

```

-----
> -----
      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
-----+-----
      Model | 1.4840e+13      23  6.4521e+11  F(23, 84)          =      4.80
      Residual | 1.1294e+13      84  1.3446e+11  Prob > F           =      0.0000
-----+-----
      Total | 2.6134e+13     107  2.4425e+11  R-squared          =      0.5678
      Total | 2.6134e+13     107  2.4425e+11  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
yrdrv2009	-505881	129642.2	-3.90	0.000	-763688.8	-248073.1
yrdrv2010	-477914	129642.2	-3.69	0.000	-735721.9	-220106.2
yrdrv2011	-310154.6	129642.2	-2.39	0.019	-567962.5	-52346.8
yrdrv2012	-104570.5	133992	-0.78	0.437	-371028.4	161887.4
yrdrv2013	-112778.4	152033.7	-0.74	0.460	-415114.2	189557.4
yrdrv2014	66281.12	129642.2	0.51	0.611	-191526.7	324089
yrdrv2015	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
Model	.000036271	2	.000018135	F(2, 32)	=	1.11
Residual	.000520816	32	.000016275	Prob > F	=	0.3406
				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
Model	3939285.59	19	207330.82	F(19, 76)	=	19.67
Residual	800995.222	76	10539.4108	Prob > F	=	0.0000
				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
Model	11504276.7	19	605488.248	F(19, 76)	=	42.63
Residual	1079330.23	76	14201.7136	Prob > F	=	0.0000
				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

yrdrv2011	54.51656	48.65133	1.12	0.266	-42.38097	151.4141
yrdrv2012	207.3102	48.96522	4.23	0.000	109.7875	304.8329
yrdrv2013	403.0683	53.45273	7.54	0.000	296.6079	509.5286
yrdrv2014	539.4657	48.65133	11.09	0.000	442.5682	636.3633
yrdrv2015	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
Model	2915383.23	19	153441.222	F(19, 76)	=	30.12
Residual	387225.806	76	5095.07639	Prob > F	=	0.0000
				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
yrdrv2009	47.62602	29.14068	1.63	0.106	-10.41268	105.6647
yrdrv2010	-10.1031	29.14068	-0.35	0.730	-68.1418	47.9356
yrdrv2011	28.81193	29.14068	0.99	0.326	-29.22677	86.85063
yrdrv2012	116.2963	29.32869	3.97	0.000	57.88316	174.7095
yrdrv2013	139.0361	32.01658	4.34	0.000	75.26953	202.8026
yrdrv2014	102.0328	29.14068	3.50	0.001	43.99408	160.0715
yrdrv2015	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
Model	835775.95	19	43988.2079	F(19, 76)	=	28.90
Residual	115688.967	76	1522.22325	Prob > F	=	0.0000
				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	-34.08636	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
yrdrv2009	6.005394	15.92808	0.38	0.707	-25.71814	37.72892
yrdrv2010	-8.998647	15.92808	-0.56	0.574	-40.72218	22.72488
yrdrv2011	47.01556	15.92808	2.95	0.004	15.29203	78.73909
yrdrv2012	142.0057	16.03085	8.86	0.000	110.0775	173.9339
yrdrv2013	127.4158	17.50003	7.28	0.000	92.56145	162.2701
yrdrv2014	107.8058	15.92808	6.77	0.000	76.08227	139.5293
yrdrv2015	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

CA

Source	SS	df	MS	Number of obs	=	96
Model	584136.985	19	30744.0519	F(19, 76)	=	20.13
Residual	116085.085	76	1527.43533	Prob > F	=	0.0000
				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
yrdrv2009	.0354258	15.95533	0.00	0.998	-31.74237	31.81322
yrdrv2010	4.563086	15.95533	0.29	0.776	-27.21471	36.34088
yrdrv2011	22.53378	15.95533	1.41	0.162	-9.244012	54.31158
yrdrv2012	67.74355	16.05827	4.22	0.000	35.76073	99.72636
yrdrv2013	108.7516	17.52996	6.20	0.000	73.83763	143.6655
yrdrv2014	139.1108	15.95533	8.72	0.000	107.333	170.8886
yrdrv2015	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
Model	2059757.53	19	108408.291	F(19, 76)	=	19.58
Residual	420803.038	76	5536.88208	Prob > F	=	0.0000
				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
yrdrv2009	39.05838	30.37785	1.29	0.202	-21.44435	99.56111
yrdrv2010	9.974523	30.37785	0.33	0.744	-50.52821	70.47725
yrdrv2011	60.81257	30.37785	2.00	0.049	.3098373	121.3153
yrdrv2012	158.9128	30.57384	5.20	0.000	98.01973	219.8059
