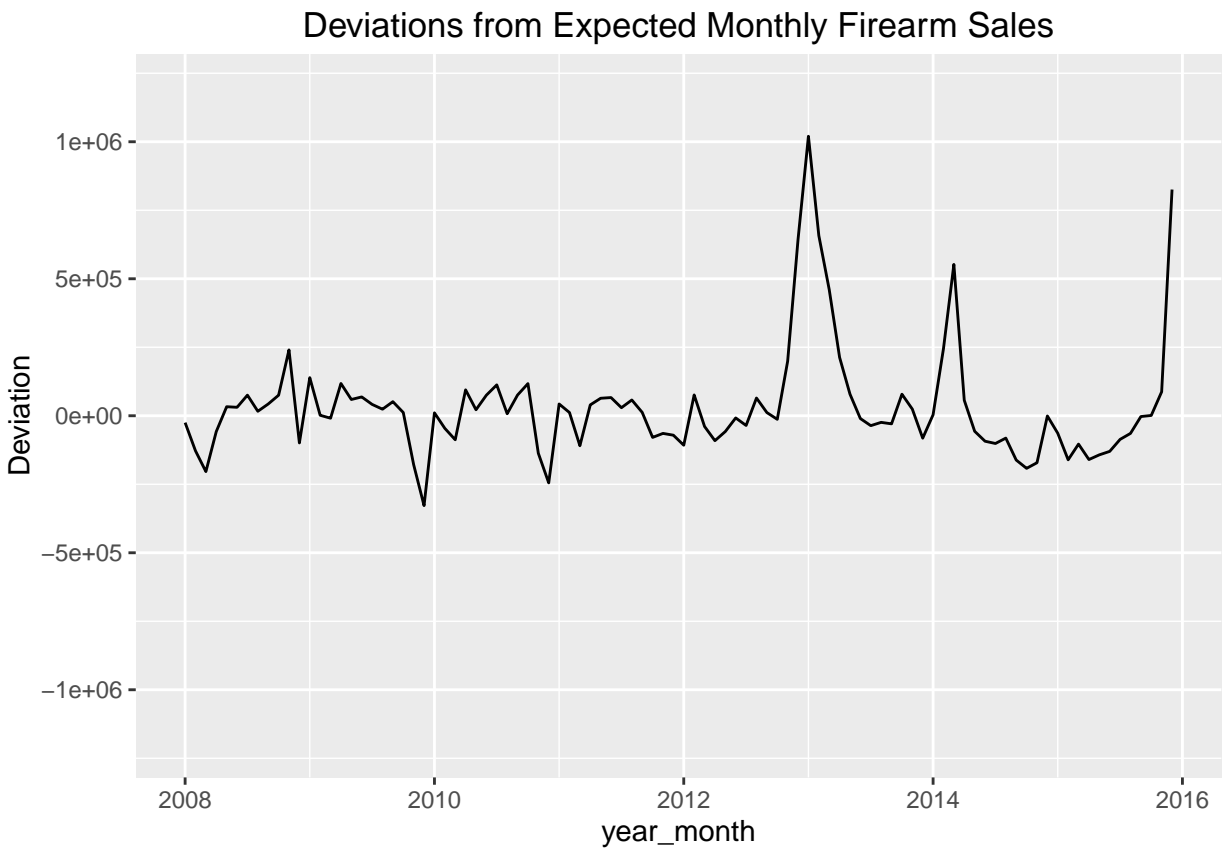
```
ggsave("../writing/figures/fig2_sales.PNG")
```

Saving 6.5 x 4.5 in image

Load the death data

```
nat_death <- read.csv("../output/figure data/fig2_deaths.csv")
```

```
ggplot(data = nat_death) +
  geom_bar(aes(x = year, weight = resid), width = 0.417) +
  ylim(c(-0.024, 0.024)) +
  ylab("Deviation") +
  ggtitle("Deviations from Expected Accidental Firearm Death Rates for Children")
```

