

Problem Set 1

Due date: 18 September

```
library(tidyverse)
```

```
-- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
v dplyr      1.1.3      v readr      2.1.4
v forcats    1.0.0      v stringr    1.5.0
v ggplot2    3.4.3      v tibble     3.2.1
v lubridate  1.9.2      v tidyr      1.3.0
v purrr      1.0.2
-- Conflicts ----- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()     masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become
```

```
library(poliscidata)
```

```
Registered S3 method overwritten by 'gdata':
  method      from
reorder.factor gplots
```

Please upload your completed assignment to the ELMs course site (under the assignments menu). Remember to include an annotated script file for all work with R and show your math for all other problems (if applicable, or necessary). Please also upload your completed assignment to the Github repository that you have shared with us. *We should be able to run your script with no errors.*

Total points: 25

Question 1

Points: 5

Using the `gss` dataset (which has survey data with the individual respondent as the unit of analysis), create a frequency distribution and bar chart for each of the following variables: `degree` and `partyid_3`. Describe the distribution of each variable in detail.

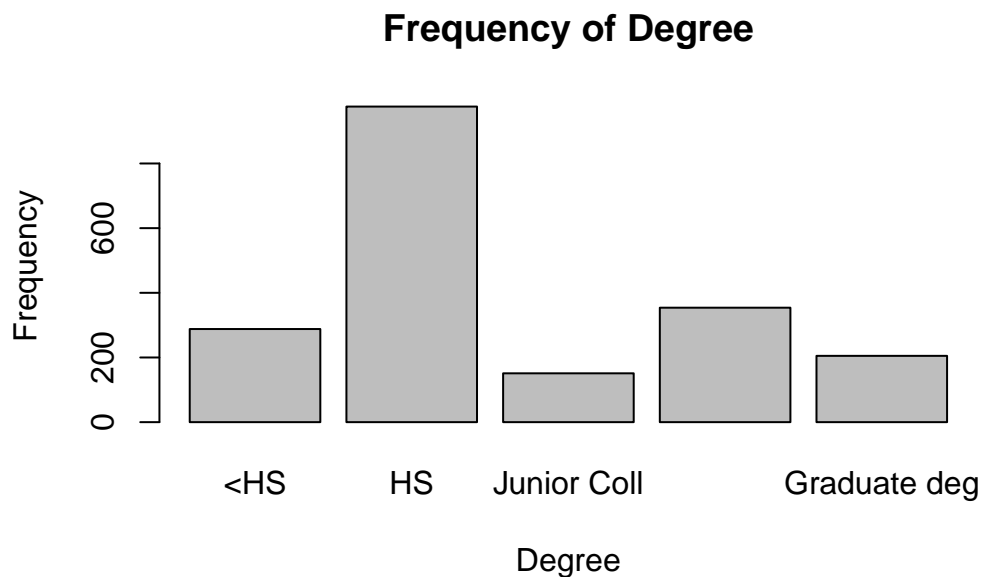
i Note

The `gss` dataset can be found in `poliscidata::gss`. Take a look at `?gss` to see what these variables measure.

```
degree_data <- select(poliscidata::gss, degree)

degree <- table(degree_data)

barplot(degree, main = "Frequency of Degree", xlab = "Degree", ylab = "Frequency")
```



```
summary(degree)
```

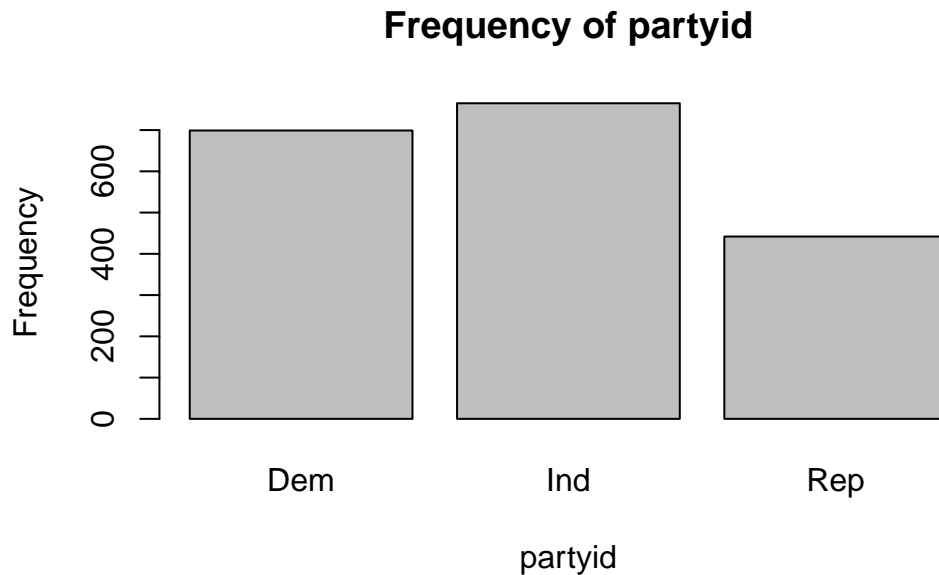
Number of cases in table: 1974

Number of factors: 1

```
partyid_data <- select(poliscidata::gss, partyid_3)

partyid <- table(partyid_data)

barplot(partyid, main = "Frequency of partyid", xlab = "partyid", ylab = "Frequency")
```



```
summary(partyid)
```

Number of cases in table: 1906

Number of factors: 1

Question 2

Examine the following vector of (fake) student IQ test scores:

```
iq <- c(
  145, 139, 126, 122, 125, 130, 96, 110, 118, 118, 101, 142, 134, 124, 112, 109,
  134, 113, 81, 113, 123, 94, 100, 136, 109, 131, 117, 110, 127, 124, 106, 124,
```

```
115, 133, 116, 102, 127, 117, 109, 137, 117, 90, 103, 114, 139, 101, 122, 105,  
97, 89, 102, 108, 110, 128, 114, 112, 114, 102, 82, 101  
)
```

Part A

Points: 5

Find the five-number summary, mean, and standard deviation for these data. Also, are there any suspected outliers in the distribution? If so, what are they and how do you know?

```
summary(iq)
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
81.0	104.5	114.0	115.0	125.2	145.0

```
iq_sd <- sd(iq)  
iq_sd
```

```
[1] 14.80093
```

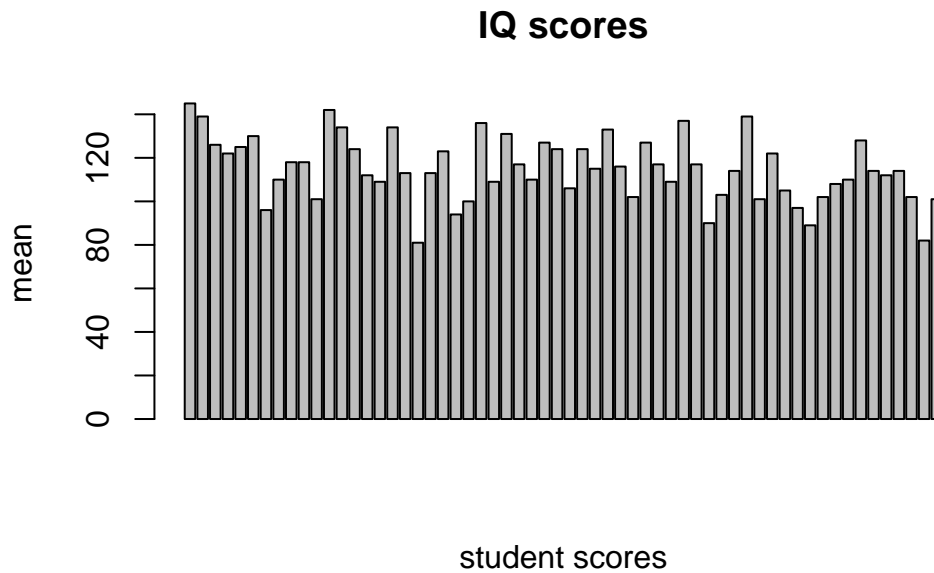
ANSWER:

Part B

Points: 5

In large populations, IQ scores are standardized to have a mean of 100 and a standard deviation of 15. In what way does the distribution among these students differ from the overall population?

```
mean <- mean(iq)  
  
sd <- sd(iq)  
  
standard <- (iq - mean)/sd * 15 + 100  
  
barplot(iq, main = "IQ scores", xlab = "student scores", ylab = "mean")
```



The distribution in this barplot

Question 3

Points: 5

A polling firm is interested in determining how different characteristics of an individual affect vote choice. They record the following characteristics for each survey respondent - race, age, household income, and party affiliation. What “type” of variable does each characteristic most likely represent?

Race is the categorical variable

Age is the continuous variable

Household income is the continuous

Party affiliation is the Categorical

Question 4

Points: 5

Using the `states` dataset (the unit of analysis is each U.S. state), generate a box plot and density curve for each of the `vep12_turnout` and `cig_tax12` variables. Describe the distribution of each variable in detail.

i Note

The `states` data set can be found in `poliscidata::states`. Take a look at `?states` to see what these variables measure.