yrdrv2013	245.6397	33.37584	7.36	0.000	179.1659	312.1134
yrdrv2014	156.4731	30.37785	5.15	0.000	95.97033	216.9758
yrdrv2015	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

CT

Source	SS	df	MS	Number of obs	=	96
Model	1933615.25	19	101769.223	F(19, 76)	=	15.38
Residual	502953.377	76	6617.8076	Prob > F	=	0.0000
				R-squared	=	0.7936
				Adj R-squared	=	0.7420
Total	2436568.62	95	25648.0908	Root MSE	=	81.35

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
yrdrv2009	107.2852	33.21096	3.23	0.002	41.13989	173.4306
yrdrv2010	51.70123	33.21096	1.56	0.124	-14.44413	117.8466
yrdrv2011	65.55822	33.21096	1.97	0.052	-.5871415	131.7036
yrdrv2012	172.6037	33.42523	5.16	0.000	106.0316	239.1758
yrdrv2013	268.4503	36.48855	7.36	0.000	195.777	341.1235
yrdrv2014	260.2157	33.21096	7.84	0.000	194.0703	326.3611
yrdrv2015	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
Model	1472544.64	19	77502.3497	F(19, 76)	=	43.14
Residual	136537.649	76	1796.54801	Prob > F	=	0.0000
				R-squared	=	0.9151
				Adj R-squared	=	0.8939
Total	1609082.29	95	16937.7084	Root MSE	=	42.386

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
yrdrv2009	21.18641	17.30389	1.22	0.225	-13.27728	55.6501
yrdrv2010	7.520404	17.30389	0.43	0.665	-26.94328	41.98409
yrdrv2011	35.756	17.30389	2.07	0.042	1.292308	70.21968
yrdrv2012	93.58235	17.41553	5.37	0.000	58.89632	128.2684
yrdrv2013	130.4083	19.01161	6.86	0.000	92.54343	168.2733
yrdrv2014	211.7336	17.30389	12.24	0.000	177.2699	246.1972
yrdrv2015	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

Source	SS	df	MS	Number of obs	=	96
Model	1246593.31	19	65610.1742	F(19, 76)	=	34.40
Residual	144970.31	76	1907.50408	Prob > F	=	0.0000
				R-squared	=	0.8958
				Adj R-squared	=	0.8698
Total	1391563.62	95	14648.0381	Root MSE	=	43.675

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
yrdrv2009	22.09723	17.83024	1.24	0.219	-13.41477	57.60922
yrdrv2010	20.73637	17.83024	1.16	0.248	-14.77562	56.24837
yrdrv2011	54.01474	17.83024	3.03	0.003	18.50275	89.52673
yrdrv2012	122.9662	17.94527	6.85	0.000	87.22508	158.7073
yrdrv2013	191.1091	19.5899	9.76	0.000	152.0925	230.1258
yrdrv2014	206.5609	17.83024	11.58	0.000	171.0489	242.0728
yrdrv2015	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

GA

Source	SS	df	MS	Number of obs	=	96
Model	1306081.45	19	68741.1288	F(19, 76)	=	24.69
Residual	211621.818	76	2784.4976	Prob > F	=	0.0000
				R-squared	=	0.8606
				Adj R-squared	=	0.8257
Total	1517703.27	95	15975.8238	Root MSE	=	52.768

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
yrdrv2009	1.194748	21.54258	0.06	0.956	-41.71103	44.10052
yrdrv2010	-36.19557	21.54258	-1.68	0.097	-79.10134	6.710208
yrdrv2011	-9.650174	21.54258	-0.45	0.655	-52.55595	33.2556
yrdrv2012	53.08185	21.68157	2.45	0.017	9.89926	96.26444
yrdrv2013	54.12999	23.66862	2.29	0.025	6.989848	101.2701
yrdrv2014	77.83835	21.54258	3.61	0.001	34.93257	120.7441
yrdrv2015	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

HI

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

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
yrdrv2009	11.4396	3.58801	3.19	0.002	4.293458	18.58574
yrdrv2010	10.75083	3.58801	3.00	0.004	3.604687	17.89697
yrdrv2011	22.79517	3.58801	6.35	0.000	15.64903	29.94131
yrdrv2012	47.50771	3.611158	13.16	0.000	40.31547	54.69996
yrdrv2013	36.71131	3.94211	9.31	0.000	28.85992	44.5627
yrdrv2014	35.73114	3.58801	9.96	0.000	28.58499	42.87728
yrdrv2015	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
Model	1512096.78	19	79584.041	F(19, 76)	=	13.14
Residual	460355.692	76	6057.31174	Prob > F	=	0.0000
				R-squared	=	0.7666
				Adj R-squared	=	0.7083
Total	1972452.47	95	20762.6576	Root MSE	=	77.829

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
yrdrv2009	31.11344	31.77345	0.98	0.331	-32.16887	94.39574
yrdrv2010	41.48921	31.77345	1.31	0.196	-21.7931	104.7715
yrdrv2011	189.9346	31.77345	5.98	0.000	126.6523	253.2169
