

# DS607\_Project2\_JagdishChhabria-Part 1

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*March 9, 2019*

```
# This dataset is from the FBI website showing the numbers of violent crimes for 2015 and 2016. across
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

```
library(tidyr)
library(RCurl)
```

```
## Loading required package: bitops

##
## Attaching package: 'RCurl'

## The following object is masked from 'package:tidyr':
##
##   complete
```

```
# Load the input data file
```

```
infile<-getURL("https://raw.githubusercontent.com/Jagdish16/jagdish_r_repo/master/DATA607/week6/fbidata1.csv")
#infile<-"C://Jagdish/Masters Programs/CUNY/DATA 607 Data Acquisition And Management/Week5/fbidata1.csv"
fbidata<-read.csv(text=infile,header=TRUE)
fbidata$Population<-as.numeric(fbidata$Population)
fbidata
```

```
##           Area      Year Population Violent.crime
## 1 United States Total    2015  320896618    1234183.0
## 2                    2016  323127513    1283058.0
## 3                    Percent change      NA         4.0
## 4 Northeast          2015  56184737    180474.0
## 5                    2016  56209510    178244.0
## 6                    Percent change      NA        -1.2
## 7 New England        2015  14710229    42121.0
## 8                    2016  14735525    41598.0
## 9                    Percent change      NA        -1.2
## 10 Connecticut       2015   3584730     7938.0
## 11                  2016   3576452     8123.0
## 12                  Percent change      NA         2.3
## 13 Maine             2015   1329453     1726.0
## 14                  2016   1331479     1648.0
## 15                  Percent change      NA        -4.5
## 16 Massachusetts    2015   6784240    26453.0
## 17                  2016   6811779    25677.0
```

## 18		Percent change	NA	-2.9
## 19	New Hampshire	2015	1330111	2692.0
## 20		2016	1334795	2637.0
## 21		Percent change	NA	-2.0
## 22	Rhode Island	2015	1055607	2565.0
## 23		2016	1056426	2524.0
## 24		Percent change	NA	-1.6
## 25	Vermont	2015	626088	747.0
## 26		2016	624594	989.0
## 27		Percent change	NA	32.4
## 28	Middle Atlantic	2015	41474508	138353.0
## 29		2016	41473985	136646.0
## 30		Percent change	NA	-1.2
## 31	New Jersey	2015	8935421	22879.0
## 32		2016	8944469	21914.0
## 33		Percent change	NA	-4.2
## 34	New York	2015	19747183	75126.0
## 35		2016	19745289	74285.0
## 36		Percent change	NA	-1.1
## 37	Pennsylvania	2015	12791904	40348.0
## 38		2016	12784227	40447.0
## 39		Percent change	NA	0.2
## 40	Midwest	2015	67838387	242893.0
## 41		2016	67941429	257109.0
## 42		Percent change	NA	5.9
## 43	East North Central	2015	46742511	168762.0
## 44		2016	46755973	180827.0
## 45		Percent change	NA	7.1
## 46	Illinois	2015	12839047	49755.0
## 47		2016	12801539	55854.0
## 48		Percent change	NA	12.3
## 49	Indiana	2015	6612768	25373.0
## 50		2016	6633053	26845.0
## 51		Percent change	NA	5.8
## 52	Michigan	2015	9917715	41712.0
## 53		2016	9928300	45572.0
## 54		Percent change	NA	9.3
## 55	Ohio	2015	11605090	34373.0
## 56		2016	11614373	34877.0
## 57		Percent change	NA	1.5
## 58	Wisconsin	2015	5767891	17549.0
## 59		2016	5778708	17679.0
## 60		Percent change	NA	0.7
## 61	West North Central	2015	21095876	74131.0
## 62		2016	21185456	76282.0
## 63		Percent change	NA	2.9
## 64	Iowa	2015	3121997	8619.0
## 65		2016	3134693	9110.0
## 66		Percent change	NA	5.7
## 67	Kansas	2015	2906721	11483.0
## 68		2016	2907289	11060.0
## 69		Percent change	NA	-3.7
## 70	Minnesota	2015	5482435	13319.0
## 71		2016	5519952	13394.0

## 72		Percent change	NA	0.6
## 73	Missouri	2015	6076204	30292.0
## 74		2016	6093000	31644.0
## 75		Percent change	NA	4.5
## 76	Nebraska	2015	1893765	5167.0
## 77		2016	1907116	5550.0
## 78		Percent change	NA	7.4
## 79	North Dakota	2015	756835	1949.0
## 80		2016	757952	1903.0
## 81		Percent change	NA	-2.4
## 82	South Dakota	2015	857919	3302.0
## 83		2016	865454	3621.0
## 84		Percent change	NA	9.7
## 85	South	2015	121039206	509043.0
## 86		2016	122319574	526999.0
## 87		Percent change	NA	3.5
## 88	South Atlantic	2015	63192408	256283.0
## 89		2016	63923309	258672.0
## 90		Percent change	NA	0.9
## 91	Delaware	2015	944076	4760.0
## 92		2016	952065	4844.0
## 93		Percent change	NA	1.8
## 94	District of Columbia	2015	670377	8538.0
## 95		2016	681170	8214.0
## 96		Percent change	NA	-3.8
## 97	Florida	2015	20244914	93625.0
## 98		2016	20612439	88700.0
## 99		Percent change	NA	-5.3
## 100	Georgia	2015	10199398	38891.0
## 101		2016	10310371	40990.0
## 102		Percent change	NA	5.4
## 103	Maryland	2015	5994983	28185.0
## 104		2016	6016447	28400.0
## 105		Percent change	NA	0.8
## 106	North Carolina	2015	10035186	34734.0
## 107		2016	10146788	37769.0
## 108		Percent change	NA	8.7
## 109	South Carolina	2015	4894834	24448.0
## 110		2016	4961119	24896.0
## 111		Percent change	NA	1.8
## 112	Virginia	2015	8367587	16705.0
## 113		2016	8411808	18302.0
## 114		Percent change	NA	9.6
## 115	West Virginia	2015	1841053	6397.0
## 116		2016	1831102	6557.0
## 117		Percent change	NA	2.5
## 118	East South Central	2015	18862932	81850.0
## 119		2016	18940194	86674.0
## 120		Percent change	NA	5.9
## 121	Alabama	2015	4853875	22957.0
## 122		2016	4863300	25886.0
## 123		Percent change	NA	12.8
## 124	Kentucky	2015	4424611	9887.0
## 125		2016	4436974	10308.0

## 126		Percent change	NA	4.3
## 127	Mississippi	2015	2989390	8190.0
## 128		2016	2988726	8383.0
## 129		Percent change	NA	2.4
## 130	Tennessee	2015	6595056	40816.0
## 131		2016	6651194	42097.0
## 132		Percent change	NA	3.1
## 133	West South Central	2015	38983866	170910.0
## 134		2016	39456071	181653.0
## 135		Percent change	NA	6.3
## 136	Arkansas	2015	2977853	15769.0
## 137		2016	2988248	16461.0
## 138		Percent change	NA	4.4
## 139	Louisiana	2015	4668960	25202.0
## 140		2016	4681666	26502.0
## 141		Percent change	NA	5.2
## 142	Oklahoma	2015	3907414	16746.0
## 143		2016	3923561	17648.0
## 144		Percent change	NA	5.4
## 145	Texas	2015	27429639	113193.0
## 146		2016	27862596	121042.0
## 147		Percent change	NA	6.9
## 148	West	2015	75834288	301773.0
## 149		2016	76657000	320706.0
## 150		Percent change	NA	6.3
## 151	Mountain	2015	23492558	94784.0
## 152		2016	23855067	102674.0
## 153		Percent change	NA	8.3
## 154	Arizona	2015	6817565	27968.0
## 155		2016	6931071	32583.0
## 156		Percent change	NA	16.5
## 157	Colorado	2015	5448819	17348.0
## 158		2016	5540545	18983.0
## 159		Percent change	NA	9.4
## 160	Idaho	2015	1652828	3593.0
## 161		2016	1683140	3876.0
## 162		Percent change	NA	7.9
## 163	Montana	2015	1032073	3647.0
## 164		2016	1042520	3840.0
## 165		Percent change	NA	5.3
## 166	Nevada	2015	2883758	20118.0
## 167		2016	2940058	19936.0
## 168		Percent change	NA	-0.9
## 169	New Mexico	2015	2080328	13672.0
## 170		2016	2081015	14619.0
## 171		Percent change	NA	6.9
## 172	Utah	2015	2990632	7138.0
## 173		2016	3051217	7407.0
## 174		Percent change	NA	3.8
## 175	Wyoming	2015	586555	1300.0
## 176		2016	585501	1430.0
## 177		Percent change	NA	10.0
## 178	Pacific	2015	52341730	206989.0
## 179		2016	52801933	218032.0

## 180		Percent change	NA	5.3
## 181	Alaska	2015	737709	5391.0
## 182		2016	741894	5966.0
## 183		Percent change	NA	10.7
## 184	California	2015	38993940	166883.0
## 185		2016	39250017	174796.0
## 186		Percent change	NA	4.7
## 187	Hawaii	2015	1425157	3530.0
## 188		2016	1428557	4417.0
## 189		Percent change	NA	25.1
## 190	Oregon	2015	4024634	10680.0
## 191		2016	4093465	10830.0
## 192		Percent change	NA	1.4
## 193	Washington	2015	7160290	20505.0
## 194		2016	7288000	22023.0
## 195		Percent change	NA	7.4
## 196	Puerto Rico	2015	3473181	7629.0
## 197		2016	3411307	7643.0
## 198		Percent change	NA	0.2
##	Murder.and.nonnegligent.manslaughter Rape.revised.definition			
## 1		15883.0		126134.0
## 2		17250.0		130603.0
## 3		8.6		3.5
## 4		1967.0		16415.0
## 5		1955.0		16651.0
## 6		-0.6		1.4
## 7		326.0		4602.0
## 8		292.0		4505.0
## 9		-10.4		-2.1
## 10		116.0		798.0
## 11		78.0		763.0
## 12		-32.8		-4.4
## 13		23.0		461.0
## 14		20.0		412.0
## 15		-13.0		-10.6
## 16		131.0		2082.0
## 17		134.0		2128.0
## 18		2.3		2.2
## 19		15.0		644.0
## 20		17.0		582.0
## 21		13.3		-9.6
## 22		31.0		467.0
## 23		29.0		442.0
## 24		-6.5		-5.4
## 25		10.0		150.0
## 26		14.0		178.0
## 27		40.0		18.7
## 28		1641.0		11813.0
## 29		1663.0		12146.0
## 30		1.3		2.8
## 31		363.0		1373.0
## 32		372.0		1453.0
## 33		2.5		5.8
## 34		613.0		6141.0

## 35	630.0	6260.0
## 36	2.8	1.9
## 37	665.0	4299.0
## 38	661.0	4433.0
## 39	-0.6	3.1
## 40	3422.0	30827.0
## 41	3885.0	31408.0
## 42	13.5	1.9
## 43	2471.0	21268.0
## 44	2974.0	22102.0
## 45	20.4	3.9
## 46	754.0	4926.0
## 47	1054.0	4908.0
## 48	39.8	-0.4
## 49	370.0	2386.0
## 50	439.0	2501.0
## 51	18.6	4.8
## 52	585.0	6710.0
## 53	598.0	7125.0
## 54	2.2	6.2
## 55	522.0	5441.0
## 56	654.0	5589.0
## 57	25.3	2.7
## 58	240.0	1805.0
## 59	229.0	1979.0
## 60	-4.6	9.6
## 61	951.0	9559.0
## 62	911.0	9306.0
## 63	-4.2	-2.6
## 64	73.0	1205.0
## 65	71.0	1247.0
## 66	-2.7	3.5
## 67	126.0	1684.0
## 68	111.0	1312.0
## 69	-11.9	-22.1
## 70	133.0	2321.0
## 71	101.0	2348.0
## 72	-24.1	1.2
## 73	503.0	2573.0
## 74	537.0	2554.0
## 75	6.8	-0.7
## 76	62.0	885.0
## 77	49.0	994.0
## 78	-21.0	12.3
## 79	21.0	391.0
## 80	15.0	342.0
## 81	-28.6	-12.5
## 82	33.0	500.0
## 83	27.0	509.0
## 84	-18.2	1.8
## 85	7300.0	47277.0
## 86	7961.0	49246.0
## 87	9.1	4.2
## 88	3824.0	21620.0

## 89	4077.0	22333.0
## 90	6.6	3.3
## 91	62.0	361.0
## 92	56.0	308.0
## 93	-9.7	-14.7
## 94	162.0	494.0
## 95	139.0	532.0
## 96	-14.2	7.7
## 97	1041.0	7552.0
## 98	1111.0	7598.0
## 99	6.7	0.6
## 100	622.0	3257.0
## 101	681.0	3509.0
## 102	9.5	7.7
## 103	538.0	1717.0
## 104	481.0	1756.0
## 105	-10.6	2.3
## 106	517.0	2591.0
## 107	678.0	2849.0
## 108	31.1	10.0
## 109	407.0	2439.0
## 110	366.0	2387.0
## 111	-10.1	-2.1
## 112	390.0	2499.0
## 113	484.0	2737.0
## 114	24.1	9.5
## 115	85.0	710.0
## 116	81.0	657.0
## 117	-4.7	-7.5
## 118	1238.0	7640.0
## 119	1391.0	7548.0
## 120	12.4	-1.2
## 121	348.0	2037.0
## 122	407.0	1916.0
## 123	17.0	-5.9
## 124	219.0	1644.0
## 125	260.0	1641.0
## 126	18.7	-0.2
## 127	253.0	1158.0
## 128	238.0	1277.0
## 129	-5.9	10.3
## 130	418.0	2801.0
## 131	486.0	2714.0
## 132	16.3	-3.1
## 133	2238.0	18017.0
## 134	2493.0	19365.0
## 135	11.4	7.5
## 136	189.0	2008.0
## 137	216.0	2143.0
## 138	14.3	6.7
## 139	492.0	1733.0
## 140	554.0	1816.0
## 141	12.6	4.8
## 142	240.0	1953.0

## 143	245.0	2039.0
## 144	2.1	4.4
## 145	1317.0	12323.0
## 146	1478.0	13367.0
## 147	12.2	8.5
## 148	3194.0	31615.0
## 149	3449.0	33298.0
## 150	8.0	5.3
## 151	917.0	12938.0
## 152	1124.0	13126.0
## 153	22.6	1.5
## 154	306.0	3109.0
## 155	380.0	3290.0
## 156	24.2	5.8
## 157	173.0	3328.0
## 158	204.0	3555.0
## 159	17.9	6.8
## 160	32.0	703.0
## 161	49.0	719.0
## 162	53.1	2.3
## 163	38.0	572.0
## 164	36.0	578.0
## 165	-5.3	1.0
## 166	178.0	1688.0
## 167	224.0	1733.0
## 168	25.8	2.7
## 169	117.0	1663.0
## 170	139.0	1526.0
## 171	18.8	-8.2
## 172	57.0	1704.0
## 173	72.0	1520.0
## 174	26.3	-10.8
## 175	16.0	171.0
## 176	20.0	205.0
## 177	25.0	19.9
## 178	2277.0	18677.0
## 179	2325.0	20172.0
## 180	2.1	8.0
## 181	59.0	900.0
## 182	52.0	1053.0
## 183	-11.9	17.0
## 184	1861.0	12811.0
## 185	1930.0	13702.0
## 186	3.7	7.0
## 187	29.0	538.0
## 188	35.0	619.0
## 189	20.7	15.1
## 190	110.0	1650.0
## 191	113.0	1721.0
## 192	2.7	4.3
## 193	218.0	2778.0
## 194	195.0	3077.0
## 195	-10.6	10.8
## 196	584.0	165.0



## 197			679.0	169.0
## 198			16.3	2.4
##	Rape.legacy.definition	Robbery	Aggravated.assault	Property.crime
## 1	91261.0	328109.0	764057.0	8024115.0
## 2	95730.0	332198.0	803007.0	7919035.0
## 3	4.9	1.2	5.1	-1.3
## 4	11912.0	56202.0	105890.0	951940.0
## 5	12219.0	53033.0	106605.0	909897.0
## 6	2.6	-5.6	0.7	-4.4
## 7	3374.0	9629.0	27564.0	257073.0
## 8	3328.0	9407.0	27394.0	243769.0
## 9	-1.4	-2.3	-0.6	-5.2
## 10	585.0	2925.0	4099.0	65610.0
## 11	561.0	2703.0	4579.0	64664.0
## 12	-4.1	-7.6	11.7	-1.4
## 13	337.0	311.0	931.0	24361.0
## 14	300.0	266.0	950.0	21912.0
## 15	-11.0	-14.5	2.0	-10.1
## 16	1538.0	5266.0	18974.0	114547.0
## 17	1592.0	5365.0	18050.0	106339.0
## 18	3.5	1.9	-4.9	-7.2
## 19	468.0	475.0	1558.0	23453.0
## 20	423.0	427.0	1611.0	20194.0
## 21	-9.6	-10.1	3.4	-13.9
## 22	342.0	547.0	1520.0	20038.0
## 23	328.0	540.0	1513.0	20058.0
## 24	-4.1	-1.3	-0.5	0.1
## 25	104.0	105.0	482.0	9064.0
## 26	124.0	106.0	691.0	10602.0
## 27	19.2	1.0	43.4	17.0
## 28	8538.0	46573.0	78326.0	694867.0
## 29	8891.0	43626.0	79211.0	666128.0
## 30	4.1	-6.3	1.1	-4.1
## 31	1019.0	9729.0	11414.0	145701.0
## 32	1089.0	8984.0	11105.0	138152.0
## 33	6.9	-7.7	-2.7	-5.2
## 34	4414.0	23879.0	44493.0	317225.0
## 35	4569.0	22316.0	45079.0	305181.0
## 36	3.5	-6.5	1.3	-3.8
## 37	3105.0	12965.0	22419.0	231941.0
## 38	3233.0	12326.0	23027.0	222795.0
## 39	4.1	-4.9	2.7	-3.9
## 40	22395.0	62201.0	146443.0	1555516.0
## 41	23080.0	64022.0	157794.0	1544531.0
## 42	3.1	2.9	7.8	-0.7
## 43	15455.0	47806.0	97217.0	1037945.0
## 44	16199.0	49506.0	106245.0	1034762.0
## 45	4.8	3.6	9.3	-0.3
## 46	3602.0	15056.0	29019.0	256962.0
## 47	3635.0	17827.0	32065.0	262306.0
## 48	0.9	18.4	10.5	2.1
## 49	1757.0	7081.0	15536.0	171878.0
## 50	1851.0	7330.0	16575.0	171759.0
## 51	5.4	3.5	6.7	-0.1

## 52	4782.0	7818.0	26599.0	191191.0
## 53	5114.0	7120.0	30729.0	189620.0
## 54	6.9	-8.9	15.5	-0.8
## 55	3990.0	12617.0	15793.0	303743.0
## 56	4141.0	12523.0	16111.0	299357.0
## 57	3.8	-0.7	2.0	-1.4
## 58	1324.0	5234.0	10270.0	114171.0
## 59	1458.0	4706.0	10765.0	111720.0
## 60	10.1	-10.1	4.8	-2.1
## 61	6940.0	14395.0	49226.0	517571.0
## 62	6881.0	14516.0	51549.0	509769.0
## 63	-0.9	0.8	4.7	-1.5
## 64	877.0	1050.0	6291.0	64688.0
## 65	922.0	1148.0	6644.0	65391.0
## 66	5.1	9.3	5.6	1.1
## 67	1226.0	1823.0	7850.0	80059.0
## 68	971.0	1671.0	7966.0	78367.0
## 69	-20.8	-8.3	1.5	-2.1
## 70	1679.0	3771.0	7094.0	121984.0
## 71	1731.0	3728.0	7217.0	117756.0
## 72	3.1	-1.1	1.7	-3.5
## 73	1858.0	6383.0	20833.0	173788.0
## 74	1884.0	6570.0	21983.0	170549.0
## 75	1.4	2.9	5.5	-1.9
## 76	648.0	994.0	3226.0	42597.0
## 77	738.0	946.0	3561.0	43163.0
## 78	13.9	-4.8	10.4	1.3
## 79	285.0	159.0	1378.0	17716.0
## 80	256.0	181.0	1365.0	17402.0
## 81	-10.2	13.8	-0.9	-1.8
## 82	367.0	215.0	2554.0	16739.0
## 83	379.0	272.0	2813.0	17141.0
## 84	3.3	26.5	10.1	2.4
## 85	33960.0	127149.0	327317.0	3393611.0
## 86	35869.0	128842.0	340950.0	3343799.0
## 87	5.6	1.3	4.2	-1.5
## 88	15433.0	66792.0	164047.0	1721061.0
## 89	16174.0	66402.0	165860.0	1692669.0
## 90	4.8	-0.6	1.1	-1.6
## 91	257.0	1240.0	3097.0	25545.0
## 92	221.0	1359.0	3121.0	26334.0
## 93	-14.0	9.6	0.8	3.1
## 94	365.0	3746.0	4136.0	31444.0
## 95	401.0	3480.0	4063.0	32716.0
## 96	9.9	-7.1	-1.8	4.0
## 97	5396.0	21137.0	63895.0	570270.0
## 98	5528.0	20175.0	59816.0	553812.0
## 99	2.4	-4.6	-6.4	-2.9
## 100	2343.0	12545.0	22467.0	316013.0
## 101	2528.0	12205.0	24595.0	309770.0
## 102	7.9	-2.7	9.5	-2.0
## 103	1209.0	10111.0	15819.0	142547.0
## 104	1266.0	10289.0	15874.0	137445.0
## 105	4.7	1.8	0.3	-3.6

## 106	1886.0	8821.0	22805.0	275915.0
## 107	2086.0	9336.0	24906.0	277765.0
## 108	10.6	5.8	9.2	0.7
## 109	1717.0	3950.0	17652.0	162830.0
## 110	1711.0	4035.0	18108.0	160928.0
## 111	-0.3	2.2	2.6	-1.2
## 112	1767.0	4459.0	9357.0	157803.0
## 113	1965.0	4803.0	10278.0	156412.0
## 114	11.2	7.7	9.8	-0.9
## 115	493.0	783.0	4819.0	38694.0
## 116	468.0	720.0	5099.0	37487.0
## 117	-5.1	-8.0	5.8	-3.1
## 118	5497.0	17737.0	55235.0	524162.0
## 119	5455.0	18265.0	59470.0	513087.0
## 120	-0.8	3.0	7.7	-2.1
## 121	1449.0	4612.0	15960.0	144785.0
## 122	1385.0	4686.0	18877.0	143362.0
## 123	-4.4	1.6	18.3	-1.0
## 124	1165.0	3314.0	4710.0	97545.0
## 125	1174.0	3369.0	5038.0	97158.0
## 126	0.8	1.7	7.0	-0.4
## 127	851.0	2312.0	4467.0	85785.0
## 128	905.0	2397.0	4471.0	82732.0
## 129	6.3	3.7	0.1	-3.6
## 130	2032.0	7499.0	30098.0	196047.0
## 131	1991.0	7813.0	31084.0	189835.0
## 132	-2.0	4.2	3.3	-3.2
## 133	13030.0	42620.0	108035.0	1148388.0
## 134	14240.0	44175.0	115620.0	1138043.0
## 135	9.3	3.6	7.0	-0.9
## 136	1425.0	2117.0	11455.0	97391.0
## 137	1545.0	2120.0	11982.0	97673.0
## 138	8.4	0.1	4.6	0.3
## 139	1246.0	5561.0	17416.0	157708.0
## 140	1328.0	5576.0	18556.0	154386.0
## 141	6.6	0.3	6.5	-2.1
## 142	1418.0	3018.0	11535.0	114055.0
## 143	1509.0	3162.0	12202.0	117037.0
## 144	6.4	4.8	5.8	2.6
## 145	8941.0	31924.0	67629.0	779234.0
## 146	9858.0	33317.0	72880.0	768947.0
## 147	10.3	4.4	7.8	-1.3
## 148	22994.0	82557.0	184407.0	2123048.0
## 149	24562.0	86301.0	197658.0	2120808.0
## 150	6.8	4.5	7.2	-0.1
## 151	9424.0	20236.0	60693.0	662713.0
## 152	9689.0	21739.0	66685.0	675111.0
## 153	2.8	7.4	9.9	1.9
## 154	2268.0	6360.0	18193.0	207184.0
## 155	2452.0	7055.0	21858.0	206432.0
## 156	8.1	10.9	20.1	-0.4
## 157	2422.0	3315.0	10532.0	144044.0
## 158	2619.0	3528.0	11696.0	151850.0
## 159	8.1	6.4	11.1	5.4

## 160	508.0	191.0	2667.0	28912.0
## 161	529.0	213.0	2895.0	29357.0
## 162	4.1	11.5	8.5	1.5
## 163	405.0	210.0	2827.0	27276.0
## 164	414.0	266.0	2960.0	27976.0
## 165	2.2	26.7	4.7	2.6
## 166	1232.0	6287.0	11965.0	77137.0
## 167	1292.0	6340.0	11639.0	76047.0
## 168	4.9	0.8	-2.7	-1.4
## 169	1218.0	2485.0	9407.0	77212.0
## 170	1117.0	2737.0	10217.0	81931.0
## 171	-8.3	10.1	8.6	6.1
## 172	1247.0	1329.0	4048.0	89797.0
## 173	1116.0	1541.0	4274.0	90058.0
## 174	-10.5	16.0	5.6	0.3
## 175	124.0	59.0	1054.0	11151.0
## 176	150.0	59.0	1146.0	11460.0
## 177	21.0	0.0	8.7	2.8
## 178	13570.0	62321.0	123714.0	1460335.0
## 179	14873.0	64562.0	130973.0	1445697.0
## 180	9.6	3.6	5.9	-1.0
## 181	648.0	761.0	3671.0	20806.0
## 182	757.0	850.0	4011.0	24876.0
## 183	16.8	11.7	9.3	19.6
## 184	9341.0	52862.0	99349.0	1024914.0
## 185	10149.0	54789.0	104375.0	1002070.0
## 186	8.7	3.6	5.1	-2.2
## 187	382.0	1085.0	1878.0	45389.0
## 188	447.0	994.0	2769.0	42753.0
## 189	17.0	-8.4	47.4	-5.8
## 190	1193.0	2163.0	6757.0	119752.0
## 191	1261.0	2278.0	6718.0	121345.0
## 192	5.7	5.3	-0.6	1.3
## 193	2006.0	5450.0	12059.0	249474.0
## 194	2259.0	5651.0	13100.0	254653.0
## 195	12.6	3.7	8.6	2.1
## 196	123.0	4070.0	2810.0	37717.0
## 197	128.0	3201.0	3594.0	35201.0
## 198	4.1	-21.4	27.9	-6.7
##	Burglary Larceny.theft Motor.vehicle.theft			
## 1	1587564.0	5723488.0	713063.0	
## 2	1515096.0	5638455.0	765484.0	
## 3	-4.6	-1.5	7.4	
## 4	157910.0	737087.0	56943.0	
## 5	142720.0	709721.0	57456.0	
## 6	-9.6	-3.7	0.9	
## 7	46260.0	193051.0	17762.0	
## 8	42095.0	182985.0	18689.0	
## 9	-9.0	-5.2	5.2	
## 10	10286.0	48898.0	6426.0	
## 11	10045.0	47512.0	7107.0	
## 12	-2.3	-2.8	10.6	
## 13	4694.0	18853.0	814.0	
## 14	4003.0	17134.0	775.0	

## 15	-14.7	-9.1	-4.8
## 16	21826.0	84676.0	8045.0
## 17	19193.0	79088.0	8058.0
## 18	-12.1	-6.6	0.2
## 19	3482.0	19076.0	895.0
## 20	2963.0	16360.0	871.0
## 21	-14.9	-14.2	-2.7
## 22	3938.0	14714.0	1386.0
## 23	3788.0	14674.0	1596.0
## 24	-3.8	-0.3	15.2
## 25	2034.0	6834.0	196.0
## 26	2103.0	8217.0	282.0
## 27	3.4	20.2	43.9
## 28	111650.0	544036.0	39181.0
## 29	100625.0	526736.0	38767.0
## 30	-9.9	-3.2	-1.1
## 31	27960.0	105963.0	11778.0
## 32	25284.0	101540.0	11328.0
## 33	-9.6	-4.2	-3.8
## 34	44117.0	257837.0	15271.0
## 35	39821.0	250968.0	14392.0
## 36	-9.7	-2.7	-5.8
## 37	39573.0	180236.0	12132.0
## 38	35520.0	174228.0	13047.0
## 39	-10.2	-3.3	7.5
## 40	307853.0	1125935.0	121728.0
## 41	300359.0	1112596.0	131576.0
## 42	-2.4	-1.2	8.1
## 43	211221.0	748309.0	78415.0
## 44	207962.0	742358.0	84442.0
## 45	-1.5	-0.8	7.7
## 46	46846.0	192424.0	17692.0
## 47	47989.0	194407.0	19910.0
## 48	2.4	1.0	12.5
## 49	34404.0	123940.0	13534.0
## 50	34097.0	122931.0	14731.0
## 51	-0.9	-0.8	8.8
## 52	40375.0	132019.0	18797.0
## 53	39568.0	129876.0	20176.0
## 54	-2.0	-1.6	7.3
## 55	69994.0	216354.0	17395.0
## 56	66883.0	212807.0	19667.0
## 57	-4.4	-1.6	13.1
## 58	19602.0	83572.0	10997.0
## 59	19425.0	82337.0	9958.0
## 60	-0.9	-1.5	-9.4
## 61	96632.0	377626.0	43313.0
## 62	92397.0	370238.0	47134.0
## 63	-4.4	-2.0	8.8
## 64	14977.0	45328.0	4383.0
## 65	15030.0	45378.0	4983.0
## 66	0.4	0.1	13.7
## 67	15619.0	57435.0	7005.0
## 68	14364.0	57066.0	6937.0

## 69	-8.0	-0.6	-1.0
## 70	19299.0	94704.0	7981.0
## 71	18606.0	90422.0	8728.0
## 72	-3.6	-4.5	9.4
## 73	34029.0	122749.0	17010.0
## 74	31710.0	120544.0	18295.0
## 75	-6.8	-1.8	7.6
## 76	6443.0	32148.0	4006.0
## 77	6444.0	31994.0	4725.0
## 78	0.0	-0.5	17.9
## 79	3296.0	12686.0	1734.0
## 80	3243.0	12195.0	1964.0
## 81	-1.6	-3.9	13.3
## 82	2969.0	12576.0	1194.0
## 83	3000.0	12639.0	1502.0
## 84	1.0	0.5	25.8
## 85	719098.0	2422679.0	251834.0
## 86	684968.0	2391288.0	267543.0
## 87	-4.7	-1.3	6.2
## 88	352328.0	1246078.0	122655.0
## 89	330122.0	1234761.0	127786.0
## 90	-6.3	-0.9	4.2
## 91	4797.0	19555.0	1193.0
## 92	5023.0	19791.0	1520.0
## 93	4.7	1.2	27.4
## 94	2971.0	25208.0	3265.0
## 95	2361.0	27382.0	2973.0
## 96	-20.5	8.6	-8.9
## 97	109268.0	420341.0	40661.0
## 98	100325.0	410352.0	43135.0
## 99	-8.2	-2.4	6.1
## 100	68149.0	220715.0	27149.0
## 101	63344.0	219625.0	26801.0
## 102	-7.1	-0.5	-1.3
## 103	26432.0	102701.0	13414.0
## 104	24692.0	100919.0	11834.0
## 105	-6.6	-1.7	-11.8
## 106	74760.0	187732.0	13423.0
## 107	72082.0	190377.0	15306.0
## 108	-3.6	1.4	14.0
## 109	34942.0	114778.0	13110.0
## 110	32976.0	114032.0	13920.0
## 111	-5.6	-0.6	6.2
## 112	21542.0	128064.0	8197.0
## 113	20018.0	126606.0	9788.0
## 114	-7.1	-1.1	19.4
## 115	9467.0	26984.0	2243.0
## 116	9301.0	25677.0	2509.0
## 117	-1.8	-4.8	11.9
## 118	126612.0	362030.0	35520.0
## 119	118565.0	353470.0	41052.0
## 120	-6.4	-2.4	15.6
## 121	35265.0	99182.0	10338.0
## 122	34065.0	97574.0	11723.0

## 123	-3.4	-1.6	13.4
## 124	22526.0	67143.0	7876.0
## 125	20834.0	66438.0	9886.0
## 126	-7.5	-1.0	25.5
## 127	25068.0	56446.0	4271.0
## 128	23354.0	55054.0	4324.0
## 129	-6.8	-2.5	1.2
## 130	43753.0	139259.0	13035.0
## 131	40312.0	134404.0	15119.0
## 132	-7.9	-3.5	16.0
## 133	240158.0	814571.0	93659.0
## 134	236281.0	803057.0	98705.0
## 135	-1.6	-1.4	5.4
## 136	22851.0	68720.0	5820.0
## 137	23771.0	66747.0	7155.0
## 138	4.0	-2.9	22.9
## 139	35457.0	112520.0	9731.0
## 140	34667.0	109380.0	10339.0
## 141	-2.2	-2.8	6.2
## 142	28783.0	74678.0	10594.0
## 143	29103.0	75779.0	12155.0
## 144	1.1	1.5	14.7
## 145	153067.0	558653.0	67514.0
## 146	148740.0	551151.0	69056.0
## 147	-2.8	-1.3	2.3
## 148	402703.0	1437787.0	282558.0
## 149	387049.0	1424850.0	308909.0
## 150	-3.9	-0.9	9.3
## 151	125323.0	470974.0	66416.0
## 152	122629.0	474519.0	77963.0
## 153	-2.1	0.8	17.4
## 154	38010.0	152388.0	16786.0
## 155	37736.0	150275.0	18421.0
## 156	-0.7	-1.4	9.7
## 157	23490.0	104532.0	16022.0
## 158	23903.0	108336.0	19611.0
## 159	1.8	3.6	22.4
## 160	6124.0	20916.0	1872.0
## 161	6318.0	20962.0	2077.0
## 162	3.2	0.2	11.0
## 163	3887.0	20966.0	2423.0
## 164	3934.0	21299.0	2743.0
## 165	1.2	1.6	13.2
## 166	22360.0	43426.0	11351.0
## 167	18850.0	44017.0	13180.0
## 168	-15.7	1.4	16.1
## 169	17084.0	51485.0	8643.0
## 170	17281.0	52907.0	11743.0
## 171	1.2	2.8	35.9
## 172	12606.0	68464.0	8727.0
## 173	12836.0	67834.0	9388.0
## 174	1.8	-0.9	7.6
## 175	1762.0	8797.0	592.0
## 176	1771.0	8889.0	800.0