```
poliscidata::states
```

	abort_rank3	abortion_rank12	adv_or_more	ba_or_more	cig_tax12	cig_tax12_3
1	Less restr	35	9.0	26.6	2.000	HiTax
2	Mid	20	7.7	22.0	0.425	LoTax
3	More restr	4	6.1	18.9	1.150	MidTax
4	More restr	5	9.3	25.6	2.000	HiTax
5	Less restr	49	10.7	29.9	0.870	MidTax
6	Mid	25	12.7	35.9	0.840	MidTax
7	Less restr	45	15.5	35.6	3.400	HiTax
8	Mid	30	11.4	28.7	1.600	MidTax
9	Mid	26	9.0	25.3	1.339	MidTax
10	More restr	9	9.9	27.5	0.370	LoTax
11	Less restr	42	9.9	29.6	3.200	HiTax
12	Less restr	37	7.4	25.1	1.360	MidTax
13	Mid	22	7.5	23.9	0.570	LoTax
14	Less restr	36	11.7	30.6	1.980	HiTax
15	More restr	7	8.1	22.5	0.995	MidTax
16	More restr	11	10.2	29.5	0.790	LoTax
17	More restr	17	8.5	21.0	0.600	LoTax
18	More restr	1	6.9	21.4	0.360	LoTax
19	Less restr	40	16.4	38.2	2.510	HiTax
20	Less restr	43	16.0	35.7	2.000	HiTax
21	Mid	31	9.6	26.9	2.000	HiTax
22	Mid	18	9.4	24.6	2.000	HiTax
23	Mid	28	10.3	31.5	1.600	MidTax
24	More restr	8	9.5	25.2	0.170	LoTax
25	More restr	15	7.1	19.6	0.680	LoTax
26	Less restr	41	8.3	27.4	1.700	MidTax
27	Mid	27	8.8	26.5	0.450	LoTax
28	More restr	12	6.7	25.8	0.440	LoTax
29	More restr	6	8.8	27.4	0.640	LoTax
30	Mid	32	11.2	32.0	1.680	MidTax

31	Less restr	46	12.9	34.5	2.700	HiTax
32	Less restr	38	10.4	25.3	1.660	MidTax
33	Less restr	39	7.6	21.8	0.800	LoTax
34	Less restr	48	14.0	32.4	4.350	HiTax
35	More restr	16	8.8	24.1	1.250	MidTax
36	More restr	2	7.4	22.7	1.030	MidTax
37	Less restr	44	10.4	29.2	1.180	MidTax
38	More restr	3	10.2	26.4	1.600	MidTax
39	Mid	29	11.7	30.5	3.460	HiTax
40	Mid	19	8.4	24.3	0.570	LoTax
41	More restr	13	7.3	25.1	1.530	MidTax
42	Mid	23	7.9	23.0	0.620	LoTax
43	More restr	14	8.5	25.5	1.410	MidTax
44	Mid	24	9.1	28.5	1.700	MidTax
45	More restr	10	14.1	34.0	0.300	LoTax
46	Less restr	47	13.3	33.1	2.620	HiTax
47	Less restr	50	11.1	31.0	3.025	HiTax
48	Mid	21	8.4	25.7	2.520	HiTax
49	Mid	33	6.7	17.3	0.550	LoTax
50	Mid	34	7.9	23.8	0.600	LoTax

	conserv_advantage	conserv_public	dem_advantage	govt_worker	gun_rank3
1	21.3	43.1	-12.2	28.0	Less restr
2	36.0	44.7	-14.6	17.5	Mid
3	26.7	45.2	-1.4	17.6	Less restr
4	19.5	36.0	-3.5	15.5	Less restr
5	6.3	30.8	14.9	14.9	More restr
6	15.7	36.9	-2.4	15.7	More restr
7	1.8	27.4	17.0	15.9	More restr
8	6.3	32.3	15.9	16.1	Mid
9	17.2	36.8	4.5	14.5	Less restr
10	25.8	41.8	-4.7	17.8	Mid
11	4.2	27.2	24.0	27.8	More restr
12	20.2	40.1	4.3	14.0	Mid
13	30.1	47.5	-27.6	15.6	Less restr
14	10.5	32.4	16.7	14.1	More restr
15	23.4	41.1	-4.3	11.5	Less restr
16	21.6	41.7	-16.3	17.2	Less restr
17	20.0	40.9	1.5	17.5	Less restr
18	30.4	44.1	-1.3	19.9	Less restr
19	-2.2	27.4	20.0	15.8	More restr
20	5.2	31.8	23.1	25.5	More restr
21	11.3	32.6	8.2	14.4	Mid
22	12.4	34.6	12.3	12.7	More restr

23	10.2	36.2	11.3	12.6	Mid
24	20.6	42.9	-3.6	12.4	Less restr
25	32.8	47.9	-5.1	19.1	Less restr
26	26.7	45.2	-13.4	16.5	Less restr
27	20.9	40.0	2.9	18.1	More restr
28	33.9	42.9	-18.5	18.0	Less restr
29	25.7	41.7	-16.9	13.8	Mid
30	11.0	36.9	0.4	13.0	Mid
31	5.5	29.6	13.1	16.5	More restr
32	15.5	37.1	7.0	21.8	Less restr
33	15.6	35.7	-2.0	14.2	Mid
34	4.0	29.3	22.1	17.6	More restr
35	18.1	37.9	5.5	13.4	Mid
36	29.5	45.0	-9.8	17.0	Less restr
37	3.7	33.6	7.2	14.4	More restr
38	15.2	37.1	6.2	11.7	More restr
39	-0.5	33.8	23.1	15.5	More restr
40	26.6	45.1	-7.4	18.0	Mid
41	21.7	42.7	-4.9	14.5	Less restr
42	26.3	44.9	-4.8	17.7	Mid
43	23.2	40.5	-4.5	14.5	Less restr
44	31.8	46.9	-36.7	13.5	Less restr
45	18.4	37.0	-1.4	22.8	Mid
46	1.8	26.8	16.9	12.9	Mid
47	4.6	34.3	9.8	19.0	More restr
48	18.5	39.4	4.1	13.9	Less restr
49	25.2	41.6	2.7	20.8	Less restr
50	35.3	51.4	-30.0	17.6	Less restr

	gun_rank11	gun_scale11	hr_cons_rank11	hr_conserv11	hr_lib_rank11
1	50	0	200.0000	55.66667	228.0000
2	17	14	151.7143	65.61905	277.5714
3	39	4	132.5000	69.33333	295.2500
4	50	0	155.5714	62.59524	269.8571
5	1	81	274.2885	54.78931	152.4038
6	15	15	161.5714	59.16667	265.8571
7	5	58	338.2000	20.70000	91.0000
8	18	13	273.0000	35.00000	156.0000
9	41	3	165.3200	61.20000	263.0400
10	22	8	180.0769	57.89744	247.4615
11	6	50	377.5000	13.08333	51.0000
12	25	7	227.8000	46.53333	201.8000
13	47	2	155.5000	66.91667	274.0000
14	9	35	245.4737	44.44737	182.7895

15	39	4	140.7778	64.81481	288.0000	
16	39	4	43.0000	85.37500	385.0000	
17	47	2	197.3333	55.27778	231.6667	
18	47	2	126.2857	69.61905	302.2857	
19	3	65	372.4000	14.48333	53.0000	
20	7	45	297.1250	31.10417	130.1250	
21	25	7	337.5000	20.41667	91.5000	
22	11	25	207.0667	51.62222	220.7333	
23	17	14	216.5000	49.72917	210.0000	
24	39	4	192.4444	55.00000	234.6667	
25	39	4	137.2500	65.45833	291.2500	
26	47	2	197.0000	56.50000	233.0000	
27	12	16	202.4615	51.47436	226.6154	
28	47	2	150.0000	68.16667	278.0000	
29	29	5	141.3333	68.05556	288.3333	
30	27	6	132.0000	66.83333	297.5000	
31	2	72	277.9231	36.52564	148.8462	
32	39	4	214.0000	47.27778	215.0000	
33	29	5	242.5000	44.41667	186.5000	
34	4	62	308.7037	63.29167	119.1481	
35	25	7	167.8824	59.39216	260.7647	
36	47	2	157.4000	64.40000	272.4000	
37	15	15	274.8000	35.66667	154.6000	
38	10	26	216.2632	50.60526	213.0000	
39	8	44	332.0000	21.58333	97.5000	
40	22	8	142.5000	66.97222	286.0000	
41	39	4	129.0000	73.00000	300.0000	
42	22	8	131.5556	67.90741	295.6667	
43	39	4	139.4062	65.56250	289.3750	
44	50	0	194.0000	57.61111	235.3333	
45	19	12	183.0000	57.65152	246.2727	
46	27	6	319.0000	25.00000	111.0000	
47	15	15	241.8889	43.98148	187.2222	
48	41	3	223.0000	49.87500	205.2500	
49	39	4	226.0000	49.55556	203.0000	
50	39	4	126.0000	73.50000	303.0000	
hr_liberal11 hs_or_more obama2012 obama_win12 pop2000 pop2010						
1	44.33333	91.4	40.81	No	626932	710231
2	34.38095	82.1	38.36	No	4447100	4779736
3	30.66667	82.4	36.88	No	2673400	2915918
4	37.40476	84.2	44.45	No	5130632	6392017
5	81.02201	80.6	60.19	Yes	33871648	37253956
6	40.83333	89.3	51.45	Yes	4301261	5029196

7	79.30000	88.6	58.06	Yes	3405565	3574097
8	65.00000	87.4	58.61	Yes	783600	897934
9	38.80000	85.3	49.91	Yes	15982378	18801310
10	42.10256	83.9	45.43	No	8186453	9687653
11	86.91667	90.4	70.55	Yes	1211537	1360301
12	53.46667	90.5	51.99	Yes	2926324	3046355
13	33.08333	88.4	32.40	No	1293953	1567582
14	55.55263	86.4	57.55	Yes	12419293	12830632