yrdrv2012	86.4409	31.97844	2.70	0.008	22.75032	150.1315
yrdrv2013	74.62957	34.90917	2.14	0.036	5.101931	144.1572
yrdrv2014	41.1684	31.77345	1.30	0.199	-22.11391	104.4507
yrdrv2015	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
Model	2390331.87	19	125806.94	F(19, 76)	=	31.79
Residual	300726.14	76	3956.92289	Prob > F	=	0.0000
				R-squared	=	0.8882
				Adj R-squared	=	0.8603
Total	2691058.01	95	28326.9264	Root MSE	=	62.904

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
yrdrv2009	-13.57005	25.68048	-0.53	0.599	-64.71716	37.57707
yrdrv2010	-57.4302	25.68048	-2.24	0.028	-108.5773	-6.283086
yrdrv2011	15.24236	25.68048	0.59	0.555	-35.90475	66.38947
yrdrv2012	138.273	25.84616	5.35	0.000	86.79586	189.7501
yrdrv2013	101.7046	28.21489	3.60	0.001	45.5098	157.8994
yrdrv2014	125.9367	25.68048	4.90	0.000	74.78959	177.0838
yrdrv2015	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
Model	3775107.97	19	198689.893	F(19, 76)	=	20.68
Residual	730170.244	76	9607.50321	Prob > F	=	0.0000
				R-squared	=	0.8379
				Adj R-squared	=	0.7974
Total	4505278.21	95	47423.9812	Root MSE	=	98.018

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
yrdrv2009	87.08347	40.01563	2.18	0.033	7.385439	166.7815
yrdrv2010	48.54583	40.01563	1.21	0.229	-31.1522	128.2439
yrdrv2011	134.4229	40.01563	3.36	0.001	54.72482	214.1209
yrdrv2012	248.284	40.2738	6.16	0.000	168.0718	328.4962
yrdrv2013	346.7584	43.96477	7.89	0.000	259.195	434.3219
yrdrv2014	466.8102	40.01563	11.67	0.000	387.1122	546.5082
yrdrv2015	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

IN

Source	SS	df	MS	Number of obs	=	96
Model	13378328.4	19	704122.549	F(19, 76)	=	11.06
Residual	4836276.79	76	63635.2209	Prob > F	=	0.0000
				R-squared	=	0.7345
				Adj R-squared	=	0.6681
Total	18214605.2	95	191732.686	Root MSE	=	252.26

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
yrdrv2009	68.01733	102.9848	0.66	0.511	-137.0947	273.1294
yrdrv2010	158.5609	102.9848	1.54	0.128	-46.55115	363.6729
yrdrv2011	174.9182	102.9848	1.70	0.094	-30.19378	380.0303
yrdrv2012	305.3611	103.6492	2.95	0.004	98.92574	511.7964
yrdrv2013	409.7102	113.1484	3.62	0.001	184.3557	635.0647
yrdrv2014	532.6537	102.9848	5.17	0.000	327.5417	737.7657
yrdrv2015	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

KS

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

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
yrdrv2009	46.46383	23.55945	1.97	0.052	-.4588925	93.38655
yrdrv2010	46.03698	23.55945	1.95	0.054	-.8857394	92.9597
yrdrv2011	104.641	23.55945	4.44	0.000	57.71826	151.5637
yrdrv2012	210.154	23.71145	8.86	0.000	162.9285	257.3794
yrdrv2013	183.3266	25.88454	7.08	0.000	131.7731	234.8801
yrdrv2014	120.1347	23.55945	5.10	0.000	73.21195	167.0574
yrdrv2015	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

LA

Source	SS	df	MS	Number of obs	=	96
Model	3548554	19	186766	F(19, 76)	=	44.48
Residual	319142.062	76	4199.23765	Prob > F	=	0.0000
				R-squared	=	0.9175
				Adj R-squared	=	0.8969
Total	3867696.07	95	40712.5902	Root MSE	=	64.802

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
yrdrv2009	-8.181844	26.45511	-0.31	0.758	-60.87177	44.50808
yrdrv2010	-28.00637	26.45511	-1.06	0.293	-80.69629	24.68355
yrdrv2011	15.24404	26.45511	0.58	0.566	-37.44589	67.93396
yrdrv2012	103.1666	26.62579	3.87	0.000	50.13674	156.1965
yrdrv2013	85.65962	29.06597	2.95	0.004	27.76973	143.5495
yrdrv2014	98.68307	26.45511	3.73	0.000	45.99315	151.373
yrdrv2015	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

MA

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

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
yrdrv2009	-27.99635	10.99836	-2.55	0.013	-49.90148	-6.091224
yrdrv2010	-7.27972	10.99836	-0.66	0.510	-29.18485	14.62541
yrdrv2011	39.04838	10.99836	3.55	0.001	17.14326	60.95351
yrdrv2012	102.8634	11.06932	9.29	0.000	80.81698	124.9099