```
## 177      0.5      1.0      35.1
## 178 277380.0  966813.0  216142.0
## 179 264420.0  950331.0  230946.0
## 180     -4.7     -1.7      6.8
## 181   3511.0   15249.0   2046.0
## 182   4053.0   17766.0   3057.0
## 183    15.4    16.5    49.4
## 184 197404.0  656517.0  170993.0
## 185 188304.0  637010.0  176756.0
## 186     -4.6     -3.0      3.4
## 187   6810.0   33140.0   5439.0
## 188   6017.0   31082.0   5654.0
## 189    -11.6     -6.2      4.0
## 190 18541.0   90514.0  10697.0
## 191 16866.0   91286.0  13193.0
## 192     -9.0      0.9    23.3
## 193 51114.0  171393.0  26967.0
## 194 49180.0  173187.0  32286.0
## 195     -3.8      1.0    19.7
## 196   9150.0  24493.0   4074.0
## 197   8251.0  23163.0   3787.0
## 198     -9.8     -5.4    -7.0
```

```
# Clean up column names and fill in empty rows with the state and region names
```

```
colnames(fbidata)<-c("Area","Year","Population","Violent Crime","Murder Manslaughter","Rape Revised Def
n=nrow(fbidata)
for(i in seq(from=1, to=nrow(fbidata), by=3))
{
  fbidata$Area[i+1]=fbidata$Area[i]
  fbidata$Area[i+2]=fbidata$Area[i]
}
# Calculate the percentage change and print the interim dataset
fbidata<-filter(fbidata,fbidata$Year!="Percent change")
fbidata
```