15	35.18519	86.6	43.85	No	6080485	6483802
16	14.62500	89.7	37.99	No	2688418	2853118
17	44.72222	81.7	37.80	No	4041769	4339367
18	30.38095	82.2	40.58	No	4468976	4533372
19	85.51667	89.0	60.65	Yes	6349097	6547629
20	68.89583	88.2	61.97	Yes	5296486	5773552
21	79.58333	90.2	56.27	Yes	1274923	1328361
22	48.37778	87.9	54.09	Yes	9938444	9883640
23	50.27083	91.5	52.65	Yes	4919479	5303925
24	45.00000	86.8	44.38	No	5595211	5988927
25	34.54167	80.4	43.79	No	2844658	2967297
26	43.50000	90.8	41.66	No	902195	989415
27	48.52564	84.3	48.35	No	8049313	9535483
28	31.83333	90.1	38.70	No	642200	672591
29	31.94444	89.8	38.03	No	1711263	1826341
30	33.16667	91.3	51.98	Yes	1235786	1316470
31	63.47436	87.4	58.25	Yes	8414350	8791894
32	52.72222	82.8	52.99	Yes	1819046	2059179
33	55.58333	83.9	52.36	Yes	1998257	2700551
34	104.49405	84.7	63.33	Yes	18976457	19378102
35	40.60784	87.6	50.58	Yes	11353140	11536504
36	35.60000	85.6	33.23	No	3450654	3751351
37	64.33333	89.1	54.24	Yes	3421399	3831074
38	49.39474	87.9	51.96	Yes	12281054	12702379
39	78.41667	84.7	62.70	Yes	1048319	1052567
40	33.02778	83.6	44.09	No	4012012	4625364
41	27.00000	89.9	39.87	No	754844	814180
42	32.09259	83.1	39.04	No	5689283	6346105
43	34.43750	79.9	41.37	No	20851820	25145561
44	42.38889	90.4	24.67	No	2233169	2763885
45	42.34848	86.6	51.16	Yes	7078515	8001024
46	75.00000	91.0	66.57	Yes	608827	625741
47	56.01852	89.7	55.81	Yes	5894121	6724540
48	50.12500	89.8	52.83	Yes	5363675	5686986
49	50.44444	82.8	35.53	No	1808344	1852994

50	26.50000	91.8	27.82	No	493782	563626
	pop2010_hun_thou	popchnng0010	popchnngpct		pot_policy	prochoice
1	7.10231	83299	13.3	Medicinal		58
2	47.79736	332636	7.5	Decrim		36
3	29.15918	242518	9.1	Not legal		40
4	63.92017	1261385	24.6	Medicinal		56
5	372.53956	3382308	10.0	Medicinal / Decrim.		65
6	50.29196	727935	16.9	Medicinal / Decrim.		61
7	35.74097	168532	4.9	Medicinal / Decrim.		68
8	8.97934	114334	14.6	Medicinal		63
9	188.01310	2818932	17.6	Pending legis		58
10	96.87653	1501200	18.3	Not legal		52
11	13.60301	148764	12.3	Medicinal		57
12	30.46355	120031	4.1	Pending legis		56
13	15.67582	273629	21.1	Not legal		41
14	128.30632	411339	3.3	Pending legis		58
15	64.83802	403317	6.6	Not legal		47
16	28.53118	164700	6.1	Not legal		50
17	43.39367	297598	7.4	Pending legis		42
18	45.33372	64396	1.4	Not legal		36
19	65.47629	198532	3.1	Medicinal / Decrim.		68
20	57.73552	477066	9.0	Not legal		65
21	13.28361	53438	4.2	Medicinal / Decrim.		63
22	98.83640	-54804	-0.6	Medicinal		55
23	53.03925	384446	7.8	Decrim		56
24	59.88927	393716	7.0	Pending legis		45
25	29.67297	122639	4.3	Not legal		39
26	9.89415	87220	9.7	Medicinal		53
27	95.35483	1486170	18.5	Decrim		47
28	6.72591	30391	4.7	Not legal		47
29	18.26341	115078	6.7	Decrim		49
30	13.16470	80684	6.5	Pending legis		67
31	87.91894	377544	4.5	Medicinal		63
32	20.59179	240133	13.2	Medicinal		56
33	27.00551	702294	35.1	Medicinal / Decrim.		64
34	193.78102	401645	2.1	Decrim		66
35	115.36504	183364	1.6	Decrim		52
36	37.51351	300697	8.7	Not legal		47
37	38.31074	409675	12.0	Medicinal / Decrim.		62
38	127.02379	421325	3.4	Pending legis		51
39	10.52567	4248	0.4	Medicinal		63
40	46.25364	613352	15.3	Not legal		47
41	8.14180	59336	7.9	Not legal		47

42	63.46105	656822	11.5	Not legal	42		
43	251.45561	4293741	20.6	Not legal	52		
44	27.63885	530716	23.8	Not legal	33		
45	80.01024	922509	13.0	Not legal	54		
46	6.25741	16914	2.8	Medicinal	70		
47	67.24540	830419	14.1	Medicinal / Decrim.	63		
48	56.86986	323311	6.0	Not legal	57		
49	18.52994	44650	2.5	Pending legis	39		
50	5.63626	69844	14.1	Not legal	57		
	prolife	relig_cath	relig_prot	relig_high	relig_low	religiosity3	romney2012
1	37	14.6	50.0	31.3	39.5	Low	54.80
2	54	6.6	79.3	55.7	14.3	High	60.55
3	55	5.9	78.6	52.3	18.7	High	60.57
4	39	27.3	43.3	36.6	33.9	Mid	53.48
5	28	31.9	37.8	34.5	36.6	Low	37.09
6	34	21.9	46.1	33.5	39.3	Low	46.09
7	26	41.5	32.1	30.5	40.4	Low	40.72
8	31	25.6	52.0	35.2	33.7	Mid	39.98
9	36	25.4	51.2	37.6	30.7	Mid	49.03
10	43	10.6	70.3	47.9	20.3	High	53.24
11	35	25.8	42.2	31.4	40.3	Low	27.84
12	41	22.6	58.1	41.3	31.6	Mid	46.18
13	55	13.2	39.6	45.1	34.0	High	64.09
14	33	29.4	47.9	38.0	32.2	Mid	40.69
15	50	17.1	61.8	42.7	28.7	Mid	54.03
16	45	20.3	61.4	45.1	26.0	High	59.71
17	51	13.8	67.4	45.4	24.6	High	60.49
18	57	28.8	56.2	53.3	17.1	High	57.78
19	28	43.0	27.4	26.5	46.5	Low	37.51
20	29	22.6	52.2	36.7	31.1	Mid	35.90
21	33	22.3	46.0	24.4	49.1	Low	40.98
22	42	23.0	53.7	36.5	33.6	Mid	44.61
23	39	25.8	50.3	38.2	33.6	Mid	44.96
24	48	16.1	62.2	42.1	28.4	Mid	53.76
25	53	6.3	80.3	58.4	11.2	High	55.29
26	42	20.0	53.3	34.0	36.9	Low	55.30
27	44	10.7	70.7	49.5	20.8	High	50.39
28	47	23.8	58.3	41.6	29.0	Mid	58.32
29	47	25.3	56.4	44.2	28.5	High	59.80
30	29	32.8	33.8	23.4	49.8	Low	46.40
31	31	42.3	33.0	34.7	34.6	Low	40.50
32	39	30.7	42.4	43.2	29.8	Mid	42.84
33	32	26.3	42.1	31.4	40.2	Low	45.68

34	27	37.3	32.5	31.5	38.5	Low	35.19
35	42	20.9	56.7	38.2	30.8	Mid	47.60
36	48	9.6	72.1	47.6	22.4	High	66.77
37	33	13.8	48.9	28.8	44.6	Low	42.15
38	44	28.0	50.3	39.5	32.1	Mid	46.58
39	32	44.1	31.1	29.1	43.8	Low	35.24
40	43	9.1	74.2	51.9	18.0	High	54.56
41	49	24.8	56.9	45.6	27.3	High	57.89
42	51	7.9	75.9	50.3	19.3	High	59.42
43	43	28.4	54.1	47.0	21.5	High	57.15
44	61	8.3	12.3	56.0	26.6	High	72.56
45	39	14.4	62.6	41.1	26.9	Mid	47.28
46	25	25.2	40.6	19.1	57.1	Low	30.97
47	32	17.1	45.7	30.5	44.4	Low	41.03
48	39	30.7	47.6	36.7	34.4	Mid	45.89
49	53	8.7	72.4	41.9	26.2	Mid	62.27
50	39	13.9	48.7	32.8	40.5	Low	68.64

	smokers12	stateid	to_0812	uninsured_pct	abort_rate05	abort_rate08	abortionlaw3
1	24	AK	-9.4	21.8	13.6	12.0	0-5 restr
2	25	AL	-2.9	18.8	11.9	12.0	6-8 restr
3	26	AR	-2.9	21.9	8.3	8.7	9-10 restr
4	21	AZ	-3.1	20.5	16.0	15.2	6-8 restr
5	15	CA	-6.5	23.2	27.1	27.6	0-5 restr
6	20	CO	0.5	17.1	16.1	15.7	0-5 restr
7	18	CT	-6.3	9.9	23.6	24.6	0-5 restr
8	21	DE	-3.5	9.6	28.8	40.0	0-5 restr
9	21	FL	-4.0	22.8	26.8	27.2	6-8 restr
10	21	GA	-3.0	22.5	16.3	19.2	9-10 restr
11	16	HI	-6.3	10.5	21.8	22.6	0-5 restr
12	22	IA	0.0	11.8	10.6	11.3	6-8 restr
13	18	ID	-3.7	17.2	6.1	6.0	9-10 restr
14	21	IL	-3.9	17.2	18.9	20.5	6-8 restr
15	25	IN	-4.3	16.7	8.6	8.3	9-10 restr