Warning: Stacking not well defined when ymin != 0

Deviations from Expected Accidental Firearm Death Rates for Children
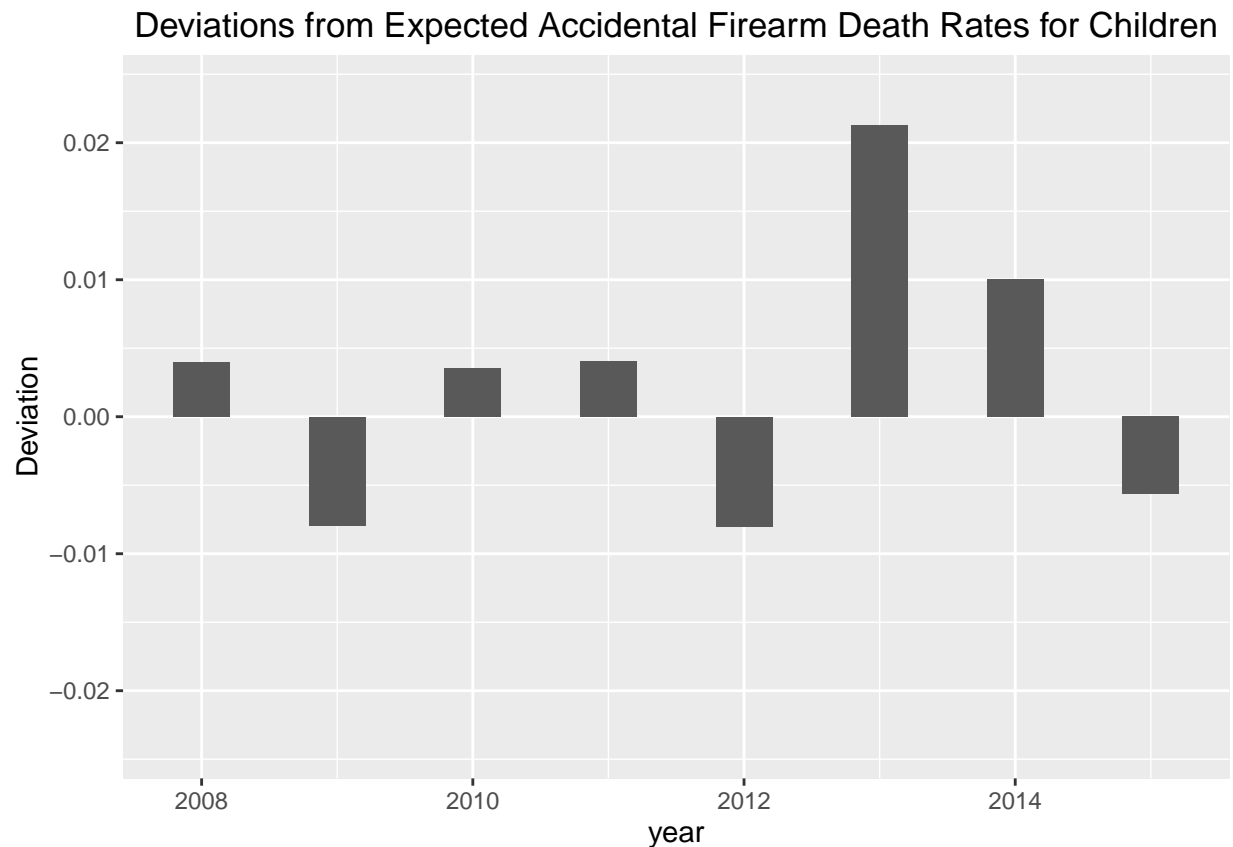
```
ggsave("../writing/figures/fig2_deaths.PNG")
```

```
## Saving 6.5 x 4.5 in image
```

```
## Warning: Stacking not well defined when ymin != 0
```
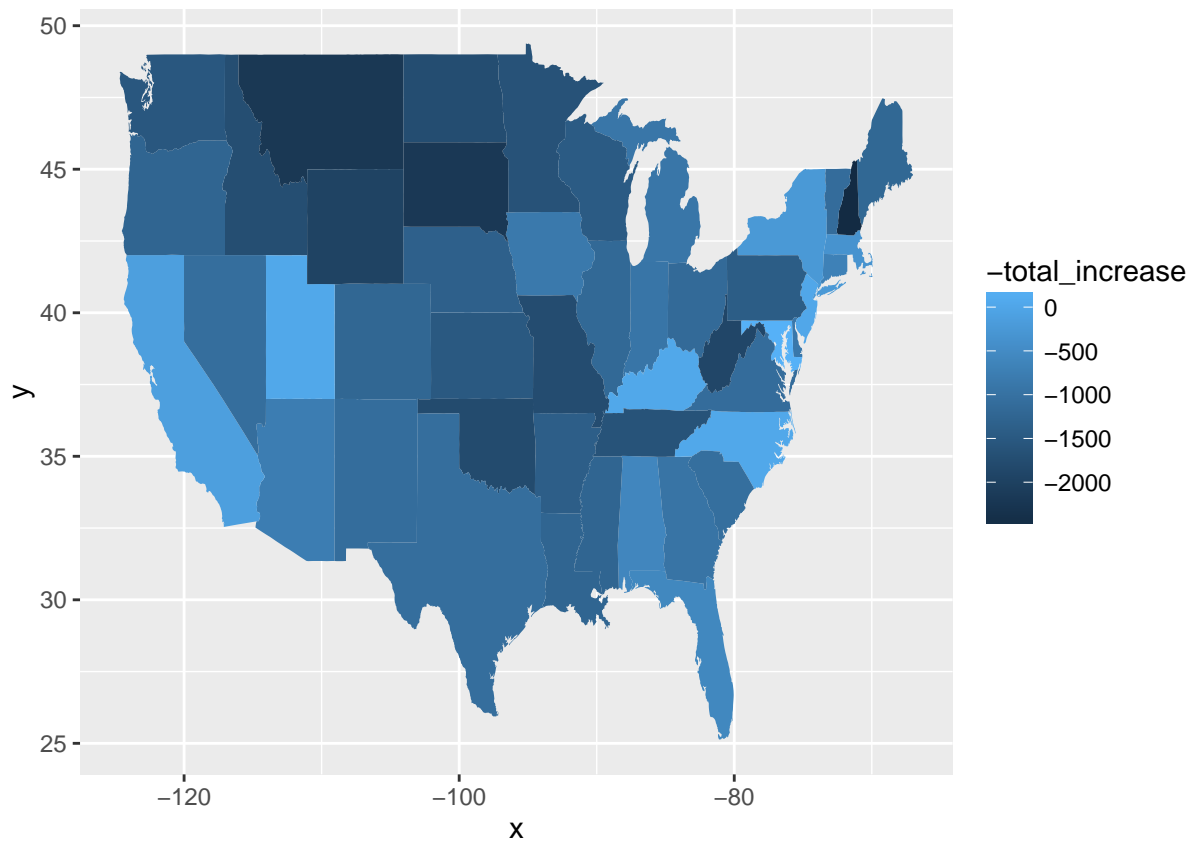
```
# set bar width to 5 months
```

Figure 3

Setup the dataframe for state level firearm sale increases:

```
states_gun_increase <- read.csv("../output/figure data/fig3.csv")
states_map <- map_data("state")
ggplot(states_gun_increase, aes(map_id = state)) +
    geom_map(aes(fill = -total_increase), map = states_map)+
    expand_limits(x = states_map$long, y = states_map$lat)
```

```
ggsave("../writing/figures/fig3_generated.png")
```

```
## Saving 6.5 x 4.5 in image
```