```
##           Area Year Population Violent Crime Murder Manslaughter
## 1   United States Total 2015  320896618      1234183      15883
## 2   United States Total 2016  323127513      1283058      17250
## 3       Northeast 2015   56184737      180474      1967
## 4       Northeast 2016   56209510      178244      1955
## 5     New England 2015   14710229      42121      326
## 6     New England 2016   14735525      41598      292
## 7     Connecticut 2015    3584730      7938      116
## 8     Connecticut 2016    3576452      8123      78
## 9           Maine 2015    1329453      1726      23
## 10          Maine 2016    1331479      1648      20
## 11 Massachusetts 2015    6784240      26453      131
## 12 Massachusetts 2016    6811779      25677      134
## 13 New Hampshire 2015    1330111      2692      15
## 14 New Hampshire 2016    1334795      2637      17
## 15 Rhode Island 2015    1055607      2565      31
## 16 Rhode Island 2016    1056426      2524      29
## 17 Vermont 2015      626088      747      10
## 18 Vermont 2016      624594      989      14
```



## 19	Middle Atlantic	2015	41474508	138353	1641
## 20	Middle Atlantic	2016	41473985	136646	1663
## 21	New Jersey	2015	8935421	22879	363
## 22	New Jersey	2016	8944469	21914	372
## 23	New York	2015	19747183	75126	613
## 24	New York	2016	19745289	74285	630
## 25	Pennsylvania	2015	12791904	40348	665
## 26	Pennsylvania	2016	12784227	40447	661
## 27	Midwest	2015	67838387	242893	3422
## 28	Midwest	2016	67941429	257109	3885
## 29	East North Central	2015	46742511	168762	2471
## 30	East North Central	2016	46755973	180827	2974
## 31	Illinois	2015	12839047	49755	754
## 32	Illinois	2016	12801539	55854	1054
## 33	Indiana	2015	6612768	25373	370
## 34	Indiana	2016	6633053	26845	439
## 35	Michigan	2015	9917715	41712	585
## 36	Michigan	2016	9928300	45572	598
## 37	Ohio	2015	11605090	34373	522
## 38	Ohio	2016	11614373	34877	654
## 39	Wisconsin	2015	5767891	17549	240
## 40	Wisconsin	2016	5778708	17679	229
## 41	West North Central	2015	21095876	74131	951
## 42	West North Central	2016	21185456	76282	911
## 43	Iowa	2015	3121997	8619	73
## 44	Iowa	2016	3134693	9110	71
## 45	Kansas	2015	2906721	11483	126
## 46	Kansas	2016	2907289	11060	111
## 47	Minnesota	2015	5482435	13319	133
## 48	Minnesota	2016	5519952	13394	101
## 49	Missouri	2015	6076204	30292	503
## 50	Missouri	2016	6093000	31644	537
## 51	Nebraska	2015	1893765	5167	62
## 52	Nebraska	2016	1907116	5550	49
## 53	North Dakota	2015	756835	1949	21
## 54	North Dakota	2016	757952	1903	15
## 55	South Dakota	2015	857919	3302	33
## 56	South Dakota	2016	865454	3621	27
## 57	South	2015	121039206	509043	7300
## 58	South	2016	122319574	526999	7961
## 59	South Atlantic	2015	63192408	256283	3824
## 60	South Atlantic	2016	63923309	258672	4077
## 61	Delaware	2015	944076	4760	62
## 62	Delaware	2016	952065	4844	56
## 63	District of Columbia	2015	670377	8538	162
## 64	District of Columbia	2016	681170	8214	139
## 65	Florida	2015	20244914	93625	1041
## 66	Florida	2016	20612439	88700	1111
## 67	Georgia	2015	10199398	38891	622
## 68	Georgia	2016	10310371	40990	681
## 69	Maryland	2015	5994983	28185	538
## 70	Maryland	2016	6016447	28400	481
## 71	North Carolina	2015	10035186	34734	517
## 72	North Carolina	2016	10146788	37769	678

## 73	South Carolina	2015	4894834	24448	407
## 74	South Carolina	2016	4961119	24896	366
## 75	Virginia	2015	8367587	16705	390
## 76	Virginia	2016	8411808	18302	484
## 77	West Virginia	2015	1841053	6397	85
## 78	West Virginia	2016	1831102	6557	81
## 79	East South Central	2015	18862932	81850	1238
## 80	East South Central	2016	18940194	86674	1391
## 81	Alabama	2015	4853875	22957	348
## 82	Alabama	2016	4863300	25886	407
## 83	Kentucky	2015	4424611	9887	219
## 84	Kentucky	2016	4436974	10308	260
## 85	Mississippi	2015	2989390	8190	253
## 86	Mississippi	2016	2988726	8383	238
## 87	Tennessee	2015	6595056	40816	418
## 88	Tennessee	2016	6651194	42097	486
## 89	West South Central	2015	38983866	170910	2238
## 90	West South Central	2016	39456071	181653	2493
## 91	Arkansas	2015	2977853	15769	189
## 92	Arkansas	2016	2988248	16461	216
## 93	Louisiana	2015	4668960	25202	492
## 94	Louisiana	2016	4681666	26502	554
## 95	Oklahoma	2015	3907414	16746	240
## 96	Oklahoma	2016	3923561	17648	245
## 97	Texas	2015	27429639	113193	1317
## 98	Texas	2016	27862596	121042	1478
## 99	West	2015	75834288	301773	3194
## 100	West	2016	76657000	320706	3449
## 101	Mountain	2015	23492558	94784	917
## 102	Mountain	2016	23855067	102674	1124
## 103	Arizona	2015	6817565	27968	306
## 104	Arizona	2016	6931071	32583	380
## 105	Colorado	2015	5448819	17348	173
## 106	Colorado	2016	5540545	18983	204
## 107	Idaho	2015	1652828	3593	32
## 108	Idaho	2016	1683140	3876	49
## 109	Montana	2015	1032073	3647	38
## 110	Montana	2016	1042520	3840	36
## 111	Nevada	2015	2883758	20118	178
## 112	Nevada	2016	2940058	19936	224
## 113	New Mexico	2015	2080328	13672	117
## 114	New Mexico	2016	2081015	14619	139
## 115	Utah	2015	2990632	7138	57
## 116	Utah	2016	3051217	7407	72
## 117	Wyoming	2015	586555	1300	16
## 118	Wyoming	2016	585501	1430	20
## 119	Pacific	2015	52341730	206989	2277
## 120	Pacific	2016	52801933	218032	2325
## 121	Alaska	2015	737709	5391	59
## 122	Alaska	2016	741894	5966	52
## 123	California	2015	38993940	166883	1861
## 124	California	2016	39250017	174796	1930
## 125	Hawaii	2015	1425157	3530	29
## 126	Hawaii	2016	1428557	4417	35

## 127	Oregon 2015	4024634	10680	110	
## 128	Oregon 2016	4093465	10830	113	
## 129	Washington 2015	7160290	20505	218	
## 130	Washington 2016	7288000	22023	195	
## 131	Puerto Rico 2015	3473181	7629	584	
## 132	Puerto Rico 2016	3411307	7643	679	
##	Rape Revised Def Rape Legacy Def Robbery Assault Property Crime				
## 1	126134	91261	328109	764057	8024115
## 2	130603	95730	332198	803007	7919035
## 3	16415	11912	56202	105890	951940
## 4	16651	12219	53033	106605	909897
## 5	4602	3374	9629	27564	257073
## 6	4505	3328	9407	27394	243769
## 7	798	585	2925	4099	65610
## 8	763	561	2703	4579	64664
## 9	461	337	311	931	24361
## 10	412	300	266	950	21912
## 11	2082	1538	5266	18974	114547
## 12	2128	1592	5365	18050	106339
## 13	644	468	475	1558	23453
## 14	582	423	427	1611	20194
## 15	467	342	547	1520	20038
## 16	442	328	540	1513	20058
## 17	150	104	105	482	9064
## 18	178	124	106	691	10602
## 19	11813	8538	46573	78326	694867
## 20	12146	8891	43626	79211	666128
## 21	1373	1019	9729	11414	145701
## 22	1453	1089	8984	11105	138152
## 23	6141	4414	23879	44493	317225
## 24	6260	4569	22316	45079	305181
## 25	4299	3105	12965	22419	231941
## 26	4433	3233	12326	23027	222795
## 27	30827	22395	62201	146443	1555516
## 28	31408	23080	64022	157794	1544531
## 29	21268	15455	47806	97217	1037945
## 30	22102	16199	49506	106245	1034762
## 31	4926	3602	15056	29019	256962
## 32	4908	3635	17827	32065	262306
## 33	2386	1757	7081	15536	171878
## 34	2501	1851	7330	16575	171759
## 35	6710	4782	7818	26599	191191
## 36	7125	5114	7120	30729	189620
## 37	5441	3990	12617	15793	303743
## 38	5589	4141	12523	16111	299357
## 39	1805	1324	5234	10270	114171
## 40	1979	1458	4706	10765	111720
## 41	9559	6940	14395	49226	517571
## 42	9306	6881	14516	51549	509769
## 43	1205	877	1050	6291	64688
## 44	1247	922	1148	6644	65391
## 45	1684	1226	1823	7850	80059
## 46	1312	971	1671	7966	78367
## 47	2321	1679	3771	7094	121984

## 48	2348	1731	3728	7217	117756
## 49	2573	1858	6383	20833	173788
## 50	2554	1884	6570	21983	170549
## 51	885	648	994	3226	42597
## 52	994	738	946	3561	43163
## 53	391	285	159	1378	17716
## 54	342	256	181	1365	17402
## 55	500	367	215	2554	16739
## 56	509	379	272	2813	17141
## 57	47277	33960	127149	327317	3393611
## 58	49246	35869	128842	340950	3343799
## 59	21620	15433	66792	164047	1721061
## 60	22333	16174	66402	165860	1692669
## 61	361	257	1240	3097	25545
## 62	308	221	1359	3121	26334
## 63	494	365	3746	4136	31444
## 64	532	401	3480	4063	32716
## 65	7552	5396	21137	63895	570270
## 66	7598	5528	20175	59816	553812
## 67	3257	2343	12545	22467	316013
## 68	3509	2528	12205	24595	309770
## 69	1717	1209	10111	15819	142547
## 70	1756	1266	10289	15874	137445
## 71	2591	1886	8821	22805	275915
## 72	2849	2086	9336	24906	277765
## 73	2439	1717	3950	17652	162830
## 74	2387	1711	4035	18108	160928
## 75	2499	1767	4459	9357	157803
## 76	2737	1965	4803	10278	156412
## 77	710	493	783	4819	38694
## 78	657	468	720	5099	37487
## 79	7640	5497	17737	55235	524162
## 80	7548	5455	18265	59470	513087
## 81	2037	1449	4612	15960	144785
## 82	1916	1385	4686	18877	143362
## 83	1644	1165	3314	4710	97545
## 84	1641	1174	3369	5038	97158
## 85	1158	851	2312	4467	85785
## 86	1277	905	2397	4471	82732
## 87	2801	2032	7499	30098	196047
## 88	2714	1991	7813	31084	189835
## 89	18017	13030	42620	108035	1148388
## 90	19365	14240	44175	115620	1138043
## 91	2008	1425	2117	11455	97391
## 92	2143	1545	2120	11982	97673
## 93	1733	1246	5561	17416	157708
## 94	1816	1328	5576	18556	154386
## 95	1953	1418	3018	11535	114055
## 96	2039	1509	3162	12202	117037
## 97	12323	8941	31924	67629	779234
## 98	13367	9858	33317	72880	768947
## 99	31615	22994	82557	184407	2123048
## 100	33298	24562	86301	197658	2120808
## 101	12938	9424	20236	60693	662713

## 102	13126	9689	21739	66685	675111
## 103	3109	2268	6360	18193	207184
## 104	3290	2452	7055	21858	206432
## 105	3328	2422	3315	10532	144044
## 106	3555	2619	3528	11696	151850
## 107	703	508	191	2667	28912
## 108	719	529	213	2895	29357
## 109	572	405	210	2827	27276
## 110	578	414	266	2960	27976
## 111	1688	1232	6287	11965	77137
## 112	1733	1292	6340	11639	76047
## 113	1663	1218	2485	9407	77212
## 114	1526	1117	2737	10217	81931
## 115	1704	1247	1329	4048	89797
## 116	1520	1116	1541	4274	90058
## 117	171	124	59	1054	11151
## 118	205	150	59	1146	11460
## 119	18677	13570	62321	123714	1460335
## 120	20172	14873	64562	130973	1445697
## 121	900	648	761	3671	20806
## 122	1053	757	850	4011	24876
## 123	12811	9341	52862	99349	1024914
## 124	13702	10149	54789	104375	1002070
## 125	538	382	1085	1878	45389
## 126	619	447	994	2769	42753
## 127	1650	1193	2163	6757	119752
## 128	1721	1261	2278	6718	121345
## 129	2778	2006	5450	12059	249474
## 130	3077	2259	5651	13100	254653
## 131	165	123	4070	2810	37717
## 132	169	128	3201	3594	35201
##	Burglary	Larceny	Motor	Theft	
## 1	1587564	5723488	713063		
## 2	1515096	5638455	765484		
## 3	157910	737087	56943		
## 4	142720	709721	57456		
## 5	46260	193051	17762		
## 6	42095	182985	18689		
## 7	10286	48898	6426		
## 8	10045	47512	7107		
## 9	4694	18853	814		
## 10	4003	17134	775		
## 11	21826	84676	8045		
## 12	19193	79088	8058		
## 13	3482	19076	895		
## 14	2963	16360	871		
## 15	3938	14714	1386		
## 16	3788	14674	1596		
## 17	2034	6834	196		
## 18	2103	8217	282		
## 19	111650	544036	39181		
## 20	100625	526736	38767		
## 21	27960	105963	11778		
## 22	25284	101540	11328		

## 23	44117	257837	15271
## 24	39821	250968	14392
## 25	39573	180236	12132
## 26	35520	174228	13047
## 27	307853	1125935	121728
## 28	300359	1112596	131576
## 29	211221	748309	78415
## 30	207962	742358	84442
## 31	46846	192424	17692
## 32	47989	194407	19910
## 33	34404	123940	13534
## 34	34097	122931	14731
## 35	40375	132019	18797
## 36	39568	129876	20176
## 37	69994	216354	17395
## 38	66883	212807	19667
## 39	19602	83572	10997
## 40	19425	82337	9958
## 41	96632	377626	43313
## 42	92397	370238	47134
## 43	14977	45328	4383
## 44	15030	45378	4983
## 45	15619	57435	7005
## 46	14364	57066	6937
## 47	19299	94704	7981
## 48	18606	90422	8728
## 49	34029	122749	17010
## 50	31710	120544	18295
## 51	6443	32148	4006
## 52	6444	31994	4725
## 53	3296	12686	1734
## 54	3243	12195	1964
## 55	2969	12576	1194
## 56	3000	12639	1502
## 57	719098	2422679	251834
## 58	684968	2391288	267543
## 59	352328	1246078	122655
## 60	330122	1234761	127786
## 61	4797	19555	1193
## 62	5023	19791	1520
## 63	2971	25208	3265
## 64	2361	27382	2973
## 65	109268	420341	40661
## 66	100325	410352	43135
## 67	68149	220715	27149
## 68	63344	219625	26801
## 69	26432	102701	13414
## 70	24692	100919	11834
## 71	74760	187732	13423
## 72	72082	190377	15306
## 73	34942	114778	13110
## 74	32976	114032	13920
## 75	21542	128064	8197
## 76	20018	126606	9788

## 77	9467	26984	2243
## 78	9301	25677	2509
## 79	126612	362030	35520
## 80	118565	353470	41052
## 81	35265	99182	10338
## 82	34065	97574	11723
## 83	22526	67143	7876
## 84	20834	66438	9886
## 85	25068	56446	4271
## 86	23354	55054	4324
## 87	43753	139259	13035
## 88	40312	134404	15119
## 89	240158	814571	93659
## 90	236281	803057	98705
## 91	22851	68720	5820
## 92	23771	66747	7155
## 93	35457	112520	9731
## 94	34667	109380	10339
## 95	28783	74678	10594
## 96	29103	75779	12155
## 97	153067	558653	67514
## 98	148740	551151	69056
## 99	402703	1437787	282558
## 100	387049	1424850	308909
## 101	125323	470974	66416
## 102	122629	474519	77963
## 103	38010	152388	16786
## 104	37736	150275	18421
## 105	23490	104532	16022
## 106	23903	108336	19611
## 107	6124	20916	1872
## 108	6318	20962	2077
## 109	3887	20966	2423
## 110	3934	21299	2743
## 111	22360	43426	11351
## 112	18850	44017	13180
## 113	17084	51485	8643
## 114	17281	52907	11743
## 115	12606	68464	8727
## 116	12836	67834	9388
## 117	1762	8797	592
## 118	1771	8889	800
## 119	277380	966813	216142
## 120	264420	950331	230946
## 121	3511	15249	2046
## 122	4053	17766	3057
## 123	197404	656517	170993
## 124	188304	637010	176756
## 125	6810	33140	5439
## 126	6017	31082	5654
## 127	18541	90514	10697
## 128	16866	91286	13193
## 129	51114	171393	26967
## 130	49180	173187	32286

```
## 131      9150    24493      4074
## 132      8251    23163      3787
```

```
# Tidy the wide dataset into a long dataset by introducing a new column showing the Type of Crime
crime.data<-gather(fbidata, key="Type of Crime", value=Count, 4:13)
crime.data$`Type of Crime`<-as.factor(crime.data$`Type of Crime`)
crime.data$RatePer100000<-round(crime.data$Count*100000/crime.data$Population,0)
```