16	19	KS	-5.7	14.6	18.4	19.2	6-8 restr
17	29	KY	-2.6	19.8	4.4	5.1	6-8 restr
18	26	LA	-1.7	24.0	11.7	16.1	9-10 restr
19	17	MA	0.1	4.5	19.9	18.3	6-8 restr
20	19	MD	-1.5	12.3	31.5	29.0	0-5 restr
21	20	ME	-3.3	14.8	10.5	11.2	0-5 restr
22	24	MI	-4.2	15.4	19.4	18.4	6-8 restr
23	17	MN	-2.5	11.5	12.7	12.7	6-8 restr
24	26	MO	-5.6	16.4	6.9	6.3	9-10 restr
25	26	MS	-1.3	21.7	4.9	4.6	6-8 restr

26	20	MT	-3.7	16.9	11.7	12.3	6-8 restr
27	23	NC	-1.2	19.4	18.8	17.5	6-8 restr
28	17	ND	-4.4	13.8	9.6	11.2	9-10 restr
29	21	NE	-2.5	15.9	8.9	8.1	6-8 restr
30	17	NH	-1.2	13.6	11.7	12.3	0-5 restr
31	18	NJ	-4.3	15.2	34.3	31.3	0-5 restr
32	20	NM	-5.6	20.1	15.7	15.5	0-5 restr
33	24	NV	-1.5	23.3	27.0	25.9	6-8 restr
34	19	NY	-4.8	13.0	38.2	37.6	0-5 restr
35	26	OH	-2.1	14.7	14.9	14.7	6-8 restr
36	26	OK	-7.5	21.4	9.5	9.9	9-10 restr
37	18	OR	-4.6	17.6	17.7	17.3	0-5 restr
38	22	PA	-4.8	11.9	13.8	17.0	6-8 restr
39	20	RI	-4.5	15.2	23.2	22.9	6-8 restr
40	24	SC	-2.0	20.5	7.9	8.1	9-10 restr
41	22	SD	-4.4	14.4	5.1	5.6	9-10 restr
42	25	TN	-5.1	17.6	14.4	15.5	6-8 restr
43	21	TX	-5.0	28.8	17.3	16.5	6-8 restr
44	11	UT	2.1	15.7	6.4	6.7	9-10 restr
45	19	VA	-1.3	14.7	16.5	17.6	9-10 restr
46	18	VT	-6.3	9.2	11.7	12.5	0-5 restr
47	19	WA	-2.9	16.9	17.5	18.3	0-5 restr
48	20	WI	0.0	11.8	8.5	7.4	9-10 restr
49	25	WV	-4.3	19.0	6.7	6.6	0-5 restr
50	21	WY	-6.5	21.3	0.7	0.9	0-5 restr

	abortionlaw10	alcohol	attend_pct	battle04	blkleg	blkpct04	blkpct08	blkpct10
1	5	3.02	22	No	2	3.6	4.3	4.7
2	8	2.01	52	No	25	26.4	26.4	26.8
3	9	1.83	50	No	11	15.8	15.8	16.1
4	6	2.31	29	No	1	3.5	4.2	5.0
5	4	2.33	33	No	5	6.8	6.7	7.2
6	4	2.68	29	Yes	4	4.1	4.3	5.0
7	4	2.34	30	No	7	10.1	10.3	11.3
8	5	3.13	35	No	5	20.4	20.9	22.9
9	7	2.61	35	Yes	14	15.7	15.9	17.0
10	9	1.97	45	No	21	29.6	30.0	31.5
11	2	2.58	35	No	1	2.2	3.1	2.9
12	6	2.31	40	Yes	2	2.3	2.7	3.7
13	9	2.68	45	No	0	0.6	0.9	1.0
14	6	2.33	39	No	16	15.1	14.9	15.4
15	10	2.06	44	No	7	8.8	9.1	10.1
16	8	1.99	48	No	4	5.9	6.2	7.1
17	7	1.94	47	No	4	7.5	7.7	8.7

18	9	2.63	53	No	22	33.0	32.0	32.8
19	6	2.47	30	No	3	6.8	7.0	7.8
20	3	2.21	37	No	22	29.1	29.4	30.9
21	4	2.48	23	No	0	0.7	1.0	1.6
22	8	2.22	38	Yes	14	14.3	14.2	15.2
23	8	2.59	38	Yes	1	4.1	4.6	6.2
24	9	2.42	43	No	9	11.5	11.5	12.5
25	7	2.24	60	No	26	36.8	37.2	37.6
26	6	2.99	31	No	0	0.4	0.7	0.8
27	6	2.02	49	No	14	21.8	21.6	22.6
28	9	3.03	42	No	0	0.7	1.1	1.6
29	8	2.35	47	No	2	4.3	4.5	5.4
30	1	4.38	23	Yes	1	0.9	1.2	1.7
31	5	2.35	36	No	13	14.5	14.5	14.8
32	3	2.42	34	Yes	2	2.4	3.0	2.8
33	6	3.30	30	Yes	11	7.5	8.1	9.4
34	3	2.06	32	No	14	17.5	17.3	17.2
35	8	2.01	36	Yes	14	11.9	12.0	13.4
36	10	1.95	50	No	3	7.7	8.0	8.7
37	1	2.59	32	Yes	3	1.8	2.0	2.6
38	8	2.19	39	Yes	7	10.5	10.8	11.9
39	6	2.55	30	No	4	6.1	6.4	7.4
40	10	2.37	54	No	19	29.4	28.5	28.8
41	9	2.62	42	No	0	0.8	1.1	1.8
42	7	1.83	52	No	14	16.8	16.8	17.4
43	7	2.29	47	No	8	11.7	11.9	12.6
44	9	1.33	57	No	2	0.9	1.3	1.6
45	9	2.13	41	No	11	19.9	19.9	20.7
46	0	2.69	23	No	1	0.6	0.9	1.5
47	2	2.34	33	No	2	3.5	3.7	4.8
48	9	2.96	33	Yes	6	5.9	6.1	7.1
49	4	1.79	43	Yes	0	3.2	3.6	4.2
50	5	2.77	31	No	0	0.9	1.3	1.3

	bush00	bush04	carfatal	carfatal07	cig_tax	cig_tax_3	cigarettes	college
1	58.62096	61.07	17.4	15.2	2.000	\$1.41-\$2.58	6.22	26.7
2	56.48376	62.46	24.9	25.9	0.425	\$.07-\$.64	9.41	21.1
3	51.30720	54.31	25.6	23.7	0.590	\$.07-\$.64	8.51	19.1
4	51.02114	54.83	20.3	17.6	2.000	\$1.41-\$2.58	2.40	24.3
5	41.65137	44.36	12.1	11.7	0.870	\$.695-\$1.36	3.69	29.1
6	50.75021	51.71	17.3	12.3	0.840	\$.695-\$1.36	5.86	34.7
7	38.44360	43.95	10.1	8.7	2.000	\$1.41-\$2.58	5.47	34.6
8	41.90439	45.75	15.0	13.6	1.150	\$.695-\$1.36	17.12	27.6
9	48.84683	52.10	19.1	18.1	0.339	\$.07-\$.64	6.71	25.1

10	54.67182	57.97	17.8	18.5	0.370	\$.07-\$.64	8.22	25.7
11	37.46287	45.26	9.7	10.3	1.800	\$1.41-\$2.58	5.71	28.2
12	48.22065	49.90	14.5	15.0	1.360	\$.695-\$1.36	8.01	22.5
13	67.16964	68.38	22.1	18.5	0.570	\$.07-\$.64	6.71	24.0
14	42.58475	44.48	12.5	10.6	0.980	\$.695-\$1.36	5.43	28.1
15	56.64688	59.94	15.6	14.8	0.995	\$.695-\$1.36	10.47	21.0
16	58.04155	62.00	20.7	15.9	0.790	\$.695-\$1.36	7.13	28.7
17	56.50171	59.55	22.6	20.0	0.300	\$.07-\$.64	18.95	18.7
18	52.55106	56.72	21.4	24.0	0.360	\$.07-\$.64	8.16	21.3
19	32.50119	36.78	8.8	6.7	1.510	\$1.41-\$2.58	4.48	35.9
20	40.17798	42.93	13.2	12.0	1.000	\$.695-\$1.36	5.09	34.5
21	43.97185	44.58	16.6	14.7	2.000	\$1.41-\$2.58	7.30	25.9
22	46.14621	47.81	13.8	12.0	2.000	\$1.41-\$2.58	7.60	24.3
23	45.50235	47.61	14.8	11.7	1.490	\$1.41-\$2.58	6.63	30.6
24	50.42282	53.30	21.4	17.6	0.170	\$.07-\$.64	9.68	24.1
25	57.61952	59.44	30.6	31.6	0.180	\$.07-\$.64	9.35	18.7
26	58.43790	59.07	28.0	27.6	1.700	\$1.41-\$2.58	7.31	25.7
27	56.02941	56.02	20.3	20.0	0.350	\$.07-\$.64	8.50	24.3
28	60.65858	62.86	17.5	17.5	0.440	\$.07-\$.64	6.26	25.1
29	62.24536	65.90	19.5	15.7	0.640	\$.07-\$.64	5.31	25.3
30	48.07031	48.88	9.8	10.3	1.080	\$.695-\$1.36	14.18	30.3
31	40.29124	46.24	9.1	8.2	2.580	\$1.41-\$2.58	4.89	32.1
32	47.84741	49.84	22.8	19.2	0.910	\$.695-\$1.36	4.92	23.8
33	49.52214	50.47	17.8	16.0	0.800	\$.695-\$1.36	6.63	19.5
34	35.22976	40.08	8.8	7.4	1.500	\$1.41-\$2.58	3.34	29.8
35	49.96771	50.81	14.0	12.1	1.250	\$.695-\$1.36	8.72	22.9
36	60.30785	65.57	21.9	20.4	1.030	\$.695-\$1.36	10.04	21.9
37	46.51838	47.19	13.1	13.0	1.180	\$.695-\$1.36	5.01	26.4
38	46.42930	48.42	14.1	12.5	1.350	\$.695-\$1.36	7.31	24.2
39	31.91180	38.67	8.9	7.6	2.460	\$1.41-\$2.58	6.17	29.1
40	56.84005	57.98	24.9	24.2	0.070	\$.07-\$.64	10.46	23.2
41	60.29677	59.91	24.4	18.3	1.530	\$1.41-\$2.58	6.88	23.1
42	51.14915	56.80	21.6	21.0	0.620	\$.07-\$.64	9.40	21.5
43	59.29860	61.09	18.5	16.2	1.410	\$1.41-\$2.58	5.61	24.5
44	66.83014	71.54	14.2	12.4	0.695	\$.695-\$1.36	3.58	26.2
45	52.47373	53.68	13.2	13.9	0.300	\$.07-\$.64	10.10	32.2
46	40.69716	38.80	12.7	10.9	1.790	\$1.41-\$2.58	7.61	32.0
47	44.57865	45.64	12.5	9.9	2.025	\$1.41-\$2.58	4.15	30.2
48	47.61316	49.32	16.0	14.2	0.770	\$.695-\$1.36	7.62	23.8
49	51.91522	56.06	23.0	23.6	0.550	\$.07-\$.64	12.42	17.0
50	67.75650	68.86	31.5	25.3	0.600	\$.07-\$.64	8.05	23.7
	conpct_m	cons_hr06	cons_hr09	cook_index	cook_index3	defexpen	demhr11	
1	36.32479	72.00000	75.00	-13.4	More Rep	3556	0.00000	