yrdrv2013	133.2194	12.08379	11.02	0.000	109.1524	157.2863
yrdrv2014	66.84185	10.99836	6.08	0.000	44.93672	88.74698
yrdrv2015	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

Source	SS	df	MS	Number of obs	=	96
Model	485740.471	19	25565.288	F(19, 76)	=	5.40
Residual	359538.446	76	4730.76903	Prob > F	=	0.0000
				R-squared	=	0.5747
				Adj R-squared	=	0.4683
Total	845278.917	95	8897.67282	Root MSE	=	68.781

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
yrdrv2009	7.114455	28.07956	0.25	0.801	-48.81083	63.03974
yrdrv2010	-4.392483	28.07956	-0.16	0.876	-60.31777	51.5328
yrdrv2011	15.58284	28.07956	0.55	0.581	-40.34245	71.50812
yrdrv2012	64.8554	28.26072	2.29	0.025	8.569303	121.1415
yrdrv2013	204.9272	30.85073	6.64	0.000	143.4826	266.3717
yrdrv2014	67.00897	28.07956	2.39	0.020	11.08368	122.9343
yrdrv2015	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
Model	2104515.21	19	110763.958	F(19, 76)	=	36.84
Residual	228503.573	76	3006.62596	Prob > F	=	0.0000
				R-squared	=	0.9021
				Adj R-squared	=	0.8776
Total	2333018.78	95	24558.0924	Root MSE	=	54.833

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
yrdrv2009	27.78467	22.38536	1.24	0.218	-16.79964	72.36898
yrdrv2010	59.91978	22.38536	2.68	0.009	15.33548	104.5041
yrdrv2011	104.5338	22.38536	4.67	0.000	59.94951	149.1181
yrdrv2012	201.5731	22.52978	8.95	0.000	156.7012	246.4451
yrdrv2013	172.3557	24.59457	7.01	0.000	123.3714	221.3401
yrdrv2014	166.2259	22.38536	7.43	0.000	121.6416	210.8102
yrdrv2015	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

MI

Source	SS	df	MS	Number of obs	=	96
Model	678205.514	19	35695.0271	F(19, 76)	=	18.67
Residual	145317.926	76	1912.07798	Prob > F	=	0.0000
				R-squared	=	0.8235
				Adj R-squared	=	0.7794
Total	823523.441	95	8668.6678	Root MSE	=	43.727

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
yrdrv2009	5.440456	17.8516	0.30	0.761	-30.11409	40.995
yrdrv2010	-5.599964	17.8516	-0.31	0.755	-41.15451	29.95458
yrdrv2011	1.540239	17.8516	0.09	0.931	-34.01431	37.09478
yrdrv2012	48.00977	17.96677	2.67	0.009	12.22584	83.79371
yrdrv2013	63.2513	19.61338	3.22	0.002	24.18788	102.3147
yrdrv2014	57.02281	17.8516	3.19	0.002	21.46826	92.57735
yrdrv2015	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
Model	3275795.25	19	172410.276	F(19, 76)	=	42.54
Residual	308002.955	76	4052.67046	Prob > F	=	0.0000
				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
yrdrv2009	9.702929	25.98933	0.37	0.710	-42.0593	61.46516
yrdrv2010	26.42404	25.98933	1.02	0.313	-25.33819	78.18627
yrdrv2011	85.72846	25.98933	3.30	0.001	33.96623	137.4907
yrdrv2012	215.6212	26.157	8.24	0.000	163.525	267.7174
yrdrv2013	259.3533	28.55421	9.08	0.000	202.4826	316.2239
yrdrv2014	294.4897	25.98933	11.33	0.000	242.7275	346.2519
yrdrv2015	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

Source	SS	df	MS	Number of obs	=	96
Model	3935948.54	19	207155.186	F(19, 76)	=	36.41
Residual	432391.494	76	5689.36176	Prob > F	=	0.0000
				R-squared	=	0.9010
				Adj R-squared	=	0.8763
Total	4368340.03	95	45982.5266	Root MSE	=	75.428

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
yrdrv2009	44.97739	30.79329	1.46	0.148	-16.35277	106.3075
yrdrv2010	33.73084	30.79329	1.10	0.277	-27.59932	95.061
yrdrv2011	95.29355	30.79329	3.09	0.003	33.96339	156.6237
yrdrv2012	228.3717	30.99196	7.37	0.000	166.6458	290.0975
yrdrv2013	212.4073	33.83228	6.28	0.000	145.0244	279.7901
yrdrv2014	258.3395	30.79329	8.39	0.000	197.0093	319.6697
yrdrv2015	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
Model	4857937.5	19	255680.921	F(19, 76)	=	56.00
Residual	346985.089	76	4565.59328	Prob > F	=	0.0000
				R-squared	=	0.9333
				Adj R-squared	=	0.9167
Total	5204922.59	95	54788.6589	Root MSE	=	67.569

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
yrdrv2009	-41.35921	27.585	-1.50	0.138	-96.2995	13.58108
yrdrv2010	-35.28712	27.585	-1.28	0.205	-90.22741	19.65317