```
# Remove unwanted variables
crimedata<-crime.data[c(-3,-5)]
crimedata
```

##		Area	Year	Type of Crime	RatePer100000
## 1	United States	Total	2015	Violent Crime	385
## 2	United States	Total	2016	Violent Crime	397
## 3		Northeast	2015	Violent Crime	321
## 4		Northeast	2016	Violent Crime	317
## 5		New England	2015	Violent Crime	286
## 6		New England	2016	Violent Crime	282
## 7		Connecticut	2015	Violent Crime	221
## 8		Connecticut	2016	Violent Crime	227
## 9		Maine	2015	Violent Crime	130
## 10		Maine	2016	Violent Crime	124
## 11		Massachusetts	2015	Violent Crime	390
## 12		Massachusetts	2016	Violent Crime	377
## 13		New Hampshire	2015	Violent Crime	202
## 14		New Hampshire	2016	Violent Crime	198
## 15		Rhode Island	2015	Violent Crime	243
## 16		Rhode Island	2016	Violent Crime	239
## 17		Vermont	2015	Violent Crime	119
## 18		Vermont	2016	Violent Crime	158
## 19		Middle Atlantic	2015	Violent Crime	334
## 20		Middle Atlantic	2016	Violent Crime	329
## 21		New Jersey	2015	Violent Crime	256
## 22		New Jersey	2016	Violent Crime	245
## 23		New York	2015	Violent Crime	380
## 24		New York	2016	Violent Crime	376
## 25		Pennsylvania	2015	Violent Crime	315
## 26		Pennsylvania	2016	Violent Crime	316
## 27		Midwest	2015	Violent Crime	358
## 28		Midwest	2016	Violent Crime	378
## 29		East North Central	2015	Violent Crime	361
## 30		East North Central	2016	Violent Crime	387
## 31		Illinois	2015	Violent Crime	388
## 32		Illinois	2016	Violent Crime	436
## 33		Indiana	2015	Violent Crime	384
## 34		Indiana	2016	Violent Crime	405
## 35		Michigan	2015	Violent Crime	421
## 36		Michigan	2016	Violent Crime	459
## 37		Ohio	2015	Violent Crime	296
## 38		Ohio	2016	Violent Crime	300
## 39		Wisconsin	2015	Violent Crime	304
## 40		Wisconsin	2016	Violent Crime	306
## 41		West North Central	2015	Violent Crime	351
## 42		West North Central	2016	Violent Crime	360



## 43	Iowa	2015	Violent Crime	276
## 44	Iowa	2016	Violent Crime	291
## 45	Kansas	2015	Violent Crime	395
## 46	Kansas	2016	Violent Crime	380
## 47	Minnesota	2015	Violent Crime	243
## 48	Minnesota	2016	Violent Crime	243
## 49	Missouri	2015	Violent Crime	499
## 50	Missouri	2016	Violent Crime	519
## 51	Nebraska	2015	Violent Crime	273
## 52	Nebraska	2016	Violent Crime	291
## 53	North Dakota	2015	Violent Crime	258
## 54	North Dakota	2016	Violent Crime	251
## 55	South Dakota	2015	Violent Crime	385
## 56	South Dakota	2016	Violent Crime	418
## 57	South	2015	Violent Crime	421
## 58	South	2016	Violent Crime	431
## 59	South Atlantic	2015	Violent Crime	406
## 60	South Atlantic	2016	Violent Crime	405
## 61	Delaware	2015	Violent Crime	504
## 62	Delaware	2016	Violent Crime	509
## 63	District of Columbia	2015	Violent Crime	1274
## 64	District of Columbia	2016	Violent Crime	1206
## 65	Florida	2015	Violent Crime	462
## 66	Florida	2016	Violent Crime	430
## 67	Georgia	2015	Violent Crime	381
## 68	Georgia	2016	Violent Crime	398
## 69	Maryland	2015	Violent Crime	470
## 70	Maryland	2016	Violent Crime	472
## 71	North Carolina	2015	Violent Crime	346
## 72	North Carolina	2016	Violent Crime	372
## 73	South Carolina	2015	Violent Crime	499
## 74	South Carolina	2016	Violent Crime	502
## 75	Virginia	2015	Violent Crime	200
## 76	Virginia	2016	Violent Crime	218
## 77	West Virginia	2015	Violent Crime	347
## 78	West Virginia	2016	Violent Crime	358
## 79	East South Central	2015	Violent Crime	434
## 80	East South Central	2016	Violent Crime	458
## 81	Alabama	2015	Violent Crime	473
## 82	Alabama	2016	Violent Crime	532
## 83	Kentucky	2015	Violent Crime	223
## 84	Kentucky	2016	Violent Crime	232
## 85	Mississippi	2015	Violent Crime	274
## 86	Mississippi	2016	Violent Crime	280
## 87	Tennessee	2015	Violent Crime	619
## 88	Tennessee	2016	Violent Crime	633
## 89	West South Central	2015	Violent Crime	438
## 90	West South Central	2016	Violent Crime	460
## 91	Arkansas	2015	Violent Crime	530
## 92	Arkansas	2016	Violent Crime	551
## 93	Louisiana	2015	Violent Crime	540
## 94	Louisiana	2016	Violent Crime	566
## 95	Oklahoma	2015	Violent Crime	429
## 96	Oklahoma	2016	Violent Crime	450

## 97	Texas	2015	Violent Crime	413
## 98	Texas	2016	Violent Crime	434
## 99	West	2015	Violent Crime	398
## 100	West	2016	Violent Crime	418
## 101	Mountain	2015	Violent Crime	403
## 102	Mountain	2016	Violent Crime	430
## 103	Arizona	2015	Violent Crime	410
## 104	Arizona	2016	Violent Crime	470
## 105	Colorado	2015	Violent Crime	318
## 106	Colorado	2016	Violent Crime	343
## 107	Idaho	2015	Violent Crime	217
## 108	Idaho	2016	Violent Crime	230
## 109	Montana	2015	Violent Crime	353
## 110	Montana	2016	Violent Crime	368
## 111	Nevada	2015	Violent Crime	698
## 112	Nevada	2016	Violent Crime	678
## 113	New Mexico	2015	Violent Crime	657
## 114	New Mexico	2016	Violent Crime	702
## 115	Utah	2015	Violent Crime	239
## 116	Utah	2016	Violent Crime	243
## 117	Wyoming	2015	Violent Crime	222
## 118	Wyoming	2016	Violent Crime	244
## 119	Pacific	2015	Violent Crime	395
## 120	Pacific	2016	Violent Crime	413
## 121	Alaska	2015	Violent Crime	731
## 122	Alaska	2016	Violent Crime	804
## 123	California	2015	Violent Crime	428
## 124	California	2016	Violent Crime	445
## 125	Hawaii	2015	Violent Crime	248
## 126	Hawaii	2016	Violent Crime	309
## 127	Oregon	2015	Violent Crime	265
## 128	Oregon	2016	Violent Crime	265
## 129	Washington	2015	Violent Crime	286
## 130	Washington	2016	Violent Crime	302
## 131	Puerto Rico	2015	Violent Crime	220
## 132	Puerto Rico	2016	Violent Crime	224
## 133	United States Total	2015	Murder Manslaughter	5
## 134	United States Total	2016	Murder Manslaughter	5
## 135	Northeast	2015	Murder Manslaughter	4
## 136	Northeast	2016	Murder Manslaughter	3
## 137	New England	2015	Murder Manslaughter	2
## 138	New England	2016	Murder Manslaughter	2
## 139	Connecticut	2015	Murder Manslaughter	3
## 140	Connecticut	2016	Murder Manslaughter	2
## 141	Maine	2015	Murder Manslaughter	2
## 142	Maine	2016	Murder Manslaughter	2
## 143	Massachusetts	2015	Murder Manslaughter	2
## 144	Massachusetts	2016	Murder Manslaughter	2
## 145	New Hampshire	2015	Murder Manslaughter	1
## 146	New Hampshire	2016	Murder Manslaughter	1
## 147	Rhode Island	2015	Murder Manslaughter	3
## 148	Rhode Island	2016	Murder Manslaughter	3
## 149	Vermont	2015	Murder Manslaughter	2
## 150	Vermont	2016	Murder Manslaughter	2

## 151	Middle Atlantic	2015	Murder	Manslaughter	4
## 152	Middle Atlantic	2016	Murder	Manslaughter	4
## 153	New Jersey	2015	Murder	Manslaughter	4
## 154	New Jersey	2016	Murder	Manslaughter	4
## 155	New York	2015	Murder	Manslaughter	3
## 156	New York	2016	Murder	Manslaughter	3
## 157	Pennsylvania	2015	Murder	Manslaughter	5
## 158	Pennsylvania	2016	Murder	Manslaughter	5
## 159	Midwest	2015	Murder	Manslaughter	5
## 160	Midwest	2016	Murder	Manslaughter	6
## 161	East North Central	2015	Murder	Manslaughter	5
## 162	East North Central	2016	Murder	Manslaughter	6
## 163	Illinois	2015	Murder	Manslaughter	6
## 164	Illinois	2016	Murder	Manslaughter	8
## 165	Indiana	2015	Murder	Manslaughter	6
## 166	Indiana	2016	Murder	Manslaughter	7
## 167	Michigan	2015	Murder	Manslaughter	6
## 168	Michigan	2016	Murder	Manslaughter	6
## 169	Ohio	2015	Murder	Manslaughter	4
## 170	Ohio	2016	Murder	Manslaughter	6
## 171	Wisconsin	2015	Murder	Manslaughter	4
## 172	Wisconsin	2016	Murder	Manslaughter	4
## 173	West North Central	2015	Murder	Manslaughter	5
## 174	West North Central	2016	Murder	Manslaughter	4
## 175	Iowa	2015	Murder	Manslaughter	2
## 176	Iowa	2016	Murder	Manslaughter	2
## 177	Kansas	2015	Murder	Manslaughter	4
## 178	Kansas	2016	Murder	Manslaughter	4
## 179	Minnesota	2015	Murder	Manslaughter	2
## 180	Minnesota	2016	Murder	Manslaughter	2
## 181	Missouri	2015	Murder	Manslaughter	8
## 182	Missouri	2016	Murder	Manslaughter	9
## 183	Nebraska	2015	Murder	Manslaughter	3
## 184	Nebraska	2016	Murder	Manslaughter	3
## 185	North Dakota	2015	Murder	Manslaughter	3
## 186	North Dakota	2016	Murder	Manslaughter	2
## 187	South Dakota	2015	Murder	Manslaughter	4
## 188	South Dakota	2016	Murder	Manslaughter	3
## 189	South	2015	Murder	Manslaughter	6
## 190	South	2016	Murder	Manslaughter	7
## 191	South Atlantic	2015	Murder	Manslaughter	6
## 192	South Atlantic	2016	Murder	Manslaughter	6
## 193	Delaware	2015	Murder	Manslaughter	7
## 194	Delaware	2016	Murder	Manslaughter	6
## 195	District of Columbia	2015	Murder	Manslaughter	24
## 196	District of Columbia	2016	Murder	Manslaughter	20
## 197	Florida	2015	Murder	Manslaughter	5
## 198	Florida	2016	Murder	Manslaughter	5
## 199	Georgia	2015	Murder	Manslaughter	6
## 200	Georgia	2016	Murder	Manslaughter	7
## 201	Maryland	2015	Murder	Manslaughter	9
## 202	Maryland	2016	Murder	Manslaughter	8
## 203	North Carolina	2015	Murder	Manslaughter	5
## 204	North Carolina	2016	Murder	Manslaughter	7

## 205	South Carolina	2015	Murder	Manslaughter	8
## 206	South Carolina	2016	Murder	Manslaughter	7
## 207	Virginia	2015	Murder	Manslaughter	5
## 208	Virginia	2016	Murder	Manslaughter	6
## 209	West Virginia	2015	Murder	Manslaughter	5
## 210	West Virginia	2016	Murder	Manslaughter	4
## 211	East South Central	2015	Murder	Manslaughter	7
## 212	East South Central	2016	Murder	Manslaughter	7
## 213	Alabama	2015	Murder	Manslaughter	7
## 214	Alabama	2016	Murder	Manslaughter	8
## 215	Kentucky	2015	Murder	Manslaughter	5
## 216	Kentucky	2016	Murder	Manslaughter	6
## 217	Mississippi	2015	Murder	Manslaughter	8
## 218	Mississippi	2016	Murder	Manslaughter	8
## 219	Tennessee	2015	Murder	Manslaughter	6
## 220	Tennessee	2016	Murder	Manslaughter	7
## 221	West South Central	2015	Murder	Manslaughter	6
## 222	West South Central	2016	Murder	Manslaughter	6
## 223	Arkansas	2015	Murder	Manslaughter	6
## 224	Arkansas	2016	Murder	Manslaughter	7
## 225	Louisiana	2015	Murder	Manslaughter	11
## 226	Louisiana	2016	Murder	Manslaughter	12
## 227	Oklahoma	2015	Murder	Manslaughter	6
## 228	Oklahoma	2016	Murder	Manslaughter	6
## 229	Texas	2015	Murder	Manslaughter	5
## 230	Texas	2016	Murder	Manslaughter	5
## 231	West	2015	Murder	Manslaughter	4
## 232	West	2016	Murder	Manslaughter	4
## 233	Mountain	2015	Murder	Manslaughter	4
## 234	Mountain	2016	Murder	Manslaughter	5
## 235	Arizona	2015	Murder	Manslaughter	4
## 236	Arizona	2016	Murder	Manslaughter	5
## 237	Colorado	2015	Murder	Manslaughter	3
## 238	Colorado	2016	Murder	Manslaughter	4
## 239	Idaho	2015	Murder	Manslaughter	2
## 240	Idaho	2016	Murder	Manslaughter	3
## 241	Montana	2015	Murder	Manslaughter	4
## 242	Montana	2016	Murder	Manslaughter	3
## 243	Nevada	2015	Murder	Manslaughter	6
## 244	Nevada	2016	Murder	Manslaughter	8
## 245	New Mexico	2015	Murder	Manslaughter	6
## 246	New Mexico	2016	Murder	Manslaughter	7
## 247	Utah	2015	Murder	Manslaughter	2
## 248	Utah	2016	Murder	Manslaughter	2
## 249	Wyoming	2015	Murder	Manslaughter	3
## 250	Wyoming	2016	Murder	Manslaughter	3
## 251	Pacific	2015	Murder	Manslaughter	4
## 252	Pacific	2016	Murder	Manslaughter	4
## 253	Alaska	2015	Murder	Manslaughter	8
## 254	Alaska	2016	Murder	Manslaughter	7
## 255	California	2015	Murder	Manslaughter	5
## 256	California	2016	Murder	Manslaughter	5
## 257	Hawaii	2015	Murder	Manslaughter	2
## 258	Hawaii	2016	Murder	Manslaughter	2

## 259	Oregon	2015	Murder	Manslaughter	3
## 260	Oregon	2016	Murder	Manslaughter	3
## 261	Washington	2015	Murder	Manslaughter	3
## 262	Washington	2016	Murder	Manslaughter	3
## 263	Puerto Rico	2015	Murder	Manslaughter	17
## 264	Puerto Rico	2016	Murder	Manslaughter	20
## 265	United States Total	2015	Rape	Revised Def	39
## 266	United States Total	2016	Rape	Revised Def	40
## 267	Northeast	2015	Rape	Revised Def	29
## 268	Northeast	2016	Rape	Revised Def	30
## 269	New England	2015	Rape	Revised Def	31
## 270	New England	2016	Rape	Revised Def	31
## 271	Connecticut	2015	Rape	Revised Def	22
## 272	Connecticut	2016	Rape	Revised Def	21
## 273	Maine	2015	Rape	Revised Def	35
## 274	Maine	2016	Rape	Revised Def	31
## 275	Massachusetts	2015	Rape	Revised Def	31
## 276	Massachusetts	2016	Rape	Revised Def	31
## 277	New Hampshire	2015	Rape	Revised Def	48
## 278	New Hampshire	2016	Rape	Revised Def	44
## 279	Rhode Island	2015	Rape	Revised Def	44
## 280	Rhode Island	2016	Rape	Revised Def	42
## 281	Vermont	2015	Rape	Revised Def	24
## 282	Vermont	2016	Rape	Revised Def	28
## 283	Middle Atlantic	2015	Rape	Revised Def	28
## 284	Middle Atlantic	2016	Rape	Revised Def	29
## 285	New Jersey	2015	Rape	Revised Def	15
## 286	New Jersey	2016	Rape	Revised Def	16
## 287	New York	2015	Rape	Revised Def	31
## 288	New York	2016	Rape	Revised Def	32
## 289	Pennsylvania	2015	Rape	Revised Def	34
## 290	Pennsylvania	2016	Rape	Revised Def	35
## 291	Midwest	2015	Rape	Revised Def	45
## 292	Midwest	2016	Rape	Revised Def	46
## 293	East North Central	2015	Rape	Revised Def	46
## 294	East North Central	2016	Rape	Revised Def	47
## 295	Illinois	2015	Rape	Revised Def	38
## 296	Illinois	2016	Rape	Revised Def	38
## 297	Indiana	2015	Rape	Revised Def	36
## 298	Indiana	2016	Rape	Revised Def	38
## 299	Michigan	2015	Rape	Revised Def	68
## 300	Michigan	2016	Rape	Revised Def	72
## 301	Ohio	2015	Rape	Revised Def	47
## 302	Ohio	2016	Rape	Revised Def	48
## 303	Wisconsin	2015	Rape	Revised Def	31
## 304	Wisconsin	2016	Rape	Revised Def	34
## 305	West North Central	2015	Rape	Revised Def	45
## 306	West North Central	2016	Rape	Revised Def	44
## 307	Iowa	2015	Rape	Revised Def	39
## 308	Iowa	2016	Rape	Revised Def	40
## 309	Kansas	2015	Rape	Revised Def	58
## 310	Kansas	2016	Rape	Revised Def	45
## 311	Minnesota	2015	Rape	Revised Def	42
## 312	Minnesota	2016	Rape	Revised Def	43

## 313	Missouri	2015	Rape Revised Def	42
## 314	Missouri	2016	Rape Revised Def	42
## 315	Nebraska	2015	Rape Revised Def	47
## 316	Nebraska	2016	Rape Revised Def	52
## 317	North Dakota	2015	Rape Revised Def	52
## 318	North Dakota	2016	Rape Revised Def	45
## 319	South Dakota	2015	Rape Revised Def	58
## 320	South Dakota	2016	Rape Revised Def	59
## 321	South	2015	Rape Revised Def	39
## 322	South	2016	Rape Revised Def	40
## 323	South Atlantic	2015	Rape Revised Def	34
## 324	South Atlantic	2016	Rape Revised Def	35
## 325	Delaware	2015	Rape Revised Def	38
## 326	Delaware	2016	Rape Revised Def	32
## 327	District of Columbia	2015	Rape Revised Def	74
## 328	District of Columbia	2016	Rape Revised Def	78
## 329	Florida	2015	Rape Revised Def	37
## 330	Florida	2016	Rape Revised Def	37
## 331	Georgia	2015	Rape Revised Def	32
## 332	Georgia	2016	Rape Revised Def	34
## 333	Maryland	2015	Rape Revised Def	29
## 334	Maryland	2016	Rape Revised Def	29
## 335	North Carolina	2015	Rape Revised Def	26
## 336	North Carolina	2016	Rape Revised Def	28
## 337	South Carolina	2015	Rape Revised Def	50
## 338	South Carolina	2016	Rape Revised Def	48
## 339	Virginia	2015	Rape Revised Def	30
## 340	Virginia	2016	Rape Revised Def	33
## 341	West Virginia	2015	Rape Revised Def	39
## 342	West Virginia	2016	Rape Revised Def	36
## 343	East South Central	2015	Rape Revised Def	41
## 344	East South Central	2016	Rape Revised Def	40
## 345	Alabama	2015	Rape Revised Def	42
## 346	Alabama	2016	Rape Revised Def	39
## 347	Kentucky	2015	Rape Revised Def	37
## 348	Kentucky	2016	Rape Revised Def	37
## 349	Mississippi	2015	Rape Revised Def	39
## 350	Mississippi	2016	Rape Revised Def	43
## 351	Tennessee	2015	Rape Revised Def	42
## 352	Tennessee	2016	Rape Revised Def	41
## 353	West South Central	2015	Rape Revised Def	46
## 354	West South Central	2016	Rape Revised Def	49
## 355	Arkansas	2015	Rape Revised Def	67
## 356	Arkansas	2016	Rape Revised Def	72
## 357	Louisiana	2015	Rape Revised Def	37
## 358	Louisiana	2016	Rape Revised Def	39
## 359	Oklahoma	2015	Rape Revised Def	50
## 360	Oklahoma	2016	Rape Revised Def	52
## 361	Texas	2015	Rape Revised Def	45
## 362	Texas	2016	Rape Revised Def	48
## 363	West	2015	Rape Revised Def	42
## 364	West	2016	Rape Revised Def	43
## 365	Mountain	2015	Rape Revised Def	55
## 366	Mountain	2016	Rape Revised Def	55

## 367	Arizona	2015	Rape Revised Def	46
## 368	Arizona	2016	Rape Revised Def	47
## 369	Colorado	2015	Rape Revised Def	61
## 370	Colorado	2016	Rape Revised Def	64
## 371	Idaho	2015	Rape Revised Def	43
## 372	Idaho	2016	Rape Revised Def	43
## 373	Montana	2015	Rape Revised Def	55
## 374	Montana	2016	Rape Revised Def	55
## 375	Nevada	2015	Rape Revised Def	59
## 376	Nevada	2016	Rape Revised Def	59
## 377	New Mexico	2015	Rape Revised Def	80
## 378	New Mexico	2016	Rape Revised Def	73
## 379	Utah	2015	Rape Revised Def	57
## 380	Utah	2016	Rape Revised Def	50
## 381	Wyoming	2015	Rape Revised Def	29
## 382	Wyoming	2016	Rape Revised Def	35
## 383	Pacific	2015	Rape Revised Def	36
## 384	Pacific	2016	Rape Revised Def	38
## 385	Alaska	2015	Rape Revised Def	122
## 386	Alaska	2016	Rape Revised Def	142
## 387	California	2015	Rape Revised Def	33
## 388	California	2016	Rape Revised Def	35
## 389	Hawaii	2015	Rape Revised Def	38
## 390	Hawaii	2016	Rape Revised Def	43
## 391	Oregon	2015	Rape Revised Def	41
## 392	Oregon	2016	Rape Revised Def	42
## 393	Washington	2015	Rape Revised Def	39
## 394	Washington	2016	Rape Revised Def	42
## 395	Puerto Rico	2015	Rape Revised Def	5
## 396	Puerto Rico	2016	Rape Revised Def	5
## 397	United States Total	2015	Rape Legacy Def	28
## 398	United States Total	2016	Rape Legacy Def	30
## 399	Northeast	2015	Rape Legacy Def	21
## 400	Northeast	2016	Rape Legacy Def	22
## 401	New England	2015	Rape Legacy Def	23
## 402	New England	2016	Rape Legacy Def	23
## 403	Connecticut	2015	Rape Legacy Def	16
## 404	Connecticut	2016	Rape Legacy Def	16
## 405	