2	40.67797	77.71429	72.00	-13.2	More Rep	1757	14.28571
3	38.87755	56.25000	28.50	-8.8	More Rep	530	25.00000
4	33.33333	69.00000	49.50	-6.1	Even	1771	28.57143
5	28.46612	37.33962	35.09	7.4	More Dem	1106	64.15094
6	32.38599	63.42857	30.29	-0.2	Even	1139	42.85714
7	27.27273	31.20000	1.60	7.1	More Dem	2453	100.00000
8	30.15267	52.00000	56.00	7.0	More Dem	690	100.00000
9	32.10125	64.20000	55.36	-1.8	Even	938	24.00000
10	38.11538	69.61538	57.62	-6.8	Even	1037	38.46154
11	28.35249	16.50000	0.00	12.5	More Dem	3566	100.00000
12	35.64516	71.00000	35.20	1.0	Even	342	60.00000
13	34.65553	86.00000	64.00	-17.4	More Rep	478	0.00000
14	29.72837	45.26316	34.95	7.7	More Dem	390	42.10526
15	37.61271	71.44444	51.00	-6.2	Even	589	33.33333
16	38.70403	70.75000	71.00	-11.5	More Rep	925	0.00000
17	35.59211	75.33333	62.67	-10.4	More Rep	1285	33.33333
18	40.57971	77.57143	79.14	-9.7	More Rep	802	14.28571
19	22.75420	7.60000	0.80	11.7	More Dem	1154	100.00000
20	28.47185	25.00000	16.00	8.5	More Dem	2071	75.00000
21	32.84072	10.00000	4.00	5.5	More Dem	1389	100.00000
22	32.63281	52.73333	41.87	3.8	More Dem	343	40.00000
23	29.08716	55.37500	40.00	2.3	Even	419	50.00000
24	36.24413	56.22222	53.44	-3.1	Even	1401	33.33333
25	46.82927	67.50000	48.00	-9.5	More Rep	1265	25.00000
26	37.55981	83.00000	92.00	-7.1	Even	606	0.00000
27	38.30977	59.69231	43.15	-4.3	Even	893	53.84615
28	42.94294	38.00000	8.00	-10.4	More Rep	1123	0.00000
29	38.10710	86.33333	92.00	-13.5	More Rep	632	0.00000
30	29.65517	64.00000	2.00	1.6	Even	642	0.00000
31	30.56027	36.69231	28.92	4.4	More Dem	617	53.84615
32	26.09223	54.33333	10.67	2.4	Even	1151	66.66667
33	32.58845	61.33333	32.00	1.3	Even	611	50.00000
34	28.66383	28.06897	8.72	10.2	More Dem	328	71.42857
35	33.62688	59.55556	44.28	-0.7	Even	593	29.41176
36	41.73778	86.40000	84.60	-16.9	More Rep	1135	20.00000
37	31.13278	30.40000	20.00	4.0	More Dem	308	80.00000
38	31.70570	56.63158	34.37	2.0	Even	651	36.84211
39	23.07692	13.00000	2.00	11.2	More Dem	1003	100.00000
40	38.52339	68.50000	64.00	-7.8	Even	1027	16.66667
41	39.15344	60.00000	20.00	-8.9	More Rep	656	0.00000
42	39.13466	72.44444	51.22	-8.7	More Rep	598	22.22222
43	39.69081	67.40625	63.09	-10.0	More Rep	1372	28.12500
44	39.10172	80.33333	74.67	-20.2	More Rep	1319	33.33333

45	33.93822	64.36364	48.73	-1.7	Even	4425	27.27273
46	22.37762	8.00000	0.00	13.4	More Dem	986	100.00000
47	31.29737	36.11111	29.33	5.0	More Dem	1256	55.55556
48	32.74501	49.00000	36.50	2.4	Even	330	37.50000
49	35.27778	58.00000	30.00	-7.9	More Rep	282	33.33333
50	34.19689	91.00000	100.00	-19.7	More Rep	747	0.00000
	dem_hr09	demnat06	dempct_m	demstate06	demstate09	demstate13	density
1	0.00000	0.00000	26.14108	43.33333	46.66667	36.66667	1.2
2	42.85714	22.22222	38.87628	60.71429	57.85714	35.71429	94.4
3	75.00000	83.33333	43.06358	75.55556	72.59259	46.66667	56.0
4	62.50000	20.00000	31.93651	44.44444	41.11111	41.11111	56.3
5	64.15094	63.63636	41.29714	60.83333	64.16667	66.66667	239.1
6	71.42857	44.44000	29.67782	59.00000	59.00000	55.00000	48.5
7	100.00000	57.14286	33.00971	70.05348	73.79679	64.70588	738.1
8	0.00000	66.66667	37.94326	50.00000	64.51613	64.51613	460.8
9	40.00000	29.63000	37.47861	34.37500	36.25000	37.50000	350.6
10	46.15385	40.00000	38.33150	40.67797	41.10169	33.05085	168.4
11	100.00000	100.00000	40.44944	82.89474	89.47368	89.47368	211.8
12	166.66667	28.57143	30.84465	56.00000	58.66667	48.66667	54.5
13	50.00000	0.00000	23.27416	24.76190	23.80952	19.04762	19.0
14	63.15789	57.14000	39.26247	58.19209	60.45198	62.71186	231.1
15	55.55556	27.27000	30.96405	45.33333	46.00000	29.33333	181.0
16	25.00000	16.66667	29.34872	35.15152	34.54545	26.66667	34.9
17	33.33333	12.50000	48.35566	55.79710	57.97101	50.00000	109.9
18	14.28571	33.33000	46.43720	60.41667	51.38889	41.66667	104.9
19	100.00000	100.00000	33.62546	88.00000	89.00000	83.50000	839.4
20	87.50000	80.00000	50.71605	73.93617	72.87234	70.74468	594.8
21	100.00000	50.00000	23.70031	57.52688	62.36559	58.06452	43.1
22	53.33333	47.05882	35.59466	50.67568	56.75676	42.56757	174.8
23	62.50000	50.00000	35.31998	64.17910	66.16915	55.72139	66.6
24	44.44444	27.27000	36.27538	42.63959	43.14721	31.97970	87.1
25	75.00000	33.33333	40.29038	56.89655	58.04598	45.40230	63.2
26	0.00000	33.33333	28.69757	50.00000	48.66667	40.00000	6.8
27	61.53846	40.00000	40.89399	57.64706	57.64706	35.88235	196.1
28	100.00000	100.00000	29.25373	38.29787	40.42553	25.53191	9.7
29	0.00000	20.00000	29.03226	NA	NA	0.00000	23.8
30	100.00000	0.00000	23.95833	59.66981	56.36792	54.71698	147.0
31	69.23077	66.67000	40.46053	59.16667	59.16667	60.00000	1195.5
32	100.00000	40.00000	36.21028	58.92857	64.28571	56.25000	17.0
33	66.66667	40.00000	32.68893	58.73016	63.49206	60.31746	24.6
34	93.10345	70.97000	41.29213	64.62264	66.50943	63.84977	411.2
35	55.55556	30.00000	35.70183	43.93939	49.24242	37.12121	282.3
36	20.00000	14.28571	46.98709	45.63758	40.93960	27.51678	54.7

37	80.00000	71.42857	38.78136	53.33333	60.00000	55.55556	39.9
38	63.15789	33.33333	40.14523	48.61660	49.01186	45.84980	283.9
39	100.00000	75.00000	36.20178	82.30088	90.26549	89.38053	1018.1
40	33.33333	25.00000	33.69714	41.76471	42.35294	37.64706	153.9
41	100.00000	66.66667	35.58897	33.33333	36.19048	22.85714	10.7
42	55.55556	45.45455	34.53014	52.27273	46.96970	26.51515	153.9
43	34.37500	32.35000	35.81657	44.19890	47.51381	37.01657	96.3
44	33.33333	20.00000	22.93814	26.92308	28.84615	18.26923	33.6
45	54.54545	23.07692	33.40708	40.71429	47.14286	36.42857	202.6
46	100.00000	100.00000	32.66667	64.44444	65.55556	65.55556	67.9
47	66.66667	72.72727	31.81226	64.62585	64.62585	55.10204	101.2
48	62.50000	60.00000	35.47204	49.24242	53.03030	40.90909	105.0
49	66.66667	80.00000	47.46193	70.89552	73.88060	58.95522	77.1
50	0.00000	0.00000	25.24272	26.66667	27.77778	13.33333	5.8

	division	earmarks_pcap	evm	evo	evo2012	evr2012	gay_policy
1	Pacific	425.5	3	0	0	3	Conservative
2	E. South Cent	38.9	9	0	0	9	Most conservative
3	W. South Cent	26.7	6	0	0	6	Most conservative
4	Mountain	20.9	10	0	0	11	Conservative
5	Pacific	12.5	0	55	55	0	Liberal
6	Mountain	22.5	0	9	9	0	Liberal