yrdrv2011	5.978302	27.585	0.22	0.829	-48.96199	60.91859
yrdrv2012	87.66362	27.76297	3.16	0.002	32.36888	142.9584
yrdrv2013	50.02493	30.30736	1.65	0.103	-10.33742	110.3873
yrdrv2014	86.18215	27.585	3.12	0.003	31.24186	141.1224
yrdrv2015	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

MT

Source	SS	df	MS	Number of obs	=	96
Model	3660574.22	19	192661.801	F(19, 76)	=	29.30
Residual	499693.776	76	6574.9181	Prob > F	=	0.0000
				R-squared	=	0.8799
				Adj R-squared	=	0.8499
Total	4160268	95	43792.2947	Root MSE	=	81.086

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
yrdrv2009	30.66307	33.10317	0.93	0.357	-35.2676	96.59374
yrdrv2010	17.44505	33.10317	0.53	0.600	-48.48562	83.37572
yrdrv2011	77.19757	33.10317	2.33	0.022	11.2669	143.1282
yrdrv2012	245.1946	33.31674	7.36	0.000	178.8386	311.5507
yrdrv2013	153.1276	36.37012	4.21	0.000	80.69027	225.565
yrdrv2014	159.2581	33.10317	4.81	0.000	93.32743	225.1888
yrdrv2015	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
Model	4704732.08	19	247617.478	F(19, 76)	=	38.73
Residual	485860.387	76	6392.89982	Prob > F	=	0.0000
				R-squared	=	0.9064
				Adj R-squared	=	0.8830
Total	5190592.47	95	54637.8155	Root MSE	=	79.956

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	-5.992306
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
yrdrv2009	7.557312	32.64174	0.23	0.818	-57.45435	72.56897
yrdrv2010	-11.82256	32.64174	-0.36	0.718	-76.83422	53.1891
yrdrv2011	148.6294	32.64174	4.55	0.000	83.61772	213.641
yrdrv2012	384.6417	32.85234	11.71	0.000	319.2106	450.0728
yrdrv2013	279.0306	35.86316	7.78	0.000	207.603	350.4583
yrdrv2014	200.9173	32.64174	6.16	0.000	135.9057	265.929
yrdrv2015	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

NE

Source	SS	df	MS	Number of obs	=	96
Model	1356407.39	19	71389.8625	F(19, 76)	=	29.10
Residual	186472.556	76	2453.58626	Prob > F	=	0.0000
				R-squared	=	0.8791
				Adj R-squared	=	0.8489
Total	1542879.94	95	16240.8415	Root MSE	=	49.534

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
yrdrv2009	10.23053	20.22204	0.51	0.614	-30.04516	50.50622
yrdrv2010	2.88731	20.22204	0.14	0.887	-37.38838	43.163
yrdrv2011	35.37883	20.22204	1.75	0.084	-4.896861	75.65452
yrdrv2012	100.5901	20.35251	4.94	0.000	60.05461	141.1257
yrdrv2013	55.99834	22.21776	2.52	0.014	11.74784	100.2488
yrdrv2014	40.94081	20.22204	2.02	0.046	.6651223	81.2165
yrdrv2015	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

NH

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

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
yrdrv2009	55.71362	38.5601	1.44	0.153	-21.08548	132.5127
yrdrv2010	79.78222	38.5601	2.07	0.042	2.983118	156.5813
yrdrv2011	148.9642	38.5601	3.86	0.000	72.1651	225.7633
yrdrv2012	340.8718	38.80888	8.78	0.000	263.5773	418.1664
yrdrv2013	339.2733	42.3656	8.01	0.000	254.8949	423.6517
yrdrv2014	356.2118	38.5601	9.24	0.000	279.4127	433.0109
yrdrv2015	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

NJ

Source	SS	df	MS	Number of obs	=	96
Model	55869.1134	19	2940.47965	F(19, 76)	=	36.41
Residual	6138.15159	76	80.7651525	Prob > F	=	0.0000
				R-squared	=	0.9010
				Adj R-squared	=	0.8763
Total	62007.2649	95	652.708052	Root MSE	=	8.9869

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
yrdrv2009	14.0871	3.668904	3.84	0.000	6.779845	21.39436
yrdrv2010	9.054081	3.668904	2.47	0.016	1.746825	16.36134
yrdrv2011	18.01594	3.668904	4.91	0.000	10.70868	25.32319
yrdrv2012	41.68147	3.692575	11.29	0.000	34.32707	49.03587
yrdrv2013	72.91265	4.030989	18.09	0.000	64.88424	80.94106
yrdrv2014	47.29868	3.668904	12.89	0.000	39.99142	54.60594
yrdrv2015	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
Model	1387683.93	19	73035.9964	F(19, 76)	=	38.36
Residual	144712.481	76	1904.11159	Prob > F	=	0.0000
				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
yrdrv2009	-2.687124	17.81437	-0.15	0.881	-38.16752	32.79328