Maine	2015	Rape Legacy Def	25
## 406	Maine	2016	Rape Legacy Def	23
## 407	Massachusetts	2015	Rape Legacy Def	23
## 408	Massachusetts	2016	Rape Legacy Def	23
## 409	New Hampshire	2015	Rape Legacy Def	35
## 410	New Hampshire	2016	Rape Legacy Def	32
## 411	Rhode Island	2015	Rape Legacy Def	32
## 412	Rhode Island	2016	Rape Legacy Def	31
## 413	Vermont	2015	Rape Legacy Def	17
## 414	Vermont	2016	Rape Legacy Def	20
## 415	Middle Atlantic	2015	Rape Legacy Def	21
## 416	Middle Atlantic	2016	Rape Legacy Def	21
## 417	New Jersey	2015	Rape Legacy Def	11
## 418	New Jersey	2016	Rape Legacy Def	12
## 419	New York	2015	Rape Legacy Def	22
## 420	New York	2016	Rape Legacy Def	23

## 421	Pennsylvania	2015	Rape Legacy Def	24
## 422	Pennsylvania	2016	Rape Legacy Def	25
## 423	Midwest	2015	Rape Legacy Def	33
## 424	Midwest	2016	Rape Legacy Def	34
## 425	East North Central	2015	Rape Legacy Def	33
## 426	East North Central	2016	Rape Legacy Def	35
## 427	Illinois	2015	Rape Legacy Def	28
## 428	Illinois	2016	Rape Legacy Def	28
## 429	Indiana	2015	Rape Legacy Def	27
## 430	Indiana	2016	Rape Legacy Def	28
## 431	Michigan	2015	Rape Legacy Def	48
## 432	Michigan	2016	Rape Legacy Def	52
## 433	Ohio	2015	Rape Legacy Def	34
## 434	Ohio	2016	Rape Legacy Def	36
## 435	Wisconsin	2015	Rape Legacy Def	23
## 436	Wisconsin	2016	Rape Legacy Def	25
## 437	West North Central	2015	Rape Legacy Def	33
## 438	West North Central	2016	Rape Legacy Def	32
## 439	Iowa	2015	Rape Legacy Def	28
## 440	Iowa	2016	Rape Legacy Def	29
## 441	Kansas	2015	Rape Legacy Def	42
## 442	Kansas	2016	Rape Legacy Def	33
## 443	Minnesota	2015	Rape Legacy Def	31
## 444	Minnesota	2016	Rape Legacy Def	31
## 445	Missouri	2015	Rape Legacy Def	31
## 446	Missouri	2016	Rape Legacy Def	31
## 447	Nebraska	2015	Rape Legacy Def	34
## 448	Nebraska	2016	Rape Legacy Def	39
## 449	North Dakota	2015	Rape Legacy Def	38
## 450	North Dakota	2016	Rape Legacy Def	34
## 451	South Dakota	2015	Rape Legacy Def	43
## 452	South Dakota	2016	Rape Legacy Def	44
## 453	South	2015	Rape Legacy Def	28
## 454	South	2016	Rape Legacy Def	29
## 455	South Atlantic	2015	Rape Legacy Def	24
## 456	South Atlantic	2016	Rape Legacy Def	25
## 457	Delaware	2015	Rape Legacy Def	27
## 458	Delaware	2016	Rape Legacy Def	23
## 459	District of Columbia	2015	Rape Legacy Def	54
## 460	District of Columbia	2016	Rape Legacy Def	59
## 461	Florida	2015	Rape Legacy Def	27
## 462	Florida	2016	Rape Legacy Def	27
## 463	Georgia	2015	Rape Legacy Def	23
## 464	Georgia	2016	Rape Legacy Def	25
## 465	Maryland	2015	Rape Legacy Def	20
## 466	Maryland	2016	Rape Legacy Def	21
## 467	North Carolina	2015	Rape Legacy Def	19
## 468	North Carolina	2016	Rape Legacy Def	21
## 469	South Carolina	2015	Rape Legacy Def	35
## 470	South Carolina	2016	Rape Legacy Def	34
## 471	Virginia	2015	Rape Legacy Def	21
## 472	Virginia	2016	Rape Legacy Def	23
## 473	West Virginia	2015	Rape Legacy Def	27
## 474	West Virginia	2016	Rape Legacy Def	26



## 475	East South Central	2015	Rape Legacy Def	29
## 476	East South Central	2016	Rape Legacy Def	29
## 477	Alabama	2015	Rape Legacy Def	30
## 478	Alabama	2016	Rape Legacy Def	28
## 479	Kentucky	2015	Rape Legacy Def	26
## 480	Kentucky	2016	Rape Legacy Def	26
## 481	Mississippi	2015	Rape Legacy Def	28
## 482	Mississippi	2016	Rape Legacy Def	30
## 483	Tennessee	2015	Rape Legacy Def	31
## 484	Tennessee	2016	Rape Legacy Def	30
## 485	West South Central	2015	Rape Legacy Def	33
## 486	West South Central	2016	Rape Legacy Def	36
## 487	Arkansas	2015	Rape Legacy Def	48
## 488	Arkansas	2016	Rape Legacy Def	52
## 489	Louisiana	2015	Rape Legacy Def	27
## 490	Louisiana	2016	Rape Legacy Def	28
## 491	Oklahoma	2015	Rape Legacy Def	36
## 492	Oklahoma	2016	Rape Legacy Def	38
## 493	Texas	2015	Rape Legacy Def	33
## 494	Texas	2016	Rape Legacy Def	35
## 495	West	2015	Rape Legacy Def	30
## 496	West	2016	Rape Legacy Def	32
## 497	Mountain	2015	Rape Legacy Def	40
## 498	Mountain	2016	Rape Legacy Def	41
## 499	Arizona	2015	Rape Legacy Def	33
## 500	Arizona	2016	Rape Legacy Def	35
## 501	Colorado	2015	Rape Legacy Def	44
## 502	Colorado	2016	Rape Legacy Def	47
## 503	Idaho	2015	Rape Legacy Def	31
## 504	Idaho	2016	Rape Legacy Def	31
## 505	Montana	2015	Rape Legacy Def	39
## 506	Montana	2016	Rape Legacy Def	40
## 507	Nevada	2015	Rape Legacy Def	43
## 508	Nevada	2016	Rape Legacy Def	44
## 509	New Mexico	2015	Rape Legacy Def	59
## 510	New Mexico	2016	Rape Legacy Def	54
## 511	Utah	2015	Rape Legacy Def	42
## 512	Utah	2016	Rape Legacy Def	37
## 513	Wyoming	2015	Rape Legacy Def	21
## 514	Wyoming	2016	Rape Legacy Def	26
## 515	Pacific	2015	Rape Legacy Def	26
## 516	Pacific	2016	Rape Legacy Def	28
## 517	Alaska	2015	Rape Legacy Def	88
## 518	Alaska	2016	Rape Legacy Def	102
## 519	California	2015	Rape Legacy Def	24
## 520	California	2016	Rape Legacy Def	26
## 521	Hawaii	2015	Rape Legacy Def	27
## 522	Hawaii	2016	Rape Legacy Def	31
## 523	Oregon	2015	Rape Legacy Def	30
## 524	Oregon	2016	Rape Legacy Def	31
## 525	Washington	2015	Rape Legacy Def	28
## 526	Washington	2016	Rape Legacy Def	31
## 527	Puerto Rico	2015	Rape Legacy Def	4
## 528	Puerto Rico	2016	Rape Legacy Def	4

## 529	United States Total	2015	Robbery	102
## 530	United States Total	2016	Robbery	103
## 531	Northeast	2015	Robbery	100
## 532	Northeast	2016	Robbery	94
## 533	New England	2015	Robbery	65
## 534	New England	2016	Robbery	64
## 535	Connecticut	2015	Robbery	82
## 536	Connecticut	2016	Robbery	76
## 537	Maine	2015	Robbery	23
## 538	Maine	2016	Robbery	20
## 539	Massachusetts	2015	Robbery	78
## 540	Massachusetts	2016	Robbery	79
## 541	New Hampshire	2015	Robbery	36
## 542	New Hampshire	2016	Robbery	32
## 543	Rhode Island	2015	Robbery	52
## 544	Rhode Island	2016	Robbery	51
## 545	Vermont	2015	Robbery	17
## 546	Vermont	2016	Robbery	17
## 547	Middle Atlantic	2015	Robbery	112
## 548	Middle Atlantic	2016	Robbery	105
## 549	New Jersey	2015	Robbery	109
## 550	New Jersey	2016	Robbery	100
## 551	New York	2015	Robbery	121
## 552	New York	2016	Robbery	113
## 553	Pennsylvania	2015	Robbery	101
## 554	Pennsylvania	2016	Robbery	96
## 555	Midwest	2015	Robbery	92
## 556	Midwest	2016	Robbery	94
## 557	East North Central	2015	Robbery	102
## 558	East North Central	2016	Robbery	106
## 559	Illinois	2015	Robbery	117
## 560	Illinois	2016	Robbery	139
## 561	Indiana	2015	Robbery	107
## 562	Indiana	2016	Robbery	111
## 563	Michigan	2015	Robbery	79
## 564	Michigan	2016	Robbery	72
## 565	Ohio	2015	Robbery	109
## 566	Ohio	2016	Robbery	108
## 567	Wisconsin	2015	Robbery	91
## 568	Wisconsin	2016	Robbery	81
## 569	West North Central	2015	Robbery	68
## 570	West North Central	2016	Robbery	69
## 571	Iowa	2015	Robbery	34
## 572	Iowa	2016	Robbery	37
## 573	Kansas	2015	Robbery	63
## 574	Kansas	2016	Robbery	57
## 575	Minnesota	2015	Robbery	69
## 576	Minnesota	2016	Robbery	68
## 577	Missouri	2015	Robbery	105
## 578	Missouri	2016	Robbery	108
## 579	Nebraska	2015	Robbery	52
## 580	Nebraska	2016	Robbery	50
## 581	North Dakota	2015	Robbery	21
## 582	North Dakota	2016	Robbery	24

## 583	South Dakota	2015	Robbery	25
## 584	South Dakota	2016	Robbery	31
## 585	South	2015	Robbery	105
## 586	South	2016	Robbery	105
## 587	South Atlantic	2015	Robbery	106
## 588	South Atlantic	2016	Robbery	104
## 589	Delaware	2015	Robbery	131
## 590	Delaware	2016	Robbery	143
## 591	District of Columbia	2015	Robbery	559
## 592	District of Columbia	2016	Robbery	511
## 593	Florida	2015	Robbery	104
## 594	Florida	2016	Robbery	98
## 595	Georgia	2015	Robbery	123
## 596	Georgia	2016	Robbery	118
## 597	Maryland	2015	Robbery	169
## 598	Maryland	2016	Robbery	171
## 599	North Carolina	2015	Robbery	88
## 600	North Carolina	2016	Robbery	92
## 601	South Carolina	2015	Robbery	81
## 602	South Carolina	2016	Robbery	81
## 603	Virginia	2015	Robbery	53
## 604	Virginia	2016	Robbery	57
## 605	West Virginia	2015	Robbery	43
## 606	West Virginia	2016	Robbery	39
## 607	East South Central	2015	Robbery	94
## 608	East South Central	2016	Robbery	96
## 609	Alabama	2015	Robbery	95
## 610	Alabama	2016	Robbery	96
## 611	Kentucky	2015	Robbery	75
## 612	Kentucky	2016	Robbery	76
## 613	Mississippi	2015	Robbery	77
## 614	Mississippi	2016	Robbery	80
## 615	Tennessee	2015	Robbery	114
## 616	Tennessee	2016	Robbery	117
## 617	West South Central	2015	Robbery	109
## 618	West South Central	2016	Robbery	112
## 619	Arkansas	2015	Robbery	71
## 620	Arkansas	2016	Robbery	71
## 621	Louisiana	2015	Robbery	119
## 622	Louisiana	2016	Robbery	119
## 623	Oklahoma	2015	Robbery	77
## 624	Oklahoma	2016	Robbery	81
## 625	Texas	2015	Robbery	116
## 626	Texas	2016	Robbery	120
## 627	West	2015	Robbery	109
## 628	West	2016	Robbery	113
## 629	Mountain	2015	Robbery	86
## 630	Mountain	2016	Robbery	91
## 631	Arizona	2015	Robbery	93
## 632	Arizona	2016	Robbery	102
## 633	Colorado	2015	Robbery	61
## 634	Colorado	2016	Robbery	64
## 635	Idaho	2015	Robbery	12
## 636	Idaho	2016	Robbery	13

## 637	Montana 2015	Robbery	20
## 638	Montana 2016	Robbery	26
## 639	Nevada 2015	Robbery	218
## 640	Nevada 2016	Robbery	216
## 641	New Mexico 2015	Robbery	119
## 642	New Mexico 2016	Robbery	132
## 643	Utah 2015	Robbery	44
## 644	Utah 2016	Robbery	51
## 645	Wyoming 2015	Robbery	10
## 646	Wyoming 2016	Robbery	10
## 647	Pacific 2015	Robbery	119
## 648	Pacific 2016	Robbery	122
## 649	Alaska 2015	Robbery	103
## 650	Alaska 2016	Robbery	115
## 651	California 2015	Robbery	136
## 652	California 2016	Robbery	140
## 653	Hawaii 2015	Robbery	76
## 654	Hawaii 2016	Robbery	70
## 655	Oregon 2015	Robbery	54
## 656	Oregon 2016	Robbery	56
## 657	Washington 2015	Robbery	76
## 658	Washington 2016	Robbery	78
## 659	Puerto Rico 2015	Robbery	117
## 660	Puerto Rico 2016	Robbery	94
## 661	United States Total 2015	Assault	238
## 662	United States Total 2016	Assault	249
## 663	Northeast 2015	Assault	188
## 664	Northeast 2016	Assault	190
## 665	New England 2015	Assault	187
## 666	New England 2016	Assault	186
## 667	Connecticut 2015	Assault	114
## 668	Connecticut 2016	Assault	128
## 669	Maine 2015	Assault	70
## 670	Maine 2016	Assault	71
## 671	Massachusetts 2015	Assault	280
## 672	Massachusetts 2016	Assault	265
## 673	New Hampshire 2015	Assault	117
## 674	New Hampshire 2016	Assault	121
## 675	Rhode Island 2015	Assault	144
## 676	Rhode Island 2016	Assault	143
## 677	Vermont 2015	Assault	77
## 678	Vermont 2016	Assault	111
## 679	Middle Atlantic 2015	Assault	189
## 680	Middle Atlantic 2016	Assault	191
## 681	New Jersey 2015	Assault	128
## 682	New Jersey 2016	Assault	124
## 683	New York 2015	Assault	225
## 684	New York 2016	Assault	228
## 685	Pennsylvania 2015	Assault	175
## 686	Pennsylvania 2016	Assault	180
## 687	Midwest 2015	Assault	216
## 688	Midwest 2016	Assault	232
## 689	East North Central 2015	Assault	208
## 690	East North Central 2016	Assault	227

## 691	Illinois	2015	Assault	226
## 692	Illinois	2016	Assault	250
## 693	Indiana	2015	Assault	235
## 694	Indiana	2016	Assault	250
## 695	Michigan	2015	Assault	268
## 696	Michigan	2016	Assault	310
## 697	Ohio	2015	Assault	136
## 698	Ohio	2016	Assault	139
## 699	Wisconsin	2015	Assault	178
## 700	Wisconsin	2016	Assault	186
## 701	West North Central	2015	Assault	233
## 702	West North Central	2016	Assault	243
## 703	Iowa	2015	Assault	202
## 704	Iowa	2016	Assault	212
## 705	Kansas	2015	Assault	270
## 706	Kansas	2016	Assault	274
## 707	Minnesota	2015	Assault	129
## 708	Minnesota	2016	Assault	131
## 709	Missouri	2015	Assault	343
## 710	Missouri	2016	Assault	361
## 711	Nebraska	2015	Assault	170
## 712	Nebraska	2016	Assault	187
## 713	North Dakota	2015	Assault	182
## 714	North Dakota	2016	Assault	180
## 715	South Dakota	2015	Assault	298
## 716	South Dakota	2016	Assault	325
## 717	South	2015	Assault	270
## 718	South	2016	Assault	279
## 719	South Atlantic	2015	Assault	260
## 720	South Atlantic	2016	Assault	259
## 721	Delaware	2015	Assault	328
## 722	Delaware	2016	Assault	328
## 723	District of Columbia	2015	Assault	617
## 724	District of Columbia	2016	Assault	596
## 725	Florida	2015	Assault	316
## 726	Florida	2016	Assault	290
## 727	Georgia	2015	Assault	220
## 728	Georgia	2016	Assault	239
## 729	Maryland	2015	Assault	264
## 730	Maryland	2016	Assault	264
## 731	North Carolina	2015	Assault	227
## 732	North Carolina	2016	Assault	245
## 733	South Carolina	2015	Assault	361
## 734	South Carolina	2016	Assault	365
## 735	Virginia	2015	Assault	112
## 736	Virginia	2016	Assault	122
## 737	West Virginia	2015	Assault	262
## 738	West Virginia	2016	Assault	278
## 739	East South Central	2015	Assault	293
## 740	East South Central	2016	Assault	314
## 741	Alabama	2015	Assault	329
## 742	Alabama	2016	Assault	388
## 743	Kentucky	2015	Assault	106
## 744	Kentucky	2016	Assault	114

## 745	Mississippi	2015	Assault	149
## 746	Mississippi	2016	Assault	150
## 747	Tennessee	2015	Assault	456
## 748	Tennessee	2016	Assault	467
## 749	West South Central	2015	Assault	277
## 750	West South Central	2016	Assault	293
## 751	Arkansas	2015	Assault	385
## 752	Arkansas	2016	Assault	401
## 753	Louisiana	2015	Assault	373
## 754	Louisiana	2016	Assault	396
## 755	Oklahoma	2015	Assault	295
## 756	Oklahoma	2016	Assault	311
## 757	Texas	2015	Assault	247
## 758	Texas	2016	Assault	262
## 759	West	2015	Assault	243
## 760	West	2016	Assault	258
## 761	Mountain	2015	Assault	258
## 762	Mountain	2016	Assault	280
## 763	Arizona	2015	Assault	267
## 764	Arizona	2016	Assault	315
## 765	Colorado	2015	Assault	193
## 766	Colorado	2016	Assault	211
## 767	Idaho	2015	Assault	161
## 768	Idaho	2016	Assault	172
## 769	Montana	2015	Assault	274
## 770	Montana	2016	Assault	284
## 771	Nevada	2015	Assault	415
## 772	Nevada	2016	Assault	396
## 773	New Mexico	2015	Assault	452
## 774	New Mexico	2016	Assault	491
## 775	Utah	2015	Assault	135
## 776	Utah	2016	Assault	140
## 777	Wyoming	2015	Assault	180
## 778	Wyoming	2016	Assault	196
## 779	Pacific	2015	Assault	236
## 780	Pacific	2016	Assault	248
## 781	Alaska	2015	Assault	498
## 782	Alaska	2016	Assault	541
## 783	California	2015	Assault	255
## 784	California	2016	Assault	266
## 785	Hawaii	2015	Assault	132
## 786	Hawaii	2016	Assault	194
## 787	Oregon	2015	Assault	168
## 788	Oregon	2016	Assault	164
## 789	Washington	2015	Assault	168
## 790	Washington	2016	Assault	180
## 791	Puerto Rico	2015	Assault	81
## 792	Puerto Rico	2016	Assault	105
## 793	United States Total	2015	Property Crime	2501
## 794	United States Total	2016	Property Crime	2451
## 795	Northeast	2015	Property Crime	1694
## 796	Northeast	2016	Property Crime	1619
## 797	New England	2015	Property Crime	1748
## 798	New England	2016	Property Crime	1654

## 799	Connecticut	2015	Property Crime	1830
## 800	Connecticut	2016	Property Crime	1808
## 801	Maine	2015	Property Crime	1832
## 802	Maine	2016	Property Crime	1646
## 803	Massachusetts	2015	Property Crime	1688
## 804	Massachusetts	2016	Property Crime	1561
## 805	New Hampshire	2015	Property Crime	1763
## 806	New Hampshire	2016	Property Crime	1513
## 807	Rhode Island	2015	Property Crime	1898
## 808	Rhode Island	2016	Property Crime	1899
## 809	Vermont	2015	Property Crime	1448
## 810	Vermont	2016	Property Crime	1697
## 811	Middle Atlantic	2015	Property Crime	1675
## 812	Middle Atlantic	2016	Property Crime	1606
## 813	New Jersey	2015	Property Crime	1631
## 814	New Jersey	2016	Property Crime	1545
## 815	New York	2015	Property Crime	1606
## 816	New York	2016	Property Crime	1546
## 817	Pennsylvania	2015	Property Crime	1813
## 818	Pennsylvania	2016	Property Crime	1743
## 819	Midwest	2015	Property Crime	2293
## 820	Midwest	2016	Property Crime	2273
## 821	East North Central	2015	Property Crime	2221
## 822	East North Central	2016	Property Crime	2213
## 823	Illinois	2015	Property Crime	2001
## 824	Illinois	2016	Property Crime	2049
## 825	Indiana	2015	Property Crime	2599
## 826	Indiana	2016	Property Crime	2589
## 827	Michigan	2015	Property Crime	1928
## 828	Michigan	2016	Property Crime	1910
## 829	Ohio	2015	Property Crime	2617
## 830	Ohio	2016	Property Crime	2577
## 831	Wisconsin	2015	Property Crime	1979
## 832	Wisconsin	2016	Property Crime	1933
## 833	West North Central	2015	Property Crime	2453
## 834	West North Central	2016	Property Crime	2406
## 835	Iowa	2015	Property Crime	2072
## 836	Iowa	2016	Property Crime	2086
## 837	Kansas	2015	Property Crime	2754
## 838	Kansas	2016	Property Crime	2696
## 839	Minnesota	2015	Property Crime	2225
## 840	Minnesota	2016	Property Crime	2133
## 841	Missouri	2015	Property Crime	2860
## 842	Missouri	2016	Property Crime	2799
## 843	Nebraska	2015	Property Crime	2249
## 844	Nebraska	2016	Property Crime	2263
## 845	North Dakota	2015	Property Crime	2341
## 846	North Dakota	2016	Property Crime	2296
## 847	South Dakota	2015	Property Crime	1951
## 848	South Dakota	2016	Property Crime	1981
## 849	South	2015	Property Crime	2804
## 850	South	2016	Property Crime	2734
## 851	South Atlantic	2015	Property Crime	2724
## 852	South Atlantic	2016	Property Crime	2648

## 853	Delaware	2015	Property Crime	2706
## 854	Delaware	2016	Property Crime	2766
## 855	District of Columbia	2015	Property Crime	4690
## 856	District of Columbia	2016	Property Crime	4803
## 857	Florida	2015	Property Crime	2817
## 858	Florida	2016	Property Crime	2687
## 859	Georgia	2015	Property Crime	3098
## 860	Georgia	2016	Property Crime	3004
## 861	Maryland	2015	Property Crime	2378
## 862	Maryland	2016	Property Crime	2284
## 863	North Carolina	2015	Property Crime	2749
## 864	North Carolina	2016	Property Crime	2737
## 