7	New England	14.8	0	7	7	0	Most liberal
8	South Atlantic	25.7	0	3	3	0	Conservative
9	South Atlantic	14.6	0	27	29	0	Most conservative
10	South Atlantic	14.8	15	0	0	16	Most conservative
11	Pacific	231.7	0	4	4	0	Liberal
12	W. North Cent	29.5	0	7	6	0	Most liberal
13	Mountain	42.6	4	0	0	4	Most conservative
14	E. North Cent	12.0	0	21	20	0	Liberal
15	E. North Cent	13.6	0	11	0	11	Conservative
16	W. North Cent	24.0	6	0	0	6	Most conservative
17	E. South Cent	33.0	8	0	0	8	Conservative
18	W. South Cent	29.1	9	0	0	8	Conservative
19	New England	14.4	0	12	11	0	Most liberal
20	South Atlantic	26.1	0	10	10	0	Liberal
21	New England	27.9	0	4	4	0	Most liberal
22	E. North Cent	10.0	0	17	16	0	Conservative
23	W. North Cent	14.1	0	10	10	0	Liberal
24	W. North Cent	27.0	11	0	0	10	Most conservative
25	E. South Cent	92.8	6	0	0	6	Most conservative
26	Mountain	73.3	3	0	0	3	Conservative
27	South Atlantic	13.0	0	15	0	15	Most conservative
28	W. North Cent	68.3	3	0	0	3	Most conservative

29	W. North Cent	15.4	4	1	0	5	Most conservative
30	New England	47.2	0	4	4	0	Most liberal
31	Mid Atlantic	15.0	0	15	14	0	Liberal
32	Mountain	64.5	0	5	5	0	Liberal
33	Mountain	55.8	0	5	6	0	Liberal
34	Mid Atlantic	12.8	0	31	29	0	Liberal
35	E. North Cent	12.0	0	20	18	0	Conservative
36	W. South Cent	22.2	7	0	0	7	Most conservative
37	Pacific	25.7	0	7	7	0	Liberal
38	Mid Atlantic	16.3	0	21	20	0	Conservative
39	New England	30.0	0	4	4	0	Liberal
40	South Atlantic	30.1	8	0	0	9	Most conservative
41	W. North Cent	59.3	3	0	0	3	Most conservative
42	E. South Cent	16.5	11	0	0	11	Most conservative
43	W. South Cent	14.0	34	0	0	38	Most conservative
44	Mountain	33.8	5	0	0	6	Most conservative
45	South Atlantic	21.9	0	13	13	0	Most conservative
46	New England	54.3	0	3	3	0	Most liberal
47	Pacific	30.2	0	11	12	0	Liberal
48	E. North Cent	14.5	0	10	10	0	Liberal
49	South Atlantic	105.8	5	0	0	5	Most conservative
50	Mountain	23.8	3	0	0	3	Most conservative
gay_policy2 gay_policy_con gay_support gay_support3 gb_win00 gb_win04							
1	Conservative	No		56		Med Bush win	Bush win
2	Conservative	Yes		44		Low Bush win	Bush win
3	Conservative	Yes		44		Low Bush win	Bush win
4	Conservative	No		58		Med Bush win	Bush win
5	Liberal	No		64		High Gore win	Kerry win
6	Liberal	No		61		High Bush win	Bush win
7	Liberal	No		65		High Gore win	Kerry win
8	Conservative	No		60		Med Gore win	Kerry win
9	Conservative	Yes		57		Med Bush win	Bush win
10	Conservative	Yes		51		Low Bush win	Bush win
11	Liberal	No		62		High Gore win	Kerry win
12	Liberal	No		56		Med Gore win	Bush win
13	Conservative	Yes		47		Low Bush win	Bush win
14	Liberal	No		60		Med Gore win	Kerry win
15	Conservative	No		52		Med Bush win	Bush win
16	Conservative	Yes		52		Med Bush win	Bush win
17	Conservative	No		46		Low Bush win	Bush win
18	Conservative	No		51		Low Bush win	Bush win
19	Liberal	No		68		High Gore win	Kerry win
20	Liberal	No		61		High Gore win	Kerry win

21	Liberal	No	62	High Gore win Kerry win
22	Conservative	No	57	Med Gore win Kerry win
23	Liberal	No	58	Med Gore win Kerry win
24	Conservative	Yes	52	Med Bush win Bush win
25	Conservative	Yes	45	Low Bush win Bush win
26	Conservative	No	56	Med Bush win Bush win
27	Conservative	Yes	50	Low Bush win Bush win
28	Conservative	Yes	51	Low Bush win Bush win
29	Conservative	Yes	50	Low Bush win Bush win
30	Liberal	No	63	High Bush win Kerry win
31	Liberal	No	64	High Gore win Kerry win
32	Liberal	No	59	Med Gore win Bush win
33	Liberal	No	60	Med Bush win Bush win
34	Liberal	No	66	High Gore win Kerry win
35	Conservative	No	56	Med Bush win Bush win
36	Conservative	Yes	43	Low Bush win Bush win
37	Liberal	No	60	Med Gore win Kerry win
38	Conservative	No	58	Med Gore win Kerry win
39	Liberal	No	66	High Gore win Kerry win
40	Conservative	Yes	49	Low Bush win Bush win
41	Conservative	Yes	51	Low Bush win Bush win
42	Conservative	Yes	45	Low Bush win Bush win
43	Conservative	Yes	51	Low Bush win Bush win
44	Conservative	Yes	38	Low Bush win Bush win
45	Conservative	Yes	55	Med Bush win Bush win
46	Liberal	No	65	High Gore win Kerry win
47	Liberal	No	62	High Gore win Kerry win
48	Liberal	No	57	Med Gore win Kerry win
49	Conservative	Yes	52	Med Bush win Bush win
50	Conservative	Yes	51	Low Bush win Bush win

	gore00	gun_check	gun_dealer	gun_murder10	gun_rank_rev	gunlaw_rank
1	27.66634	12016.091	139.250469	2.7	6	43
2	41.56650	9024.683	47.366633	2.8	30	19
3	45.86426	8443.070	67.423021	3.2	13	36
4	44.73459	5313.863	45.447313	3.6	13	36
5	53.44957	3040.222	21.603075	3.4	48	1
6	42.39351	8248.595	52.215106	1.3	32	17
7	55.90963	6644.923	48.459793	2.7	46	3
8	54.96212	3421.632	36.751031	4.2	38	11
9	48.83782	4437.558	37.396330	3.8	13	36
10	42.98476	4805.705	37.356829	3.9	16	33
11	55.79167	1281.187	20.951245	0.5	41	8
12	48.53565	4848.417	66.801144	0.7	32	17

13	27.63780	8706.530	82.675101	0.8	13	36
14	54.59635	8074.902	36.334921	2.8	41	8
15	41.01210	7335.310	43.616384	2.2	18	31
16	37.23832	7394.437	64.420750	2.2	16	33
17	41.37439	NA	54.247543	2.7	1	48
18	44.87533	7197.512	45.727551	7.7	1	48
19	59.80379	3214.186	54.691553	1.8	46	3
20	56.56842	2366.030	48.115961	5.1	44	5
21	49.08602	6913.332	68.957158	0.8	28	21
22	51.27980	4354.722	42.666467	4.2	38	11
23	47.90557	8314.446	50.811427	1.0	26	23
24	47.08427	8570.868	100.735908	5.4	6	43
25	40.69810	7491.566	47.888701	4.0	7	42
26	33.36423	13589.343	146.955524	1.2	18	31
27	43.20092	5131.434	45.933698	3.0	36	13
28	33.05534	12617.921	93.072908	0.6	6	43
29	33.25304	4701.203	60.886768	1.8	23	26
30	46.80318	9736.492	83.404863	0.4	26	23
31	56.12561	976.479	5.914539	2.8	47	2
32	47.90855	6964.863	52.593776	3.3	13	36
33	45.97566	5419.746	47.731000	3.1	26	23
34	60.21251	1747.431	20.419957	2.7	43	6
35	46.46074	5454.122	41.130311	2.7	29	20
36	38.42690	9809.159	62.777383	3.0	1	48
37	46.95939	6970.395	66.117230	0.9	35	14
38	50.59855	7624.824	46.967580	3.6	39	10
39	60.98770	2284.890	50.353089	1.5	42	7
40	40.90215	6667.756	44.688375	4.5	22	27
41	37.56423	10863.323	93.099806	1.0	13	36
42	47.28489	8258.956	52.835558	2.5	16	33
43	37.98196	5711.274	38.810031	3.2	22	27
44	26.34472	8357.765	41.752823	0.8	6	43
45	44.43561	5608.707	52.655760	3.1	35	14
46	50.63471	5514.582	87.416359	0.3	22	27