yrdrv2010	.3369573	17.81437	0.02	0.985	-35.14344	35.81736
yrdrv2011	23.749	17.81437	1.33	0.186	-11.7314	59.2294
yrdrv2012	115.1364	17.92931	6.42	0.000	79.42711	150.8457
yrdrv2013	111.3161	19.57248	5.69	0.000	72.33416	150.2981
yrdrv2014	118.6536	17.81437	6.66	0.000	83.17321	154.134
yrdrv2015	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
Model	753291.928	19	39646.9436	F(19, 76)	=	19.06
Residual	158111.752	76	2080.4178	Prob > F	=	0.0000
				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
yrdrv2009	34.07315	18.62086	1.83	0.071	-3.013499	71.1598
yrdrv2010	23.88645	18.62086	1.28	0.203	-13.2002	60.9731
yrdrv2011	64.81994	18.62086	3.48	0.001	27.73329	101.9066
yrdrv2012	125.7106	18.74099	6.71	0.000	88.38467	163.0365
yrdrv2013	67.94671	20.45855	3.32	0.001	27.19998	108.6934
yrdrv2014	43.61489	18.62086	2.34	0.022	6.528236	80.70154
yrdrv2015	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
Model	107951.456	19	5681.65559	F(19, 76)	=	25.48
Residual	16948.2734	76	223.003597	Prob > F	=	0.0000
				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
yrdrv2009	7.834758	6.096496	1.29	0.203	-4.307466	19.97698
yrdrv2010	7.462257	6.096496	1.22	0.225	-4.679968	19.60448
yrdrv2011	19.7745	6.096496	3.24	0.002	7.632277	31.91673
yrdrv2012	43.16493	6.135829	7.03	0.000	30.94437	55.38549
yrdrv2013	35.17168	6.69816	5.25	0.000	21.83114	48.51222
yrdrv2014	57.94042	6.096496	9.50	0.000	45.7982	70.08265
yrdrv2015	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

OH

Source	SS	df	MS	Number of obs	=	96
Model	1981705.89	19	104300.31	F(19, 76)	=	35.81
Residual	221348.339	76	2912.47815	Prob > F	=	0.0000
				R-squared	=	0.8995
				Adj R-squared	=	0.8744
Total	2203054.23	95	23190.0445	Root MSE	=	53.967

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
yrdrv2009	32.63937	22.03209	1.48	0.143	-11.24134	76.52009
yrdrv2010	30.66284	22.03209	1.39	0.168	-13.21787	74.54355
yrdrv2011	85.20433	22.03209	3.87	0.000	41.32361	129.085
yrdrv2012	181.3165	22.17423	8.18	0.000	137.1527	225.4803
yrdrv2013	159.8605	24.20644	6.60	0.000	111.6492	208.0718
yrdrv2014	175.2569	22.03209	7.95	0.000	131.3762	219.1377
yrdrv2015	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
Model	4577381.83	19	240914.833	F(19, 76)	=	41.93
Residual	436700.448	76	5746.05852	Prob > F	=	0.0000
				R-squared	=	0.9129
				Adj R-squared	=	0.8911
Total	5014082.28	95	52779.8135	Root MSE	=	75.803

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
yrdrv2009	22.44907	30.94635	0.73	0.470	-39.18592	84.08407
yrdrv2010	15.12443	30.94635	0.49	0.626	-46.51057	76.75942
yrdrv2011	94.84643	30.94635	3.06	0.003	33.21144	156.4814
yrdrv2012	270.2429	31.146	8.68	0.000	208.2103	332.2756
yrdrv2013	201.2546	34.00044	5.92	0.000	133.5369	268.9724
yrdrv2014	245.2144	30.94635	7.92	0.000	183.5795	306.8494
yrdrv2015	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

OR

Source	SS	df	MS	Number of obs	=	96
Model	1623607.85	19	85453.0449	F(19, 76)	=	25.76
Residual	252120.248	76	3317.37169	Prob > F	=	0.0000
				R-squared	=	0.8656
				Adj R-squared	=	0.8320
Total	1875728.1	95	19744.5063	Root MSE	=	57.597

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
yrdrv2009	7.119446	23.51373	0.30	0.763	-39.7122	53.95109
yrdrv2010	3.569272	23.51373	0.15	0.880	-43.26237	50.40092
yrdrv2011	54.13861	23.51373	2.30	0.024	7.306971	100.9703
yrdrv2012	152.0607	23.66543	6.43	0.000	104.9269	199.1945
yrdrv2013	100.7295	25.8343	3.90	0.000	49.27607	152.183
yrdrv2014	112.2532	23.51373	4.77	0.000	65.42156	159.0848
yrdrv2015	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

PA

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

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	-1.4782977
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
yrdrv2009	26.68521	27.50477	0.97	0.335	-28.09529	81.46572
yrdrv2010	15.33991	27.50477	0.56	0.579	-39.44059	70.12042