865	South Carolina	2015	Property Crime	3327
## 866	South Carolina	2016	Property Crime	3244
## 867	Virginia	2015	Property Crime	1886
## 868	Virginia	2016	Property Crime	1859
## 869	West Virginia	2015	Property Crime	2102
## 870	West Virginia	2016	Property Crime	2047
## 871	East South Central	2015	Property Crime	2779
## 872	East South Central	2016	Property Crime	2709
## 873	Alabama	2015	Property Crime	2983
## 874	Alabama	2016	Property Crime	2948
## 875	Kentucky	2015	Property Crime	2205
## 876	Kentucky	2016	Property Crime	2190
## 877	Mississippi	2015	Property Crime	2870
## 878	Mississippi	2016	Property Crime	2768
## 879	Tennessee	2015	Property Crime	2973
## 880	Tennessee	2016	Property Crime	2854
## 881	West South Central	2015	Property Crime	2946
## 882	West South Central	2016	Property Crime	2884
## 883	Arkansas	2015	Property Crime	3271
## 884	Arkansas	2016	Property Crime	3269
## 885	Louisiana	2015	Property Crime	3378
## 886	Louisiana	2016	Property Crime	3298
## 887	Oklahoma	2015	Property Crime	2919
## 888	Oklahoma	2016	Property Crime	2983
## 889	Texas	2015	Property Crime	2841
## 890	Texas	2016	Property Crime	2760
## 891	West	2015	Property Crime	2800
## 892	West	2016	Property Crime	2767
## 893	Mountain	2015	Property Crime	2821
## 894	Mountain	2016	Property Crime	2830
## 895	Arizona	2015	Property Crime	3039
## 896	Arizona	2016	Property Crime	2978
## 897	Colorado	2015	Property Crime	2644
## 898	Colorado	2016	Property Crime	2741
## 899	Idaho	2015	Property Crime	1749
## 900	Idaho	2016	Property Crime	1744
## 901	Montana	2015	Property Crime	2643
## 902	Montana	2016	Property Crime	2683
## 903	Nevada	2015	Property Crime	2675
## 904	Nevada	2016	Property Crime	2587
## 905	New Mexico	2015	Property Crime	3712
## 906	New Mexico	2016	Property Crime	3937



## 907	Utah	2015	Property Crime	3003
## 908	Utah	2016	Property Crime	2952
## 909	Wyoming	2015	Property Crime	1901
## 910	Wyoming	2016	Property Crime	1957
## 911	Pacific	2015	Property Crime	2790
## 912	Pacific	2016	Property Crime	2738
## 913	Alaska	2015	Property Crime	2820
## 914	Alaska	2016	Property Crime	3353
## 915	California	2015	Property Crime	2628
## 916	California	2016	Property Crime	2553
## 917	Hawaii	2015	Property Crime	3185
## 918	Hawaii	2016	Property Crime	2993
## 919	Oregon	2015	Property Crime	2975
## 920	Oregon	2016	Property Crime	2964
## 921	Washington	2015	Property Crime	3484
## 922	Washington	2016	Property Crime	3494
## 923	Puerto Rico	2015	Property Crime	1086
## 924	Puerto Rico	2016	Property Crime	1032
## 925	United States Total	2015	Burglary	495
## 926	United States Total	2016	Burglary	469
## 927	Northeast	2015	Burglary	281
## 928	Northeast	2016	Burglary	254
## 929	New England	2015	Burglary	314
## 930	New England	2016	Burglary	286
## 931	Connecticut	2015	Burglary	287
## 932	Connecticut	2016	Burglary	281
## 933	Maine	2015	Burglary	353
## 934	Maine	2016	Burglary	301
## 935	Massachusetts	2015	Burglary	322
## 936	Massachusetts	2016	Burglary	282
## 937	New Hampshire	2015	Burglary	262
## 938	New Hampshire	2016	Burglary	222
## 939	Rhode Island	2015	Burglary	373
## 940	Rhode Island	2016	Burglary	359
## 941	Vermont	2015	Burglary	325
## 942	Vermont	2016	Burglary	337
## 943	Middle Atlantic	2015	Burglary	269
## 944	Middle Atlantic	2016	Burglary	243
## 945	New Jersey	2015	Burglary	313
## 946	New Jersey	2016	Burglary	283
## 947	New York	2015	Burglary	223
## 948	New York	2016	Burglary	202
## 949	Pennsylvania	2015	Burglary	309
## 950	Pennsylvania	2016	Burglary	278
## 951	Midwest	2015	Burglary	454
## 952	Midwest	2016	Burglary	442
## 953	East North Central	2015	Burglary	452
## 954	East North Central	2016	Burglary	445
## 955	Illinois	2015	Burglary	365
## 956	Illinois	2016	Burglary	375
## 957	Indiana	2015	Burglary	520
## 958	Indiana	2016	Burglary	514
## 959	Michigan	2015	Burglary	407
## 960	Michigan	2016	Burglary	399

## 961	Ohio	2015	Burglary	603
## 962	Ohio	2016	Burglary	576
## 963	Wisconsin	2015	Burglary	340
## 964	Wisconsin	2016	Burglary	336
## 965	West North Central	2015	Burglary	458
## 966	West North Central	2016	Burglary	436
## 967	Iowa	2015	Burglary	480
## 968	Iowa	2016	Burglary	479
## 969	Kansas	2015	Burglary	537
## 970	Kansas	2016	Burglary	494
## 971	Minnesota	2015	Burglary	352
## 972	Minnesota	2016	Burglary	337
## 973	Missouri	2015	Burglary	560
## 974	Missouri	2016	Burglary	520
## 975	Nebraska	2015	Burglary	340
## 976	Nebraska	2016	Burglary	338
## 977	North Dakota	2015	Burglary	435
## 978	North Dakota	2016	Burglary	428
## 979	South Dakota	2015	Burglary	346
## 980	South Dakota	2016	Burglary	347
## 981	South	2015	Burglary	594
## 982	South	2016	Burglary	560
## 983	South Atlantic	2015	Burglary	558
## 984	South Atlantic	2016	Burglary	516
## 985	Delaware	2015	Burglary	508
## 986	Delaware	2016	Burglary	528
## 987	District of Columbia	2015	Burglary	443
## 988	District of Columbia	2016	Burglary	347
## 989	Florida	2015	Burglary	540
## 990	Florida	2016	Burglary	487
## 991	Georgia	2015	Burglary	668
## 992	Georgia	2016	Burglary	614
## 993	Maryland	2015	Burglary	441
## 994	Maryland	2016	Burglary	410
## 995	North Carolina	2015	Burglary	745
## 996	North Carolina	2016	Burglary	710
## 997	South Carolina	2015	Burglary	714
## 998	South Carolina	2016	Burglary	665
## 999	Virginia	2015	Burglary	257
## 1000	Virginia	2016	Burglary	238
## 1001	West Virginia	2015	Burglary	514
## 1002	West Virginia	2016	Burglary	508
## 1003	East South Central	2015	Burglary	671
## 1004	East South Central	2016	Burglary	626
## 1005	Alabama	2015	Burglary	727
## 1006	Alabama	2016	Burglary	700
## 1007	Kentucky	2015	Burglary	509
## 1008	Kentucky	2016	Burglary	470
## 1009	Mississippi	2015	Burglary	839
## 1010	Mississippi	2016	Burglary	781
## 1011	Tennessee	2015	Burglary	663
## 1012	Tennessee	2016	Burglary	606
## 1013	West South Central	2015	Burglary	616
## 1014	West South Central	2016	Burglary	599

## 1015	Arkansas	2015	Burglary	767
## 1016	Arkansas	2016	Burglary	795
## 1017	Louisiana	2015	Burglary	759
## 1018	Louisiana	2016	Burglary	740
## 1019	Oklahoma	2015	Burglary	737
## 1020	Oklahoma	2016	Burglary	742
## 1021	Texas	2015	Burglary	558
## 1022	Texas	2016	Burglary	534
## 1023	West	2015	Burglary	531
## 1024	West	2016	Burglary	505
## 1025	Mountain	2015	Burglary	533
## 1026	Mountain	2016	Burglary	514
## 1027	Arizona	2015	Burglary	558
## 1028	Arizona	2016	Burglary	544
## 1029	Colorado	2015	Burglary	431
## 1030	Colorado	2016	Burglary	431
## 1031	Idaho	2015	Burglary	371
## 1032	Idaho	2016	Burglary	375
## 1033	Montana	2015	Burglary	377
## 1034	Montana	2016	Burglary	377
## 1035	Nevada	2015	Burglary	775
## 1036	Nevada	2016	Burglary	641
## 1037	New Mexico	2015	Burglary	821
## 1038	New Mexico	2016	Burglary	830
## 1039	Utah	2015	Burglary	422
## 1040	Utah	2016	Burglary	421
## 1041	Wyoming	2015	Burglary	300
## 1042	Wyoming	2016	Burglary	302
## 1043	Pacific	2015	Burglary	530
## 1044	Pacific	2016	Burglary	501
## 1045	Alaska	2015	Burglary	476
## 1046	Alaska	2016	Burglary	546
## 1047	California	2015	Burglary	506
## 1048	California	2016	Burglary	480
## 1049	Hawaii	2015	Burglary	478
## 1050	Hawaii	2016	Burglary	421
## 1051	Oregon	2015	Burglary	461
## 1052	Oregon	2016	Burglary	412
## 1053	Washington	2015	Burglary	714
## 1054	Washington	2016	Burglary	675
## 1055	Puerto Rico	2015	Burglary	263
## 1056	Puerto Rico	2016	Burglary	242
## 1057	United States Total	2015	Larceny	1784
## 1058	United States Total	2016	Larceny	1745
## 1059	Northeast	2015	Larceny	1312
## 1060	Northeast	2016	Larceny	1263
## 1061	New England	2015	Larceny	1312
## 1062	New England	2016	Larceny	1242
## 1063	Connecticut	2015	Larceny	1364
## 1064	Connecticut	2016	Larceny	1328
## 1065	Maine	2015	Larceny	1418
## 1066	Maine	2016	Larceny	1287
## 1067	Massachusetts	2015	Larceny	1248
## 1068	Massachusetts	2016	Larceny	1161

## 1069	New Hampshire	2015	Larceny	1434
## 1070	New Hampshire	2016	Larceny	1226
## 1071	Rhode Island	2015	Larceny	1394
## 1072	Rhode Island	2016	Larceny	1389
## 1073	Vermont	2015	Larceny	1092
## 1074	Vermont	2016	Larceny	1316
## 1075	Middle Atlantic	2015	Larceny	1312
## 1076	Middle Atlantic	2016	Larceny	1270
## 1077	New Jersey	2015	Larceny	1186
## 1078	New Jersey	2016	Larceny	1135
## 1079	New York	2015	Larceny	1306
## 1080	New York	2016	Larceny	1271
## 1081	Pennsylvania	2015	Larceny	1409
## 1082	Pennsylvania	2016	Larceny	1363
## 1083	Midwest	2015	Larceny	1660
## 1084	Midwest	2016	Larceny	1638
## 1085	East North Central	2015	Larceny	1601
## 1086	East North Central	2016	Larceny	1588
## 1087	Illinois	2015	Larceny	1499
## 1088	Illinois	2016	Larceny	1519
## 1089	Indiana	2015	Larceny	1874
## 1090	Indiana	2016	Larceny	1853
## 1091	Michigan	2015	Larceny	1331
## 1092	Michigan	2016	Larceny	1308
## 1093	Ohio	2015	Larceny	1864
## 1094	Ohio	2016	Larceny	1832
## 1095	Wisconsin	2015	Larceny	1449
## 1096	Wisconsin	2016	Larceny	1425
## 1097	West North Central	2015	Larceny	1790
## 1098	West North Central	2016	Larceny	1748
## 1099	Iowa	2015	Larceny	1452
## 1100	Iowa	2016	Larceny	1448
## 1101	Kansas	2015	Larceny	1976
## 1102	Kansas	2016	Larceny	1963
## 1103	Minnesota	2015	Larceny	1727
## 1104	Minnesota	2016	Larceny	1638
## 1105	Missouri	2015	Larceny	2020
## 1106	Missouri	2016	Larceny	1978
## 1107	Nebraska	2015	Larceny	1698
## 1108	Nebraska	2016	Larceny	1678
## 1109	North Dakota	2015	Larceny	1676
## 1110	North Dakota	2016	Larceny	1609
## 1111	South Dakota	2015	Larceny	1466
## 1112	South Dakota	2016	Larceny	1460
## 1113	South	2015	Larceny	2002
## 1114	South	2016	Larceny	1955
## 1115	South Atlantic	2015	Larceny	1972
## 1116	South Atlantic	2016	Larceny	1932
## 1117	Delaware	2015	Larceny	2071
## 1118	Delaware	2016	Larceny	2079
## 1119	District of Columbia	2015	Larceny	3760
## 1120	District of Columbia	2016	Larceny	4020
## 1121	Florida	2015	Larceny	2076
## 1122	Florida	2016	Larceny	1991

## 1123	Georgia	2015	Larceny	2164
## 1124	Georgia	2016	Larceny	2130
## 1125	Maryland	2015	Larceny	1713
## 1126	Maryland	2016	Larceny	1677
## 1127	North Carolina	2015	Larceny	1871
## 1128	North Carolina	2016	Larceny	1876
## 1129	South Carolina	2015	Larceny	2345
## 1130	South Carolina	2016	Larceny	2299
## 1131	Virginia	2015	Larceny	1530
## 1132	Virginia	2016	Larceny	1505
## 1133	West Virginia	2015	Larceny	1466
## 1134	West Virginia	2016	Larceny	1402
## 1135	East South Central	2015	Larceny	1919
## 1136	East South Central	2016	Larceny	1866
## 1137	Alabama	2015	Larceny	2043
## 1138	Alabama	2016	Larceny	2006
## 1139	Kentucky	2015	Larceny	1517
## 1140	Kentucky	2016	Larceny	1497
## 1141	Mississippi	2015	Larceny	1888
## 1142	Mississippi	2016	Larceny	1842
## 1143	Tennessee	2015	Larceny	2112
## 1144	Tennessee	2016	Larceny	2021
## 1145	West South Central	2015	Larceny	2090
## 1146	West South Central	2016	Larceny	2035
## 1147	Arkansas	2015	Larceny	2308
## 1148	Arkansas	2016	Larceny	2234
## 1149	Louisiana	2015	Larceny	2410
## 1150	Louisiana	2016	Larceny	2336
## 1151	Oklahoma	2015	Larceny	1911
## 1152	Oklahoma	2016	Larceny	1931
## 1153	Texas	2015	Larceny	2037
## 1154	Texas	2016	Larceny	1978
## 1155	West	2015	Larceny	1896
## 1156	West	2016	Larceny	1859
## 1157	Mountain	2015	Larceny	2005
## 1158	Mountain	2016	Larceny	1989
## 1159	Arizona	2015	Larceny	2235
## 1160	Arizona	2016	Larceny	2168
## 1161	Colorado	2015	Larceny	1918
## 1162	Colorado	2016	Larceny	1955
## 1163	Idaho	2015	Larceny	1265
## 1164	Idaho	2016	Larceny	1245
## 1165	Montana	2015	Larceny	2031
## 1166	Montana	2016	Larceny	2043
## 1167	Nevada	2015	Larceny	1506
## 1168	Nevada	2016	Larceny	1497
## 1169	New Mexico	2015	Larceny	2475
## 1170	New Mexico	2016	Larceny	2542
## 1171	Utah	2015	Larceny	2289
## 1172	Utah	2016	Larceny	2223
## 1173	Wyoming	2015	Larceny	1500
## 1174	Wyoming	2016	Larceny	1518
## 1175	Pacific	2015	Larceny	1847
## 1176	Pacific	2016	Larceny	1800

## 1177	Alaska	2015	Larceny	2067
## 1178	Alaska	2016	Larceny	2395
## 1179	California	2015	Larceny	1684
## 1180	California	2016	Larceny	1623
## 1181	Hawaii	2015	Larceny	2325
## 1182	Hawaii	2016	Larceny	2176
## 1183	Oregon	2015	Larceny	2249
## 1184	Oregon	2016	Larceny	2230
## 1185	Washington	2015	Larceny	2394
## 1186	Washington	2016	Larceny	2376
## 1187	Puerto Rico	2015	Larceny	705
## 1188	Puerto Rico	2016	Larceny	679
## 1189	United States Total	2015	Motor Theft	222
## 1190	United States Total	2016	Motor Theft	237
## 1191	Northeast	2015	Motor Theft	101
## 1192	Northeast	2016	Motor Theft	102
## 1193	New England	2015	Motor Theft	121
## 1194	New England	2016	Motor Theft	127
## 1195	Connecticut	2015	Motor Theft	179
## 1196	Connecticut	2016	Motor Theft	199
## 1197	Maine	2015	Motor Theft	61
## 1198	Maine	2016	Motor Theft	58
## 1199	Massachusetts	2015	Motor Theft	119
## 1200	Massachusetts	2016	Motor Theft	118
## 1201	New Hampshire	2015	Motor Theft	67
## 1202	New Hampshire	2016	Motor Theft	65
## 1203	Rhode Island	2015	Motor Theft	131
## 1204	Rhode Island	2016	Motor Theft	151
## 1205	Vermont	2015	Motor Theft	31
## 1206	Vermont	2016	Motor Theft	45
## 1207	Middle Atlantic	2015	Motor Theft	94
## 1208	Middle Atlantic	2016	Motor Theft	93
## 1209	New Jersey	2015	Motor Theft	132
## 1210	New Jersey	2016	Motor Theft	127
## 1211	New York	2015	Motor Theft	77
## 1212	New York	2016	Motor Theft	73
## 1213	Pennsylvania	2015	Motor Theft	95
## 1214	Pennsylvania	2016	Motor Theft	102
## 1215	Midwest	2015	Motor Theft	179
## 1216	Midwest	2016	Motor Theft	194
## 1217	East North Central	2015	Motor Theft	168
## 1218	East North Central	2016	Motor Theft	181
## 1219	Illinois	2015	Motor Theft	138
## 1220	Illinois	2016	Motor Theft	156
## 1221	Indiana	2015	Motor Theft	205
## 1222	Indiana	2016	Motor Theft	222
## 1223	Michigan	2015	Motor Theft	190
## 1224	Michigan	2016	Motor Theft	203
## 1225	Ohio	2015	Motor Theft	150
## 1226	Ohio	2016	Motor Theft	169
## 1227	Wisconsin	2015	Motor Theft	191
## 1228	Wisconsin	2016	Motor Theft	172
## 1229	West North Central	2015	Motor Theft	205
## 1230	West North Central	2016	Motor Theft	222

## 1231	Iowa 2015	Motor Theft	140
## 1232	Iowa 2016	Motor Theft	159
## 1233	Kansas 2015	Motor Theft	241
## 1234	Kansas 2016	Motor Theft	239
## 1235	Minnesota 2015	Motor Theft	146
## 1236	Minnesota 2016	Motor Theft	158
## 1237	Missouri 2015	Motor Theft	280
## 1238	Missouri 2016	Motor Theft	300
## 1239	Nebraska 2015	Motor Theft	212
## 1240	Nebraska 2016	Motor Theft	248
## 1241	North Dakota 2015	Motor Theft	229
## 1242	North Dakota 2016	Motor Theft	259
## 1243	South Dakota 2015	Motor Theft	139
## 1244	South Dakota 2016	Motor Theft	174
## 1245	South 2015	Motor Theft	208
## 1246	South 2016	Motor Theft	219
## 1247	South Atlantic 2015	Motor Theft	194
## 1248	South Atlantic 2016	Motor Theft	200
## 1249	Delaware 2015	Motor Theft	126
## 1250	Delaware 2016	Motor Theft	160
## 1251	District of Columbia 2015	Motor Theft	487
## 1252	District of Columbia 2016	Motor Theft	436
## 1253	Florida 2015	Motor Theft	201
## 1254	Florida 2016	Motor Theft	209
## 1255	Georgia 2015	Motor Theft	266
## 1256	Georgia 2016	Motor Theft	260
## 1257	Maryland 2015	Motor Theft	224
## 1258	Maryland 2016	Motor Theft	197
## 1259	North Carolina 2015	Motor Theft	134
## 1260	North Carolina 2016	Motor Theft	151
## 1261	South Carolina 2015	Motor Theft	268
## 1262	South Carolina 2016	Motor Theft	281
## 1263	Virginia 2015	Motor Theft	98
## 1264	Virginia 2016	Motor Theft	116
## 1265	West Virginia 2015	Motor Theft	122
## 1266	West Virginia 2016	Motor Theft	137
## 1267	East South Central 2015	Motor Theft	188
## 1268	East South Central 2016	Motor Theft	217
## 1269	Alabama 2015	Motor Theft	213
## 1270	Alabama 2016	Motor Theft	241
## 1271	Kentucky 2015	Motor Theft	178
## 1272	Kentucky 2016	Motor Theft	223
## 1273	Mississippi 2015	Motor Theft	143
## 1274	Mississippi 2016	Motor Theft	145
## 1275	Tennessee 2015	Motor Theft	198
## 1276	Tennessee 2016	Motor Theft	227
## 1277	West South Central 2015	Motor Theft	240
## 1278	West South Central 2016	Motor Theft	250
## 1279	Arkansas 2015	Motor Theft	195
## 1280	Arkansas 2016	Motor Theft	239
## 1281	Louisiana 2015	Motor Theft	208
## 1282	Louisiana 2016	Motor Theft	221
## 1283	Oklahoma 2015	Motor Theft	271
## 1284	Oklahoma 2016	Motor Theft	310

## 1285	Texas	2015	Motor Theft	246
## 1286	Texas	2016	Motor Theft	248
## 1287	West	2015	Motor Theft	373
## 1288	West	2016	Motor Theft	403
## 1289	Mountain	2015	Motor Theft	283
## 1290	Mountain	2016	Motor Theft	327
## 1291	Arizona	2015	Motor Theft	246
## 1292	Arizona	2016	Motor Theft	266
## 1293	Colorado	2015	Motor Theft	294
## 1294	Colorado	2016	Motor Theft	354
## 1295	Idaho	2015	Motor Theft	113
## 1296	Idaho	2016	Motor Theft	123
## 1297	Montana	2015	Motor Theft	235
## 1298	Montana	2016	Motor Theft	263
## 1299	Nevada	2015	Motor Theft	394
## 1300	Nevada	2016	Motor Theft	448
## 1301	New Mexico	2015	Motor Theft	415
## 1302	New Mexico	2016	Motor Theft	564
## 1303	Utah	2015	Motor Theft	292
## 1304	Utah	2016	Motor Theft	308
## 1305	Wyoming	2015	Motor Theft	101
## 1306	Wyoming	2016	Motor Theft	137
## 1307	Pacific	2015	Motor Theft	413
## 1308	Pacific	2016	Motor Theft	437
## 1309	Alaska	2015	Motor Theft	277
## 1310	Alaska	2016	Motor Theft	412
## 1311	California	2015	Motor Theft	439
## 1312	California	2016	Motor Theft	450
## 1313	Hawaii	2015	Motor Theft	382
## 1314	Hawaii	2016	Motor Theft	396
## 1315	Oregon	2015	Motor Theft	266
## 1316	Oregon	2016	Motor Theft	322
## 1317	Washington	2015	Motor Theft	377
## 1318	Washington	2016	Motor Theft	443
## 1319	Puerto Rico	2015	Motor Theft	117
## 1320	Puerto Rico	2016	Motor Theft	111