47	50.15822	7721.108	40.790894	1.4	35	14
48	47.83282	8253.493	52.576180	1.7	28	21
49	45.59266	12173.812	76.794636	1.5	6	43
50	27.69898	11240.787	144.422010	0.9	22	27
gunlaw_rank3_rev gunlaw_scale hispanic04 hispanic08 hispanic10 indpct_m						
1	Fewer restr	4	4.9	6.1	5.5	43.56846
2	Mid	15	2.2	2.9	3.9	29.96595
3	Fewer restr	6	4.4	5.6	6.4	35.93449
4	Fewer restr	6	28.0	30.1	29.6	29.71429

5	More restr	79	34.7	36.6	37.6	25.82884
6	More restr	16	19.1	20.2	20.7	37.73234
7	More restr	54	10.6	12.0	13.4	42.18888
8	More restr	22	5.8	6.8	8.2	36.87943
9	Fewer restr	6	19.0	21.0	22.5	28.04716
10	Mid	7	6.8	8.0	8.8	30.09923
11	More restr	43	7.9	8.7	8.9	36.70412
12	More restr	16	3.5	4.2	5.0	40.57315
13	Fewer restr	6	8.9	10.2	11.2	35.10848
14	More restr	28	14.0	15.2	15.8	32.99590
15	Mid	8	4.3	5.2	6.0	33.33333
16	Mid	7	8.1	9.1	10.5	29.76092
17	Fewer restr	2	1.9	2.4	3.1	21.61998
18	Fewer restr	2	2.8	3.4	4.2	24.87923
19	More restr	54	7.7	8.6	9.6	50.78413
20	More restr	53	5.4	6.7	8.2	23.50617
21	Mid	12	0.9	1.3	1.3	45.41284
22	More restr	22	3.7	4.1	4.4	34.57281
23	Mid	11	3.5	4.1	4.7	37.61602
24	Fewer restr	4	2.6	3.2	3.5	37.59929
25	Fewer restr	5	1.7	2.2	2.7	23.59347
26	Mid	8	2.4	3.0	2.9	39.73510
27	More restr	20	6.1	7.4	8.4	25.27937
28	Fewer restr	4	1.5	2.1	2.0	34.92537
29	Mid	10	6.9	7.9	9.2	27.07373
30	Mid	11	2.1	2.6	2.8	48.33333
31	More restr	63	14.9	16.3	17.7	30.09868
32	Fewer restr	6	43.3	44.9	46.3	36.91644
33	Mid	11	22.8	25.7	26.5	30.40422
34	More restr	51	16.0	16.7	17.6	30.33708
35	Mid	13	2.2	2.6	3.1	33.04272
36	Fewer restr	2	6.3	7.6	8.9	19.01004
37	More restr	18	9.5	11.0	11.7	30.10753
38	More restr	26	3.8	4.8	5.7	23.83817
39	More restr	47	10.3	11.6	12.4	49.55490
40	Mid	9	3.1	4.1	5.1	31.65075
41	Fewer restr	6	2.0	2.6	2.7	21.80451
42	Mid	7	2.8	3.7	4.6	33.46631
43	Mid	9	34.6	36.5	37.6	31.47224
44	Fewer restr	4	10.6	12.0	13.0	32.08763
45	More restr	18	5.7	6.8	7.9	34.14454
46	Mid	9	1.0	1.4	1.5	44.66667
47	More restr	18	8.5	9.8	11.2	38.63538

48		Mid		12	4.3	5.1	5.9	35.65536
49		Fewer restr		4	0.8	1.1	1.2	23.60406
50		Mid		9	6.7	7.7	8.9	32.52427
	kerry04	libpct_m	mccain08	modpct_m	nader00	obama08	obama_win08	over64
1	35.52	17.94872	59.42	45.72650	10.0668861	37.89	McCain win	6.4
2	36.84	16.82809	60.32	42.49395	1.0996404	38.74	McCain win	13.2
3	44.55	16.83673	58.72	44.28571	1.4559857	38.86	McCain win	13.8
4	44.37	19.23584	53.39	47.43083	2.9794075	44.91	McCain win	12.7
5	54.31	24.20596	36.91	47.32791	3.8182792	60.94	Obama win	10.7
6	47.04	21.67878	44.71	45.93523	5.2506995	53.66	Obama win	9.8
7	54.31	22.17069	38.22	50.55659	4.4159572	60.59	Obama win	13.5
8	53.35	22.51908	36.93	47.32824	2.5355440	61.91	Obama win	13.1
9	47.09	20.59060	48.10	47.30816	1.6348516	50.91	Obama win	16.8
10	41.37	17.61538	52.10	44.26923	0.5172512	46.90	McCain win	9.6
11	54.01	26.43678	26.58	45.21073	5.8765977	71.85	Obama win	13.6
12	49.23	19.03226	44.39	45.32258	2.2328083	53.93	Obama win	14.7
13	30.26	17.95407	61.21	47.39040	2.4504556	35.91	McCain win	11.4
14	54.82	21.85614	36.75	48.41549	2.1880284	61.86	Obama win	12.0
15	39.26	17.56119	48.84	44.82611	0.8425855	49.87	Obama win	12.4
16	36.62	15.32399	56.50	45.97198	3.3655469	41.57	McCain win	13.0
17	39.69	19.07895	57.37	45.32895	1.5018906	41.15	McCain win	12.5
18	42.22	16.20553	58.56	43.21476	1.1595124	39.93	McCain win	11.7
19	61.94	27.64067	35.99	49.60513	6.4211997	61.80	Obama win	13.3
20	55.91	22.25201	36.47	49.27614	2.6545806	61.92	Obama win	11.4
21	53.57	23.80952	40.38	43.34975	5.6959239	57.71	Obama win	14.4
22	51.23	20.40280	40.89	46.96439	1.9885406	57.33	Obama win	12.3
23	51.09	21.29964	43.82	49.61320	5.1952589	54.06	Obama win	12.1
24	46.10	18.21596	49.37	45.53991	1.6320662	49.24	McCain win	13.3
25	39.72	14.73171	56.18	38.43902	0.8169514	43.00	McCain win	12.2
26	38.57	18.42105	49.49	44.01914	5.9457855	47.11	McCain win	13.7
27	43.58	18.11904	49.38	43.57119	NA	49.70	Obama win	12.1
28	35.50	13.81381	53.07	43.24324	3.2908248	44.47	McCain win	14.7
29	32.68	16.43836	56.53	45.45455	3.5207075	41.60	McCain win	13.3
30	50.25	24.13793	44.52	46.20690	3.9006749	54.13	Obama win	12.1
31	52.92	21.73175	41.61	47.70798	2.9666550	57.14	Obama win	12.9
32	49.05	24.39320	41.78	49.51456	3.5500873	56.91	Obama win	12.1
33	47.88	18.80819	42.65	48.60335	2.4644892	55.15	Obama win	11.2
34	58.37	26.42765	36.03	44.90852	3.5771040	62.88	Obama win	13.0
35	48.71	19.83778	46.80	46.53534	2.5046876	51.38	Obama win	13.3
36	34.43	13.65400	65.65	44.60822	NA	34.35	McCain win	13.2
37	51.35	23.40585	40.40	45.46137	5.0429344	56.75	Obama win	12.8
38	50.92	19.50950	44.15	48.78480	2.1044066	54.47	Obama win	15.3
39	59.42	22.46154	35.06	54.46154	6.1235065	62.86	Obama win	13.9

40	40.90	17.03216	53.87	44.44444	1.4608919	44.90	McCain win	12.4
41	38.44	12.69841	53.16	48.14815	NA	44.75	McCain win	14.2
42	42.53	17.11230	56.85	43.75304	0.9527589	41.79	McCain win	12.5
43	38.22	17.84574	55.39	42.46345	2.1535864	43.63	McCain win	9.9
44	26.00	15.05945	62.25	45.83884	4.6512895	34.22	McCain win	8.7
45	45.48	19.26641	46.33	46.79537	2.1682478	52.63	Obama win	11.4
46	58.94	30.06993	30.45	47.55245	6.9226796	67.46	Obama win	13.0
47	52.82	22.02407	40.26	46.67856	4.1408955	57.34	Obama win	11.3
48	49.70	17.83558	42.31	49.41941	3.6200164	56.22	Obama win	13.0
49	43.20	17.77778	55.60	46.94444	1.6478328	42.51	McCain win	15.3
50	29.07	18.13472	64.78	47.66839	2.1181492	32.54	McCain win	12.1
	permit	pop_18_24	pop_18_24_10	prcapinc	region	relig_import	religiosity	
1	NA	11.144578	10.563380	34454	West	NA	-177	
2	27.6	10.004388	10.020921	27795	South	58.47953	-13	
3	21.1	10.075567	9.739369	25725	South	53.13433	-23	
4	46.2	9.614413	9.903004	28442	West	33.20000	-140	
5	52.8	9.952397	10.530413	35019	West	28.78619	-147	
6	46.3	9.796356	9.703718	36063	West	26.08696	-163	
7	45.3	8.860399	9.149412	45398	Northeast	35.02110	-170	
8	NA	9.952607	10.133630	35861	South	NA	-109	
9	37.8	8.707139	9.254827	31455	South	42.42021	-84	
10	27.8	9.941585	10.012386	30051	South	52.63909	-39	
11	NA	9.882353	9.558824	32160	West	NA	-101	
12	34.2	10.654080	10.045962	30560	Midwest	35.06494	-115	
13	NA	10.986704	9.821429	27098	West	NA	-75	