yrdrv2011	74.59156	27.50477	2.71	0.008	19.81105	129.3721
yrdrv2012	212.8176	27.68223	7.69	0.000	157.6837	267.9515
yrdrv2013	191.1431	30.21922	6.33	0.000	130.9563	251.3299
yrdrv2014	190.2517	27.50477	6.92	0.000	135.4712	245.0323
yrdrv2015	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

RI

Source	SS	df	MS	Number of obs	=	96
Model	245045.427	19	12897.1277	F(19, 76)	=	29.37
Residual	33372.7254	76	439.114807	Prob > F	=	0.0000
				R-squared	=	0.8801
				Adj R-squared	=	0.8502
Total	278418.152	95	2930.71739	Root MSE	=	20.955

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
yrdrv2009	19.06045	8.55487	2.23	0.029	2.02195	36.09895
yrdrv2010	19.39274	8.55487	2.27	0.026	2.354244	36.43124
yrdrv2011	38.84406	8.55487	4.54	0.000	21.80556	55.88256
yrdrv2012	82.4354	8.610063	9.57	0.000	65.28697	99.58383
yrdrv2013	73.00295	9.39915	7.77	0.000	54.28292	91.72298
yrdrv2014	63.16615	8.55487	7.38	0.000	46.12765	80.20465
yrdrv2015	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

SC

Source	SS	df	MS	Number of obs	=	96
Model	1799553.42	19	94713.338	F(19, 76)	=	37.85
Residual	190164.973	76	2502.1707	Prob > F	=	0.0000
				R-squared	=	0.9044
				Adj R-squared	=	0.8805
Total	1989718.4	95	20944.4042	Root MSE	=	50.022

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
yrdrv2009	49.30627	20.42127	2.41	0.018	8.633778	89.97876
yrdrv2010	22.14933	20.42127	1.08	0.282	-18.52316	62.82182
yrdrv2011	68.85427	20.42127	3.37	0.001	28.18178	109.5268
yrdrv2012	186.373	20.55303	9.07	0.000	145.4381	227.3079
yrdrv2013	175.6138	22.43665	7.83	0.000	130.9273	220.3002
yrdrv2014	159.7342	20.42127	7.82	0.000	119.0617	200.4067
yrdrv2015	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

SD

Source	SS	df	MS	Number of obs	=	96
Model	5892801.68	19	310147.457	F(19, 76)	=	38.83
Residual	607075.605	76	7987.83691	Prob > F	=	0.0000
				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
yrdrv2009	6.586418	36.48707	0.18	0.857	-66.08388	79.25671
yrdrv2010	-6.952426	36.48707	-0.19	0.849	-79.62272	65.71787
yrdrv2011	52.54199	36.48707	1.44	0.154	-20.1283	125.2123
yrdrv2012	195.0217	36.72247	5.31	0.000	121.8826	268.1609
yrdrv2013	110.1797	40.08798	2.75	0.007	30.33761	190.0219
yrdrv2014	165.3699	36.48707	4.53	0.000	92.69959	238.0402
yrdrv2015	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
Model	4230917.45	19	222679.866	F(19, 76)	=	25.67
Residual	659383.679	76	8676.10103	Prob > F	=	0.0000
				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
yrdrv2009	163.2287	38.02653	4.29	0.000	87.49235	238.9651
yrdrv2010	161.5945	38.02653	4.25	0.000	85.85812	237.3309
yrdrv2011	210.2768	38.02653	5.53	0.000	134.5404	286.0132
yrdrv2012	272.3251	38.27186	7.12	0.000	196.1001	348.5501
yrdrv2013	285.5028	41.77937	6.83	0.000	202.292	368.7136
yrdrv2014	301.6002	38.02653	7.93	0.000	225.8638	377.3366
yrdrv2015	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
Model	1429081.13	19	75214.7964	F(19, 76)	=	41.76
Residual	136894.529	76	1801.2438	Prob > F	=	0.0000
				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
yrdrv2009	16.90118	17.32649	0.98	0.332	-17.60752	51.40988
yrdrv2010	-4.238753	17.32649	-0.24	0.807	-38.74745	30.26995
yrdrv2011	51.49861	17.32649	2.97	0.004	16.98991	86.00731
yrdrv2012	116.9277	17.43828	6.71	0.000	82.19639	151.6591
yrdrv2013	117.862	19.03644	6.19	0.000	79.94761	155.7763
yrdrv2014	129.0121	17.32649	7.45	0.000	94.50338	163.5208
yrdrv2015	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
Model	1443942.74	19	75996.9861	F(19, 76)	=	22.40
Residual	257803.412	76	3392.15015	Prob > F	=	0.0000
				R-squared	=	0.8485
				Adj R-squared	=	0.8106
Total	1701746.15	95	17913.1173	Root MSE	=	58.242

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
yrdrv2009	14.92662	23.77727	0.63	0.532	-32.42991	62.28315
yrdrv2010	36.30064	23.77727	1.53	0.131	-11.05589	83.65717
yrdrv2011	43.7884	23.77727	1.84	0.069	-3.568131	91.14493