```
# Spread the yearly data for 2015 and 2016 into 2 separate columns for easier comparison
crimedata<-spread(crimedata,Year,RatePer100000)
```

```
# Calculate the year-on-year percent change
crimedata$YoYPercentChange<-round((((crimedata$`2016`/crimedata$`2015`)-1)*100,2)
```

```
#Print the tidy dataset
crimedata
```

##	Area	Type of Crime	2015	2016	YoYPercentChange
## 1	Alabama	Assault	329	388	17.93
## 2	Alabama	Burglary	727	700	-3.71
## 3	Alabama	Larceny	2043	2006	-1.81
## 4	Alabama	Motor Theft	213	241	13.15
## 5	Alabama	Murder Manslaughter	7	8	14.29
## 6	Alabama	Property Crime	2983	2948	-1.17
## 7	Alabama	Rape Legacy Def	30	28	-6.67
## 8	Alabama	Rape Revised Def	42	39	-7.14



## 9	Alabama	Robbery	95	96	1.05
## 10	Alabama	Violent Crime	473	532	12.47
## 11	Alaska	Assault	498	541	8.63
## 12	Alaska	Burglary	476	546	14.71
## 13	Alaska	Larceny	2067	2395	15.87
## 14	Alaska	Motor Theft	277	412	48.74
## 15	Alaska	Murder Manslaughter	8	7	-12.50
## 16	Alaska	Property Crime	2820	3353	18.90
## 17	Alaska	Rape Legacy Def	88	102	15.91
## 18	Alaska	Rape Revised Def	122	142	16.39
## 19	Alaska	Robbery	103	115	11.65
## 20	Alaska	Violent Crime	731	804	9.99
## 21	Arizona	Assault	267	315	17.98
## 22	Arizona	Burglary	558	544	-2.51
## 23	Arizona	Larceny	2235	2168	-3.00
## 24	Arizona	Motor Theft	246	266	8.13
## 25	Arizona	Murder Manslaughter	4	5	25.00
## 26	Arizona	Property Crime	3039	2978	-2.01
## 27	Arizona	Rape Legacy Def	33	35	6.06
## 28	Arizona	Rape Revised Def	46	47	2.17
## 29	Arizona	Robbery	93	102	9.68
## 30	Arizona	Violent Crime	410	470	14.63
## 31	Arkansas	Assault	385	401	4.16
## 32	Arkansas	Burglary	767	795	3.65
## 33	Arkansas	Larceny	2308	2234	-3.21
## 34	Arkansas	Motor Theft	195	239	22.56
## 35	Arkansas	Murder Manslaughter	6	7	16.67
## 36	Arkansas	Property Crime	3271	3269	-0.06
## 37	Arkansas	Rape Legacy Def	48	52	8.33
## 38	Arkansas	Rape Revised Def	67	72	7.46
## 39	Arkansas	Robbery	71	71	0.00
## 40	Arkansas	Violent Crime	530	551	3.96
## 41	California	Assault	255	266	4.31
## 42	California	Burglary	506	480	-5.14
## 43	California	Larceny	1684	1623	-3.62
## 44	California	Motor Theft	439	450	2.51
## 45	California	Murder Manslaughter	5	5	0.00
## 46	California	Property Crime	2628	2553	-2.85
## 47	California	Rape Legacy Def	24	26	8.33
## 48	California	Rape Revised Def	33	35	6.06
## 49	California	Robbery	136	140	2.94
## 50	California	Violent Crime	428	445	3.97
## 51	Colorado	Assault	193	211	9.33
## 52	Colorado	Burglary	431	431	0.00
## 53	Colorado	Larceny	1918	1955	1.93
## 54	Colorado	Motor Theft	294	354	20.41
## 55	Colorado	Murder Manslaughter	3	4	33.33
## 56	Colorado	Property Crime	2644	2741	3.67
## 57	Colorado	Rape Legacy Def	44	47	6.82
## 58	Colorado	Rape Revised Def	61	64	4.92
## 59	Colorado	Robbery	61	64	4.92
## 60	Colorado	Violent Crime	318	343	7.86
## 61	Connecticut	Assault	114	128	12.28
## 62	Connecticut	Burglary	287	281	-2.09

## 63	Connecticut	Larceny	1364	1328	-2.64
## 64	Connecticut	Motor Theft	179	199	11.17
## 65	Connecticut	Murder Manslaughter	3	2	-33.33
## 66	Connecticut	Property Crime	1830	1808	-1.20
## 67	Connecticut	Rape Legacy Def	16	16	0.00
## 68	Connecticut	Rape Revised Def	22	21	-4.55
## 69	Connecticut	Robbery	82	76	-7.32
## 70	Connecticut	Violent Crime	221	227	2.71
## 71	Delaware	Assault	328	328	0.00
## 72	Delaware	Burglary	508	528	3.94
## 73	Delaware	Larceny	2071	2079	0.39
## 74	Delaware	Motor Theft	126	160	26.98
## 75	Delaware	Murder Manslaughter	7	6	-14.29
## 76	Delaware	Property Crime	2706	2766	2.22
## 77	Delaware	Rape Legacy Def	27	23	-14.81
## 78	Delaware	Rape Revised Def	38	32	-15.79
## 79	Delaware	Robbery	131	143	9.16
## 80	Delaware	Violent Crime	504	509	0.99
## 81	District of Columbia	Assault	617	596	-3.40
## 82	District of Columbia	Burglary	443	347	-21.67
## 83	District of Columbia	Larceny	3760	4020	6.91
## 84	District of Columbia	Motor Theft	487	436	-10.47
## 85	District of Columbia	Murder Manslaughter	24	20	-16.67
## 86	District of Columbia	Property Crime	4690	4803	2.41
## 87	District of Columbia	Rape Legacy Def	54	59	9.26
## 88	District of Columbia	Rape Revised Def	74	78	5.41
## 89	District of Columbia	Robbery	559	511	-8.59
## 90	District of Columbia	Violent Crime	1274	1206	-5.34
## 91	East North Central	Assault	208	227	9.13
## 92	East North Central	Burglary	452	445	-1.55
## 93	East North Central	Larceny	1601	1588	-0.81
## 94	East North Central	Motor Theft	168	181	7.74
## 95	East North Central	Murder Manslaughter	5	6	20.00
## 96	East North Central	Property Crime	2221	2213	-0.36
## 97	East North Central	Rape Legacy Def	33	35	6.06
## 98	East North Central	Rape Revised Def	46	47	2.17
## 99	East North Central	Robbery	102	106	3.92
## 100	East North Central	Violent Crime	361	387	7.20
## 101	East South Central	Assault	293	314	7.17
## 102	East South Central	Burglary	671	626	-6.71
## 103	East South Central	Larceny	1919	1866	-2.76
## 104	East South Central	Motor Theft	188	217	15.43
## 105	East South Central	Murder Manslaughter	7	7	0.00
## 106	East South Central	Property Crime	2779	2709	-2.52
## 107	East South Central	Rape Legacy Def	29	29	0.00
## 108	East South Central	Rape Revised Def	41	40	-2.44
## 109	East South Central	Robbery	94	96	2.13
## 110	East South Central	Violent Crime	434	458	5.53
## 111	Florida	Assault	316	290	-8.23
## 112	Florida	Burglary	540	487	-9.81
## 113	Florida	Larceny	2076	1991	-4.09
## 114	Florida	Motor Theft	201	209	3.98
## 115	Florida	Murder Manslaughter	5	5	0.00
## 116	Florida	Property Crime	2817	2687	-4.61

## 117	Florida	Rape Legacy Def	27	27	0.00
## 118	Florida	Rape Revised Def	37	37	0.00
## 119	Florida	Robbery	104	98	-5.77
## 120	Florida	Violent Crime	462	430	-6.93
## 121	Georgia	Assault	220	239	8.64
## 122	Georgia	Burglary	668	614	-8.08
## 123	Georgia	Larceny	2164	2130	-1.57
## 124	Georgia	Motor Theft	266	260	-2.26
## 125	Georgia	Murder Manslaughter	6	7	16.67
## 126	Georgia	Property Crime	3098	3004	-3.03
## 127	Georgia	Rape Legacy Def	23	25	8.70
## 128	Georgia	Rape Revised Def	32	34	6.25
## 129	Georgia	Robbery	123	118	-4.07
## 130	Georgia	Violent Crime	381	398	4.46
## 131	Hawaii	Assault	132	194	46.97
## 132	Hawaii	Burglary	478	421	-11.92
## 133	Hawaii	Larceny	2325	2176	-6.41
## 134	Hawaii	Motor Theft	382	396	3.66
## 135	Hawaii	Murder Manslaughter	2	2	0.00
## 136	Hawaii	Property Crime	3185	2993	-6.03
## 137	Hawaii	Rape Legacy Def	27	31	14.81
## 138	Hawaii	Rape Revised Def	38	43	13.16
## 139	Hawaii	Robbery	76	70	-7.89
## 140	Hawaii	Violent Crime	248	309	24.60
## 141	Idaho	Assault	161	172	6.83
## 142	Idaho	Burglary	371	375	1.08
## 143	Idaho	Larceny	1265	1245	-1.58
## 144	Idaho	Motor Theft	113	123	8.85
## 145	Idaho	Murder Manslaughter	2	3	50.00
## 146	Idaho	Property Crime	1749	1744	-0.29
## 147	Idaho	Rape Legacy Def	31	31	0.00
## 148	Idaho	Rape Revised Def	43	43	0.00
## 149	Idaho	Robbery	12	13	8.33
## 150	Idaho	Violent Crime	217	230	5.99
## 151	Illinois	Assault	226	250	10.62
## 152	Illinois	Burglary	365	375	2.74
## 153	Illinois	Larceny	1499	1519	1.33
## 154	Illinois	Motor Theft	138	156	13.04
## 155	Illinois	Murder Manslaughter	6	8	33.33
## 156	Illinois	Property Crime	2001	2049	2.40
## 157	Illinois	Rape Legacy Def	28	28	0.00
## 158	Illinois	Rape Revised Def	38	38	0.00
## 159	Illinois	Robbery	117	139	18.80
## 160	Illinois	Violent Crime	388	436	12.37
## 161	Indiana	Assault	235	250	6.38
## 162	Indiana	Burglary	520	514	-1.15
## 163	Indiana	Larceny	1874	1853	-1.12
## 164	Indiana	Motor Theft	205	222	8.29
## 165	Indiana	Murder Manslaughter	6	7	16.67
## 166	Indiana	Property Crime	2599	2589	-0.38
## 167	Indiana	Rape Legacy Def	27	28	3.70
## 168	Indiana	Rape Revised Def	36	38	5.56
## 169	Indiana	Robbery	107	111	3.74
## 170	Indiana	Violent Crime	384	405	5.47

## 171	Iowa	Assault	202	212	4.95
## 172	Iowa	Burglary	480	479	-0.21
## 173	Iowa	Larceny	1452	1448	-0.28
## 174	Iowa	Motor Theft	140	159	13.57
## 175	Iowa	Murder Manslaughter	2	2	0.00
## 176	Iowa	Property Crime	2072	2086	0.68
## 177	Iowa	Rape Legacy Def	28	29	3.57
## 178	Iowa	Rape Revised Def	39	40	2.56
## 179	Iowa	Robbery	34	37	8.82
## 180	Iowa	Violent Crime	276	291	5.43
## 181	Kansas	Assault	270	274	1.48
## 182	Kansas	Burglary	537	494	-8.01
## 183	Kansas	Larceny	1976	1963	-0.66
## 184	Kansas	Motor Theft	241	239	-0.83
## 185	Kansas	Murder Manslaughter	4	4	0.00
## 186	Kansas	Property Crime	2754	2696	-2.11
## 187	Kansas	Rape Legacy Def	42	33	-21.43
## 188	Kansas	Rape Revised Def	58	45	-22.41
## 189	Kansas	Robbery	63	57	-9.52
## 190	Kansas	Violent Crime	395	380	-3.80
## 191	Kentucky	Assault	106	114	7.55
## 192	Kentucky	Burglary	509	470	-7.66
## 193	Kentucky	Larceny	1517	1497	-1.32
## 194	Kentucky	Motor Theft	178	223	25.28
## 195	Kentucky	Murder Manslaughter	5	6	20.00
## 196	Kentucky	Property Crime	2205	2190	-0.68
## 197	Kentucky	Rape Legacy Def	26	26	0.00
## 198	Kentucky	Rape Revised Def	37	37	0.00
## 199	Kentucky	Robbery	75	76	1.33
## 200	Kentucky	Violent Crime	223	232	4.04
## 201	Louisiana	Assault	373	396	6.17
## 202	Louisiana	Burglary	759	740	-2.50
## 203	Louisiana	Larceny	2410	2336	-3.07
## 204	Louisiana	Motor Theft	208	221	6.25
## 205	Louisiana	Murder Manslaughter	11	12	9.09
## 206	Louisiana	Property Crime	3378	3298	-2.37
## 207	Louisiana	Rape Legacy Def	27	28	3.70
## 208	Louisiana	Rape Revised Def	37	39	5.41
## 209	Louisiana	Robbery	119	119	0.00
## 210	Louisiana	Violent Crime	540	566	4.81
## 211	Maine	Assault	70	71	1.43
## 212	Maine	Burglary	353	301	-14.73
## 213	Maine	Larceny	1418	1287	-9.24
## 214	Maine	Motor Theft	61	58	-4.92
## 215	Maine	Murder Manslaughter	2	2	0.00
## 216	Maine	Property Crime	1832	1646	-10.15
## 217	Maine	Rape Legacy Def	25	23	-8.00
## 218	Maine	Rape Revised Def	35	31	-11.43
## 219	Maine	Robbery	23	20	-13.04
## 220	Maine	Violent Crime	130	124	-4.62
## 221	Maryland	Assault	264	264	0.00
## 222	Maryland	Burglary	441	410	-7.03
## 223	Maryland	Larceny	1713	1677	-2.10
## 224	Maryland	Motor Theft	224	197	-12.05

## 225	Maryland	Murder Manslaughter	9	8	-11.11
## 226	Maryland	Property Crime	2378	2284	-3.95
## 227	Maryland	Rape Legacy Def	20	21	5.00
## 228	Maryland	Rape Revised Def	29	29	0.00
## 229	Maryland	Robbery	169	171	1.18
## 230	Maryland	Violent Crime	470	472	0.43
## 231	Massachusetts	Assault	280	265	-5.36
## 232	Massachusetts	Burglary	322	282	-12.42
## 233	Massachusetts	Larceny	1248	1161	-6.97
## 234	Massachusetts	Motor Theft	119	118	-0.84
## 235	Massachusetts	Murder Manslaughter	2	2	0.00
## 236	Massachusetts	Property Crime	1688	1561	-7.52
## 237	Massachusetts	Rape Legacy Def	23	23	0.00
## 238	Massachusetts	Rape Revised Def	31	31	0.00
## 239	Massachusetts	Robbery	78	79	1.28
## 240	Massachusetts	Violent Crime	390	377	-3.33
## 241	Michigan	Assault	268	310	15.67
## 242	Michigan	Burglary	407	399	-1.97
## 243	Michigan	Larceny	1331	1308	-1.73
## 244	Michigan	Motor Theft	190	203	6.84
## 245	Michigan	Murder Manslaughter	6	6	0.00
## 246	Michigan	Property Crime	1928	1910	-0.93
## 247	Michigan	Rape Legacy Def	48	52	8.33
## 248	Michigan	Rape Revised Def	68	72	5.88
## 249	Michigan	Robbery	79	72	-8.86
## 250	Michigan	Violent Crime	421	459	9.03
## 251	Middle Atlantic	Assault	189	191	1.06
## 252	Middle Atlantic	Burglary	269	243	-9.67
## 253	Middle Atlantic	Larceny	1312	1270	-3.20
## 254	Middle Atlantic	Motor Theft	94	93	-1.06
## 255	Middle Atlantic	Murder Manslaughter	4	4	0.00
## 256	Middle Atlantic	Property Crime	1675	1606	-4.12
## 257	Middle Atlantic	Rape Legacy Def	21	21	0.00
## 258	Middle Atlantic	Rape Revised Def	28	29	3.57
## 259	Middle Atlantic	Robbery	112	105	-6.25
## 260	Middle Atlantic	Violent Crime	334	329	-1.50
## 261	Midwest	Assault	216	232	7.41
## 262	Midwest	Burglary	454	442	-2.64
## 263	Midwest	Larceny	1660	1638	-1.33
## 264	Midwest	Motor Theft	179	194	8.38
## 265	Midwest	Murder Manslaughter	5	6	20.00
## 266	Midwest	Property Crime	2293	2273	-0.87
## 267	Midwest	Rape Legacy Def	33	34	3.03
## 268	Midwest	Rape Revised Def	45	46	2.22
## 269	Midwest	Robbery	92	94	2.17
## 270	Midwest	Violent Crime	358	378	5.59
## 271	Minnesota	Assault	129	131	1.55
## 272	Minnesota	Burglary	352	337	-4.26
## 273	Minnesota	Larceny	1727	1638	-5.15
## 274	Minnesota	Motor Theft	146	158	8.22
## 275	Minnesota	Murder Manslaughter	2	2	0.00
## 276	Minnesota	Property Crime	2225	2133	-4.13
## 277	Minnesota	Rape Legacy Def	31	31	0.00
## 278	Minnesota	Rape Revised Def	42	43	2.38

## 279	Minnesota	Robbery	69	68	-1.45
## 280	Minnesota	Violent Crime	243	243	0.00
## 281	Mississippi	Assault	149	150	0.67
## 282	Mississippi	Burglary	839	781	-6.91
## 283	Mississippi	Larceny	1888	1842	-2.44
## 284	Mississippi	Motor Theft	143	145	1.40
## 285	Mississippi	Murder Manslaughter	8	8	0.00
## 286	Mississippi	Property Crime	2870	2768	-3.55
## 287	Mississippi	Rape Legacy Def	28	30	7.14
## 288	Mississippi	Rape Revised Def	39	43	10.26
## 289	Mississippi	Robbery	77	80	3.90
## 290	Mississippi	Violent Crime	274	280	2.19
## 291	Missouri	Assault	343	361	5.25
## 292	Missouri	Burglary	560	520	-7.14
## 293	Missouri	Larceny	2020	1978	-2.08
## 294	Missouri	Motor Theft	280	300	7.14
## 295	Missouri	Murder Manslaughter	8	9	12.50
## 296	Missouri	Property Crime	2860	2799	-2.13
## 297	Missouri	Rape Legacy Def	31	31	0.00
## 298	Missouri	Rape Revised Def	42	42	0.00
## 299	Missouri	Robbery	105	108	2.86
## 300	Missouri	Violent Crime	499	519	4.01
## 301	Montana	Assault	274	284	3.65
## 302	Montana	Burglary	377	377	0.00
## 303	Montana	Larceny	2031	2043	0.59
## 304	Montana	Motor Theft	235	263	11.91
## 305	Montana	Murder Manslaughter	4	3	-25.00
## 306	Montana	Property Crime	2643	2683	1.51
## 307	Montana	Rape Legacy Def	39	40	2.56
## 308	Montana	Rape Revised Def	55	55	0.00
## 309	Montana	Robbery	20	26	30.00
## 310	Montana	Violent Crime	353	368	4.25
## 311	Mountain	Assault	258	280	8.53
## 312	Mountain	Burglary	533	514	-3.56
## 313	Mountain	Larceny	2005	1989	-0.80
## 314	Mountain	Motor Theft	283	327	15.55
## 315	Mountain	Murder Manslaughter	4	5	25.00
## 316	Mountain	Property Crime	2821	2830	0.32
## 317	Mountain	Rape Legacy Def	40	41	2.50
## 318	Mountain	Rape Revised Def	55	55	0.00
## 319	Mountain	Robbery	86	91	5.81
## 320	Mountain	Violent Crime	403	430	6.70
## 321	Nebraska	Assault	170	187	10.00
## 322	Nebraska	Burglary	340	338	-0.59
## 323	Nebraska	Larceny	1698	1678	-1.18
## 324	Nebraska	Motor Theft	212	248	16.98
## 325	Nebraska	Murder Manslaughter	3	3	0.00
## 326	Nebraska	Property Crime	2249	2263	0.62
## 327	Nebraska	Rape Legacy Def	34	39	14.71
## 328	Nebraska	Rape Revised Def	47	52	10.64
## 329	Nebraska	Robbery	52	50	-3.85
## 330	Nebraska	Violent Crime	273	291	6.59
## 331	Nevada	Assault	415	396	-4.58
## 332	Nevada	Burglary	775	641	-17.29

## 333	Nevada	Larceny	1506	1497	-0.60
## 334	Nevada	Motor Theft	394	448	13.71
## 335	Nevada	Murder Manslaughter	6	8	33.33
## 336	Nevada	Property Crime	2675	2587	-3.29
## 337	Nevada	Rape Legacy Def	43	44	2.33
## 338	Nevada	Rape Revised Def	59	59	0.00
## 339	Nevada	Robbery	218	216	-0.92
## 340	Nevada	Violent Crime	698	678	-2.87
## 341	New England	Assault	187	186	-0.53
## 342	New England	Burglary	314	286	-8.92
## 343	New England	Larceny	1312	1242	-5.34
## 344	New England	Motor Theft	121	127	4.96
## 345	New England	Murder Manslaughter	2	2	0.00
## 346	New England	Property Crime	1748	1654	-5.38
## 347	New England	Rape Legacy Def	23	23	0.00
## 348	New England	Rape Revised Def	31	31	0.00
## 349	New England	Robbery	65	64	-1.54
## 350	New England	Violent Crime	286	282	-1.40
## 351	New Hampshire	Assault	117	121	3.42
## 352	New Hampshire	Burglary	262	222	-15.27
## 353	New Hampshire	Larceny	1434	1226	-14.50
## 354	New Hampshire	Motor Theft	67	65	-2.99
## 355	New Hampshire	Murder Manslaughter	1	1	0.00
## 356	New Hampshire	Property Crime	1763	1513	-14.18
## 357	New Hampshire	Rape Legacy Def	35	32	-8.57
## 358	New Hampshire	Rape Revised Def	48	44	-8.33
## 359	New Hampshire	Robbery	36	32	-11.11
## 360	New Hampshire	Violent Crime	202	198	-1.98
## 361	New Jersey	Assault	128	124	-3.12
## 362	New Jersey	Burglary	313	283	-9.58
## 363	New Jersey	Larceny	1186	1135	-4.30
## 364	New Jersey	Motor Theft	132	127	-3.79
## 365	New Jersey	Murder Manslaughter	4	4	0.00
## 366	New Jersey	Property Crime	1631	1545	-5.27
## 367	New Jersey	Rape Legacy Def	11	12	9.09
## 368	New Jersey	Rape Revised Def	15	16	6.67
## 369	New Jersey	Robbery	109	100	-8.26
## 370	New Jersey	Violent Crime	256	245	-4.30
## 371	New Mexico	Assault	452	491	8.63
## 372	New Mexico	Burglary	821	830	1.10
## 373	New Mexico	Larceny	2475	2542	2.71
## 374	New Mexico	Motor Theft	415	564	35.90
## 375	New Mexico	Murder Manslaughter	6	7	16.67
## 376	New Mexico	Property Crime	3712	3937	6.06
## 377	New Mexico	Rape Legacy Def	59	54	-8.47
## 378	New Mexico	Rape Revised Def	80	73	-8.75
## 379	New Mexico	Robbery	119	132	10.92
## 380	New Mexico	Violent Crime	657	702	6.85
## 381	New York	Assault	225	228	1.33
## 382	New York	Burglary	223	202	-9.42
## 383	New York	Larceny	1306	1271	-2.68
## 384	New York	Motor Theft	77	73	-5.19
## 385	New York	Murder Manslaughter	3	3	0.00
## 386	New York	Property Crime	1606	1546	-3.74

## 387	New York	Rape Legacy Def	22	23	4.55
## 388	New York	Rape Revised Def	31	32	3.23
## 389	New York	Robbery	121	113	-6.61
## 390	New York	Violent Crime	380	376	-1.05
## 391	North Carolina	Assault	227	245	7.93
## 392	North Carolina	Burglary	745	710	-4.70
## 393	North Carolina	Larceny	1871	1876	0.27
## 394	North Carolina	Motor Theft	134	151	12.69
## 395	North Carolina	Murder Manslaughter	5	7	40.00
## 396	North Carolina	Property Crime	2749	2737	-0.44
## 397	North Carolina	Rape Legacy Def	19	21	10.53
## 398	North Carolina	Rape Revised Def	26	28	7.69
## 399	North Carolina	Robbery	88	92	4.55
## 400	North Carolina	Violent Crime	346	372	7.51
## 401	North Dakota	Assault	182	180	-1.10
## 402	North Dakota	Burglary	435	428	-1.61
## 403	North Dakota	Larceny	1676	1609	-4.00
## 404	North Dakota	Motor Theft	229	259	13.10
## 405	North Dakota	Murder Manslaughter	3	2	-33.33
## 406	North Dakota	Property Crime	2341	2296	-1.92
## 407	North Dakota	Rape Legacy Def	38	34	-10.53
## 408	North Dakota	Rape Revised Def	52	45	-13.46
## 409	North Dakota	Robbery	21	24	14.29
## 410	North Dakota	Violent Crime	258	251	-2.71
## 411	Northeast	Assault	188	190	1.06
## 412	Northeast	Burglary	281	254	-9.61
## 413	Northeast	Larceny	1312	1263	-3.73
## 414	Northeast	Motor Theft	101	102	0.99
## 415	Northeast	Murder Manslaughter	4	3	-25.00
## 416	Northeast	Property Crime	1694	1619	-4.43
## 417	Northeast	Rape Legacy Def	21	22	4.76
## 418	Northeast	Rape Revised Def	29	30	3.45
## 419	Northeast	Robbery	100	94	-6.00
## 420	Northeast	Violent Crime	321	317	-1.25
## 421	Ohio	Assault	136	139	2.21
## 422	Ohio	Burglary	603	576	-4.48
## 423	Ohio	Larceny	1864	1832	-1.72
## 424	Ohio	Motor Theft	150	169	12.67
## 425	Ohio	Murder Manslaughter	4	6	50.00
## 426	Ohio	Property Crime	2617	2577	-1.53
## 427	Ohio	Rape Legacy Def	34	36	5.88
## 428	Ohio	Rape Revised Def	47	48	2.13
## 429	Ohio	Robbery	109	108	-0.92
## 430	Ohio	Violent Crime	296	300	1.35
## 431	Oklahoma	Assault	295	311	5.42
## 432	Oklahoma	Burglary	737	742	0.68
## 433	Oklahoma	Larceny	1911	1931	1.05
## 434	Oklahoma	Motor Theft	271	310	14.39
## 435	Oklahoma	Murder Manslaughter	6	6	0.00
## 436	Oklahoma	Property Crime	2919	2983	2.19
## 437	Oklahoma	Rape Legacy Def	36	38	5.56
## 438	Oklahoma	Rape Revised Def	50	52	4.00
## 439	Oklahoma	Robbery	77	81	5.19
## 440	Oklahoma	Violent Crime	429	450	4.90



## 441	Oregon	Assault	168	164	-2.38
## 442	Oregon	Burglary	461	412	-10.63
## 443	Oregon	Larceny	2249	2230	-0.84
## 444	Oregon	Motor Theft	266	322	21.05
## 445	Oregon	Murder Manslaughter	3	3	0.00
## 446	Oregon	Property Crime	2975	2964	-0.37
## 447	Oregon	Rape Legacy Def	30	31	3.33
## 448	Oregon	Rape Revised Def	41	42	2.44
## 449	Oregon	Robbery	54	56	3.70
## 450	Oregon	Violent Crime	265	265	0.00
## 451	Pacific	Assault	236	248	5.08
## 452	Pacific	Burglary	530	501	-5.47
## 453	Pacific	Larceny	1847	1800	-2.54
## 454	Pacific	Motor Theft	413	437	5.81
## 455	Pacific	Murder Manslaughter	4	4	0.00
## 456	Pacific	Property Crime	2790	2738	-1.86
## 457	Pacific	Rape Legacy Def	26	28	7.69
## 458	Pacific	Rape Revised Def	36	38	5.56
## 459	Pacific	Robbery	119	122	2.52
## 460	Pacific	Violent Crime	395	413	4.56
## 461	Pennsylvania	Assault	175	180	2.86
## 462	Pennsylvania	Burglary	309	278	-10.03
## 463	Pennsylvania	Larceny	1409	1363	-3.26
## 464	Pennsylvania	Motor Theft	95	102	7.37
## 465	Pennsylvania	Murder Manslaughter	5	5	0.00
## 466	Pennsylvania	Property Crime	1813	1743	-3.86
## 467	Pennsylvania	Rape Legacy Def	24	25	4.17
## 468	Pennsylvania	Rape Revised Def	34	35	2.94
## 469	Pennsylvania	Robbery	101	96	-4.95
## 470	Pennsylvania	Violent Crime	315	316	0.32
## 471	Puerto Rico	Assault	81	105	29.63
## 472	Puerto Rico	Burglary	263	242	-7.98
## 473	Puerto Rico	Larceny	705	679	-3.69
## 474	Puerto Rico	Motor Theft	117	111	-5.13
## 475	Puerto Rico	Murder Manslaughter	17	20	17.65
## 476	Puerto Rico	Property Crime	1086	1032	-4.97
## 477	Puerto Rico	Rape Legacy Def	4	4	0.00
## 478	Puerto Rico	Rape Revised Def	5	5	0.00
## 479	Puerto Rico	Robbery	117	94	-19.66
## 480	Puerto Rico	Violent Crime	220	224	1.82
## 481	Rhode Island	Assault	144	143	-0.69
## 482	Rhode Island	Burglary	373	359	-3.75
## 483	Rhode Island	Larceny	1394	1389	-0.36
## 484	Rhode Island	Motor Theft	131	151	15.27
## 485	Rhode Island	Murder Manslaughter	3	3	0.00
## 486	Rhode Island	Property Crime	1898	1899	0.05
## 487	Rhode Island	Rape Legacy Def	32	31	-3.12
## 488	Rhode Island	Rape Revised Def	44	42	-4.55
## 489	Rhode Island	Robbery	52	51	-1.92
## 490	Rhode Island	Violent Crime	243	239	-1.65
## 491	South	Assault	270	279	3.33
## 492	South	Burglary	594	560	-5.72
## 493	South	Larceny	2002	1955	-2.35
## 494	South	Motor Theft	208	219	5.29

## 495	South	Murder Manslaughter	6	7	16.67
## 496	South	Property Crime	2804	2734	-2.50
## 497	South	Rape Legacy Def	28	29	3.57
## 498	South	Rape Revised Def	39	40	2.56
## 499	South	Robbery	105	105	0.00
## 500	South	Violent Crime	421	431	2.38
## 501	South Atlantic	Assault	260	259	-0.38
## 502	South Atlantic	Burglary	558	516	-7.53
## 503	South Atlantic	Larceny	1972	1932	-2.03
## 504	South Atlantic	Motor Theft	194	200	3.09
## 505	South Atlantic	Murder Manslaughter	6	6	0.00
## 506	South Atlantic	Property Crime	2724	2648	-2.79
## 507	South Atlantic	Rape Legacy Def	24	25	4.17
## 508	South Atlantic	Rape Revised Def	34	35	2.94
## 509	South Atlantic	Robbery	106	104	-1.89
## 510	South Atlantic	Violent Crime	406	405	-0.25
## 511	South Carolina	Assault	361	365	1.11
## 512	South Carolina	Burglary	714	665	-6.86
## 513	South Carolina	Larceny	2345	2299	-1.96
## 514	South Carolina	Motor Theft	268	281	4.85
## 515	South Carolina	Murder Manslaughter	8	7	-12.50
## 516	South Carolina	Property Crime	3327	3244	-2.49
## 517	South Carolina	Rape Legacy Def	35	34	-2.86
## 518	South Carolina	Rape Revised Def	50	48	-4.00
## 519	South Carolina	Robbery	81	81	0.00
## 520	South Carolina	Violent Crime	499	502	0.60
## 521	South Dakota	Assault	298	325	9.06
## 522	South Dakota	Burglary	346	347	0.29
## 523	South Dakota	Larceny	1466	1460	-0.41
## 524	South Dakota	Motor Theft	139	174	25.18
## 525	South Dakota	Murder Manslaughter	4	3	-25.00
## 526	South Dakota	Property Crime	1951	1981	1.54
## 527	South Dakota	Rape Legacy Def	43	44	2.33
## 528	South Dakota	Rape Revised Def	58	59	1.72
## 529	South Dakota	Robbery	25	31	24.00
## 530	South Dakota	Violent Crime	385	418	8.57
## 531	Tennessee	Assault	456	467	2.41
## 532	Tennessee	Burglary	663	606	-8.60
## 533	Tennessee	Larceny	2112	2021	-4.31
## 534	Tennessee	Motor Theft	198	227	14.65
## 535	Tennessee	Murder Manslaughter	6	7	16.67
## 536	Tennessee	Property Crime	2973	2854	-4.00
## 537	Tennessee	Rape Legacy Def	31	30	-3.23
## 538	Tennessee	Rape Revised Def	42	41	-2.38
## 539	Tennessee	Robbery	114	117	2.63
## 540	Tennessee	Violent Crime	619	633	2.26
## 541	Texas	Assault	247	262	6.07
## 542	Texas	Burglary	558	534	-4.30
## 543	Texas	Larceny	2037	1978	-2.90
## 544	Texas	Motor Theft	246	248	0.81
## 545	Texas	Murder Manslaughter	5	5	0.00
## 546	Texas	Property Crime	2841	2760	-2.85
## 547	Texas	Rape Legacy Def	33	35	6.06
## 548	Texas	Rape Revised Def	45	48	6.67

## 549	Texas	Robbery	116	120	3.45
## 550	Texas	Violent Crime	413	434	5.08
## 551	United States Total	Assault	238	249	4.62
## 552	United States Total	Burglary	495	469	-5.25
## 553	United States Total	Larceny	1784	1745	-2.19
## 554	United States Total	Motor Theft	222	237	6.76
## 555	United States Total	Murder Manslaughter	5	5	0.00
## 556	United States Total	Property Crime	2501	2451	-2.00
## 557	United States Total	Rape Legacy Def	28	30	7.14
## 558	United States Total	Rape Revised Def	39	40	2.56
## 559	United States Total	Robbery	102	103	0.98
## 560	United States Total	Violent Crime	385	397	3.12
## 561	Utah	Assault	135	140	3.70
## 562	Utah	Burglary	422	421	-0.24
## 563	Utah	Larceny	2289	2223	-2.88
## 564	Utah	Motor Theft	292	308	5.48
## 565	Utah	Murder Manslaughter	2	2	0.00
## 566	Utah	Property Crime	3003	2952	-1.70
## 567	Utah	Rape Legacy Def	42	37	-11.90
## 568	Utah	Rape Revised Def	57	50	-12.28
## 569	Utah	Robbery	44	51	15.91
## 570	Utah	Violent Crime	239	243	1.67
## 571	Vermont	Assault	77	111	44.16
## 572	Vermont	Burglary	325	337	3.69
## 573	Vermont	Larceny	1092	1316	20.51
## 574	Vermont	Motor Theft	31	45	45.16
## 575	Vermont	Murder Manslaughter	2	2	0.00
## 576	Vermont	Property Crime	1448	1697	17.20
## 577	Vermont	Rape Legacy Def	17	20	17.65
## 578	Vermont	Rape Revised Def	24	28	16.67
## 579	Vermont	Robbery	17	17	0.00
## 580	Vermont	Violent Crime	119	158	32.77
## 581	Virginia	Assault	112	122	8.93
## 582	Virginia	Burglary	257	238	-7.39
## 583	Virginia	Larceny	1530	1505	-1.63
## 584	Virginia	Motor Theft	98	116	18.37
## 585	Virginia	Murder Manslaughter	5	6	20.00
## 586	Virginia	Property Crime	1886	1859	-1.43
## 587	Virginia	Rape Legacy Def	21	23	9.52
## 588	Virginia	Rape Revised Def	30	33	10.00
## 589	Virginia	Robbery	53	57	7.55
## 590	Virginia	Violent Crime	200	218	9.00
## 591	Washington	Assault	168	180	7.14
## 592	Washington	Burglary	714	675	-5.46
## 593	Washington	Larceny	2394	2376	-0.75
## 594	Washington	Motor Theft	377	443	17.51
## 595	Washington	Murder Manslaughter	3	3	0.00
## 596	Washington	Property Crime	3484	3494	0.29
## 597	Washington	Rape Legacy Def	28	31	10.71
## 598	Washington	Rape Revised Def	39	42	7.69
## 599	Washington	Robbery	76	78	2.63
## 600	Washington	Violent Crime	286	302	5.59
## 601	West	Assault	243	258	6.17
## 602	West	Burglary	531	505	-4.90

## 603	West	Larceny	1896	1859	-1.95
## 604	West	Motor Theft	373	403	8.04
## 605	West	Murder Manslaughter	4	4	0.00
## 606	West	Property Crime	2800	2767	-1.18
## 607	West	Rape Legacy Def	30	32	6.67
## 608	West	Rape Revised Def	42	43	2.38
## 609	West	Robbery	109	113	3.67
## 610	West	Violent Crime	398	418	5.03
## 611	West North Central	Assault	233	243	4.29
## 612	West North Central	Burglary	458	436	-4.80
## 613	West North Central	Larceny	1790	1748	-2.35
## 614	West North Central	Motor Theft	205	222	8.29
## 615	West North Central	Murder Manslaughter	5	4	-20.00
## 616	West North Central	Property Crime	2453	2406	-1.92
## 617	West North Central	Rape Legacy Def	33	32	-3.03
## 618	West North Central	Rape Revised Def	45	44	-2.22
## 619	West North Central	Robbery	68	69	1.47
## 620	West North Central	Violent Crime	351	360	2.56
## 621	West South Central	Assault	277	293	5.78
## 622	West South Central	Burglary	616	599	-2.76
## 623	West South Central	Larceny	2090	2035	-2.63
## 624	West South Central	Motor Theft	240	250	4.17
## 625	West South Central	Murder Manslaughter	6	6	0.00
## 626	West South Central	Property Crime	2946	2884	-2.10
## 627	West South Central	Rape Legacy Def	33	36	9.09
## 628	West South Central	Rape Revised Def	46	49	6.52
## 629	West South Central	Robbery	109	112	2.75
## 630	West South Central	Violent Crime	438	460	5.02
## 631	West Virginia	Assault	262	278	6.11
## 632	West Virginia	Burglary	514	508	-1.17
## 633	West Virginia	Larceny	1466	1402	-4.37
## 634	West Virginia	Motor Theft	122	137	12.30
## 635	West Virginia	Murder Manslaughter	5	4	-20.00
## 636	West Virginia	Property Crime	2102	2047	-2.62
## 637	West Virginia	Rape Legacy Def	27	26	-3.70
## 638	West Virginia	Rape Revised Def	39	36	-7.69
## 639	West Virginia	Robbery	43	39	-9.30
## 640	West Virginia	Violent Crime	347	358	3.17
## 641	Wisconsin	Assault	178	186	4.49
## 642	Wisconsin	Burglary	340	336	-1.18
## 643	Wisconsin	Larceny	1449	1425	-1.66
## 644	Wisconsin	Motor Theft	191	172	-9.95
## 645	Wisconsin	Murder Manslaughter	4	4	0.00
## 646	Wisconsin	Property Crime	1979	1933	-2.32
## 647	Wisconsin	Rape Legacy Def	23	25	8.70
## 648	Wisconsin	Rape Revised Def	31	34	9.68
## 649	Wisconsin	Robbery	91	81	-10.99
## 650	Wisconsin	Violent Crime	304	306	0.66
## 651	Wyoming	Assault	180	196	8.89
## 652	Wyoming	Burglary	300	302	0.67
## 653	Wyoming	Larceny	1500	1518	1.20
## 654	Wyoming	Motor Theft	101	137	35.64
## 655	Wyoming	Murder Manslaughter	3	3	0.00
## 656	Wyoming	Property Crime	1901	1957	2.95