yrdrv2012	141.1085	23.93067	5.90	0.000	93.44642	188.7705
yrdrv2013	131.4516	26.12384	5.03	0.000	79.42149	183.4818
yrdrv2014	123.2532	23.77727	5.18	0.000	75.89666	170.6097
yrdrv2015	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

Source	SS	df	MS	Number of obs	=	96
Model	1203841.51	19	63360.0792	F(19, 76)	=	41.47
Residual	116107.731	76	1527.73331	Prob > F	=	0.0000
				R-squared	=	0.9120
				Adj R-squared	=	0.8900
Total	1319949.24	95	13894.2025	Root MSE	=	39.086

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
yrdrv2009	14.27797	15.95689	0.89	0.374	-17.50292	46.05887
yrdrv2010	29.55902	15.95689	1.85	0.068	-2.221872	61.33991
yrdrv2011	69.30158	15.95689	4.34	0.000	37.52069	101.0825
yrdrv2012	146.925	16.05983	9.15	0.000	114.939	178.9109
yrdrv2013	112.4347	17.53167	6.41	0.000	77.51738	147.3521
yrdrv2014	125.2303	15.95689	7.85	0.000	93.44944	157.0112
yrdrv2015	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

WA

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

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
yrdrv2009	18.83281	24.66157	0.76	0.447	-30.28497	67.95059
yrdrv2010	12.3943	24.66157	0.50	0.617	-36.72348	61.51208
yrdrv2011	79.66583	24.66157	3.23	0.002	30.54805	128.7836
yrdrv2012	199.7558	24.82068	8.05	0.000	150.3211	249.1904
yrdrv2013	166.447	27.09543	6.14	0.000	112.4818	220.4122
yrdrv2014	166.7794	24.66157	6.76	0.000	117.6616	215.8971
yrdrv2015	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

Source	SS	df	MS	Number of obs	=	96
Model	3669401.98	19	193126.42	F(19, 76)	=	11.62
Residual	1262992.44	76	16618.3216	Prob > F	=	0.0000
				R-squared	=	0.7439
				Adj R-squared	=	0.6799
Total	4932394.43	95	51919.9414	Root MSE	=	128.91

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
yrdrv2009	13.51706	52.62813	0.26	0.798	-91.30095	118.3351
yrdrv2010	9.297153	52.62813	0.18	0.860	-95.52086	114.1152
yrdrv2011	195.0854	52.62813	3.71	0.000	90.26743	299.9035
yrdrv2012	382.9757	52.96767	7.23	0.000	277.4815	488.47
yrdrv2013	258.3159	57.822	4.47	0.000	143.1535	373.4784
yrdrv2014	207.7268	52.62813	3.95	0.000	102.9088	312.5448
yrdrv2015	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

WV

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

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
yrdrv2009	38.52795	36.98047	1.04	0.301	-35.12505	112.1809
yrdrv2010	48.28743	36.98047	1.31	0.196	-25.36557	121.9404
yrdrv2011	164.5476	36.98047	4.45	0.000	90.8946	238.2006
yrdrv2012	312.5869	37.21906	8.40	0.000	238.4588	386.7151
yrdrv2013	325.5054	40.63008	8.01	0.000	244.5835	406.4272
yrdrv2014	331.2173	36.98047	8.96	0.000	257.5643	404.8703
yrdrv2015	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

WY

Source	SS	df	MS	Number of obs	=	96
Model	3245292.62	19	170804.875	F(19, 76)	=	18.99
Residual	683670.09	76	8995.65908	Prob > F	=	0.0000
				R-squared	=	0.8260
				Adj R-squared	=	0.7825
Total	3928962.71	95	41357.5022	Root MSE	=	94.845

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 residsmall, residual;
>
> sort largeinc year;
> list year mortrate residbig largeinc if largeinc == 1, clean;
> list year mortrate residsmall 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 causeddeath=="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
Model	.000572331	19	.000030123	F(19, 76)	=	2.08
Residual	.001101415	76	.000014492	Prob > F	=	0.0133
				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
Model	.000726756	19	.00003825	F(19, 76)	=	4.78
Residual	.000608659	76	8.0087e-06	Prob > F	=	0.0000
				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
Model	.000569924	19	.000029996	F(19, 76)	=	5.54
Residual	.000411389	76	5.4130e-06	Prob > F	=	0.0000
Total	.000981314	95	.00001033	R-squared	=	0.5808
				Adj R-squared	=	0.4760
				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 .0000066
_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