```
## 657      Wyoming      Rape Legacy Def      21      26      23.81
## 658      Wyoming      Rape Revised Def     29      35      20.69
## 659      Wyoming              Robbery      10      10       0.00
## 660      Wyoming      Violent Crime     222     244       9.91
```

```
assault<-crimedata%>%filter(crimedata$`Type of Crime`== "Assault")
rape.revised.def<-crimedata%>%filter(crimedata$`Type of Crime`== "Rape Revised Def")
rape.legacy.def<-crimedata%>%filter(crimedata$`Type of Crime`== "Rape Legacy Def")
violent.crime<-crimedata%>%filter(crimedata$`Type of Crime`== "Violent Crime")
murder.manslaughter<-crimedata%>%filter(crimedata$`Type of Crime`== "Murder Manslaughter")
robbery<-crimedata%>%filter(crimedata$`Type of Crime`== "Robbery")
larceny<-crimedata%>%filter(crimedata$`Type of Crime`== "Larceny")
property.crime<-crimedata%>%filter(crimedata$`Type of Crime`== "Property Crime")
burglary<-crimedata%>%filter(crimedata$`Type of Crime`== "Burglary")
motor.theft<-crimedata%>%filter(crimedata$`Type of Crime`== "Motor Theft")
```

*# Do further analysis on which state/region has the highest count for each type of crime during 2016, p*

```
max.assault<-filter(assault, assault$`2016`==max(assault$`2016`))
max.rape.revised.def<-filter(rape.revised.def, rape.revised.def$`2016`==max(rape.revised.def$`2016`))
max.rape.legacy.def<-filter(rape.legacy.def, rape.legacy.def$`2016`==max(rape.legacy.def$`2016`))
max.violent.crime<-filter(violent.crime, violent.crime$`2016`==max(violent.crime$`2016`))
max.murder.manslaughter<-filter(murder.manslaughter, murder.manslaughter$`2016`==max(murder.manslaughter$`2016`))
max.robbery<-filter(robbery, robbery$`2016`==max(robbery$`2016`))
max.larceny<-filter(larceny, larceny$`2016`==max(larceny$`2016`))
max.property.crime<-filter(property.crime, property.crime$`2016`==max(property.crime$`2016`))
max.burglary<-filter(burglary, burglary$`2016`==max(burglary$`2016`))
max.motor.theft<-filter(motor.theft, motor.theft$`2016`==max(motor.theft$`2016`))
```

*# Print the details of which state/region has the highest rate per 100,000 people of each type of crime*

```
max.assault
```

```
##              Area Type of Crime 2015 2016 YoYPercentChange
## 1 District of Columbia      Assault    617    596             -3.4
```

```
max.motor.theft
```

```
##              Area Type of Crime 2015 2016 YoYPercentChange
## 1 New Mexico      Motor Theft    415    564             35.9
```

```
max.burglary
```

```
##              Area Type of Crime 2015 2016 YoYPercentChange
## 1 New Mexico      Burglary     821    830              1.1
```

```
max.property.crime
```

```
##              Area Type of Crime 2015 2016 YoYPercentChange
## 1 District of Columbia Property Crime 4690 4803             2.41
```

```
max.murder.manslaughter
```

```
##              Area Type of Crime 2015 2016 YoYPercentChange
## 1 District of Columbia Murder Manslaughter    24    20      -16.67
## 2      Puerto Rico Murder Manslaughter    17    20      17.65
```

```
max.larceny
```

```
##              Area Type of Crime 2015 2016 YoYPercentChange
```

```
## 1 District of Columbia      Larceny 3760 4020          6.91
```

```
max.rape.legacy.def
```

```
##      Area   Type of Crime 2015 2016 YoYPercentChange
```

```
## 1 Alaska Rape Legacy Def   88  102          15.91
```

```
max.rape.revised.def
```

```
##      Area   Type of Crime 2015 2016 YoYPercentChange
```

```
## 1 Alaska Rape Revised Def  122  142          16.39
```

```
max.robbery
```

```
##              Area Type of Crime 2015 2016 YoYPercentChange
```

```
## 1 District of Columbia      Robbery  559  511          -8.59
```

```
max.violent.crime
```

```
##              Area Type of Crime 2015 2016 YoYPercentChange
```

```
## 1 District of Columbia Violent Crime 1274 1206          -5.34
```