14	41.0	9.872287	9.710857	34351	Midwest	34.18182	-111	
15	22.1	10.076531	10.024676	30094	Midwest	40.62500	-66	
16	28.6	10.892532	10.094637	30811	Midwest	43.64821	-51	
17	17.7	9.896957	9.518322	27709	South	57.14286	-33	
18	15.5	11.118479	10.478712	27581	South	64.93506	-16	
19	47.4	9.345210	10.354307	41801	Northeast	21.13636	-171	
20	48.1	9.303571	9.646692	39247	South	30.61224	-91	
21	42.9	9.379728	8.734940	30566	Northeast	NA	-177	
22	34.1	9.850805	9.854310	31954	Midwest	33.78099	-107	
23	32.0	10.344828	9.483409	35861	Midwest	34.26087	-120	
24	37.8	10.155172	9.834697	30608	Midwest	36.61972	-70	
25	33.8	11.057857	10.279744	24650	South	NA	-4	
26	NA	10.576923	9.605662	26857	West	NA	-126	
27	25.1	9.535875	9.847929	29246	South	56.00000	-35	
28	NA	12.087912	12.035661	31398	Midwest	NA	-80	
29	30.4	10.858442	10.021906	31339	Midwest	30.00000	-71	
30	45.7	9.312977	9.346505	37040	Northeast	25.61983	-180	
31	49.9	8.534067	8.723840	41332	Northeast	29.41176	-131	

32	39.6	10.684647	9.907722	26191	West	35.06494	-115
33	NA	8.695652	9.218808	33405	West	NA	-139
34	49.0	9.478058	10.238415	38228	Northeast	29.39271	-151
35	34.3	9.839498	9.525873	31322	Midwest	33.79630	-96
36	25.2	10.851184	10.157291	28089	South	33.33333	-37
37	48.7	9.612744	9.370921	29971	West	23.95833	-156
38	35.4	9.533387	9.927570	33348	Northeast	28.48723	-100
39	NA	10.408922	11.396011	33733	Northeast	NA	-170
40	33.8	10.082256	10.291892	27172	South	53.12500	-15
41	NA	11.211340	10.073710	30856	Midwest	NA	-80
42	27.5	9.659567	9.549322	30005	South	47.51553	-21
43	32.3	10.498688	10.232244	30222	South	44.43631	-48
44	36.4	12.672065	11.505065	26606	West	33.33333	-34
45	42.9	9.885027	10.023747	35477	South	36.96408	-75
46	NA	9.951846	10.383387	32770	Northeast	NA	-180
47	58.5	10.098601	9.665428	35299	West	25.19084	-138
48	35.3	10.386561	9.653596	32157	Midwest	33.56890	-142
49	38.1	9.521189	9.120345	25872	South	32.19512	-61
50	39.3	11.198428	9.929078	34306	West	24.89627	-126

	reppct_m	rtw	secularism	secularism3	seniority_sen2	south
1	30.29046	No	177	Secular	Yes	Nonsouth
2	31.15778	Yes	13	Religious	No	South
3	21.00193	Yes	23	Religious	No	South
4	38.34921	Yes	140	Secular	No	Nonsouth
5	32.87402	No	147	Secular	No	Nonsouth
6	32.58984	No	163	Secular	No	Nonsouth
7	24.80141	No	170	Secular	No	Nonsouth
8	25.17730	No	109	Middle	No	South
9	34.47423	Yes	84	Middle	No	South
10	31.56928	Yes	39	Religious	No	South
11	22.84644	No	101	Middle	No	Nonsouth
12	28.58220	Yes	115	Middle	No	Nonsouth
13	41.61736	Yes	75	Middle	No	Nonsouth
14	27.74162	No	111	Middle	No	Nonsouth
15	35.70261	No	66	Religious	No	Nonsouth
16	40.89035	Yes	51	Religious	No	Nonsouth
17	30.02436	No	33	Religious	No	South
18	28.68357	Yes	16	Religious	Yes	South
19	15.59041	No	171	Secular	No	Nonsouth
20	25.77778	No	91	Middle	No	South
21	30.88685	No	177	Secular	No	Nonsouth
22	29.83253	No	107	Middle	No	Nonsouth
23	27.06400	No	120	Middle	No	Nonsouth

24	26.12533	No	70	Religious	No	Nonsouth
25	36.11615	No	4	Religious	Yes	South
26	31.56733	No	126	Middle	Yes	Nonsouth
27	33.82664	No	35	Religious	No	South
28	35.82090	No	80	Middle	No	Nonsouth
29	43.89401	Yes	71	Religious	Yes	Nonsouth
30	27.70833	No	180	Secular	No	Nonsouth
31	29.44079	No	131	Secular	No	Nonsouth
32	26.87328	No	115	Middle	No	Nonsouth
33	36.90685	Yes	139	Secular	No	Nonsouth
34	28.37079	No	151	Secular	No	Nonsouth
35	31.25545	No	96	Middle	No	Nonsouth
36	34.00287	Yes	37	Religious	No	South
37	31.11111	No	156	Secular	Yes	Nonsouth
38	36.01660	No	100	Middle	Yes	Nonsouth
39	14.24332	No	170	<NA>	No	Nonsouth
40	34.65211	No	15	Religious	No	South
41	42.60652	No	80	Middle	No	Nonsouth
42	32.00355	No	21	Religious	No	South
43	32.71118	Yes	48	Religious	No	South
44	44.97423	Yes	34	Religious	No	Nonsouth
45	32.44838	Yes	75	Middle	No	South
46	22.66667	No	180	Secular	Yes	Nonsouth
47	29.55237	No	138	Secular	No	Nonsouth
48	28.87259	No	142	Secular	No	Nonsouth
49	28.93401	No	61	Religious	Yes	South
50	42.23301	Yes	126	Middle	Yes	Nonsouth

	state	to_0004	to_0408	trnout00	trnout04
1	Alaska	-12.39	-0.8	67.19	54.80
2	Alabama	4.20	4.6	50.59	54.79
3	Arkansas	3.31	-0.2	46.93	50.24
4	Arizona	-2.32	1.9	44.64	42.32
5	California	6.63	2.9	54.61	61.24
6	Colorado	0.82	3.1	57.55	58.37
7	Connecticut	4.47	2.2	60.86	65.33
8	Delaware	2.53	2.0	57.36	59.89
9	Florida	8.43	3.1	53.36	61.79
10	Georgia	4.28	5.2	45.31	49.59
11	Hawaii	4.77	2.3	43.49	48.26
12	Iowa	6.78	0.0	61.25	68.03
13	Idaho	4.90	0.1	55.61	60.51
14	Illinois	3.05	1.3	56.44	59.49
15	Indiana	3.91	4.6	49.66	53.57

16	Kansas	2.32	0.9	56.20	58.52
17	Kentucky	5.70	-0.8	52.95	58.65
18	Louisiana	3.64	1.0	54.99	58.63
19	Massachusetts	3.73	2.0	60.44	64.17
20	Maryland	2.46	4.8	54.55	57.01
21	Maine	-0.88	-2.4	67.76	66.88
22	Michigan	6.78	2.3	59.39	66.17
23	Minnesota	6.92	-0.2	69.26	76.18
24	Missouri	6.77	2.8	57.39	64.16
25	Mississippi	2.93	5.3	48.21	51.14
26	Montana	-0.12	1.9	61.16	61.04
27	NorthCarolina	4.85	8.0	49.62	54.47
28	NorthDakota	4.12	0.2	60.43	64.55
29	Nebraska	1.07	-0.3	56.95	58.02
30	NewHampshire	8.86	0.4	62.74	71.60
31	NewJersey	3.49	2.4	56.43	59.92
32	NewMexico	6.41	1.3	48.24	54.65
33	Nevada	8.45	3.3	45.34	53.79
34	NewYork	0.08	0.0	54.73	54.81
35	Ohio	8.18	-0.1	56.38	64.56
36	Oklahoma	7.30	-1.6	49.41	56.71
37	Oregon	10.96	-4.2	63.00	73.96
38	Pennsylvania	7.55	1.6	53.67	61.22
39	RhodeIsland	0.45	4.0	54.72	55.17
40	SouthCarolina	4.16	5.6	46.68	50.84
41	SouthDakota	10.61	-4.4	57.61	68.22
42	Tennessee	5.42	1.0	49.04	54.46
43	Texas	3.97	1.0	47.81	51.78
44	Utah	0.03	-5.6	53.34	53.37
45	Virginia	4.42	7.1	53.93	58.35
46	Vermont	1.23	0.4	64.83	66.06
47	Washington	1.03	0.1	60.37	61.40
48	Wisconsin	7.38	-2.3	66.31	73.69
49	WestVirginia	6.06	-3.5	46.26	52.32
50	Wyoming	3.47	-0.3	60.32	63.79

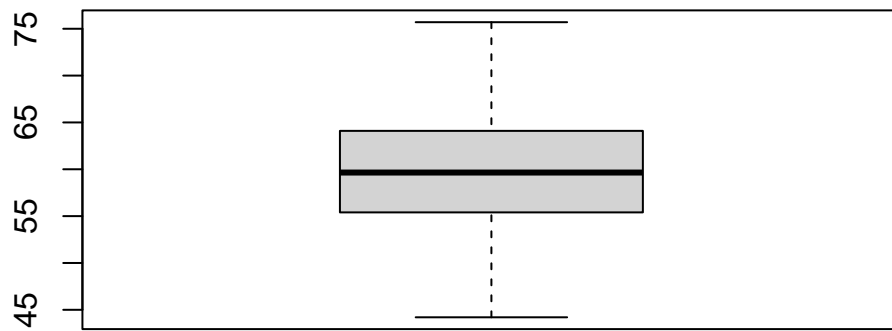
	unemploy	union04	union07	union10	urban	vep00_turnout	vep04_turnout
1	7.5	20.1	23.8	22.3	65.6	68.1	69.1
2	5.8	9.7	9.5	10.9	55.4	51.6	57.2
3	5.9	4.8	5.4	4.2	52.5	47.9	53.6
4	5.1	6.3	8.8	6.5	88.2	45.6	54.1
5	6.2	16.5	16.7	17.2	94.4	55.7	58.8
6	5.4	8.4	8.7	7.0	84.5	57.5	66.7
7	4.9	15.3	15.6	17.3	87.7	61.9	65.0

8	3.9	12.4	12.0	11.9	80.1	59.0	64.2
9	4.6	6.0	5.9	5.8	89.3	55.9	64.4
10	4.7	6.4	4.4	4.6	71.6	45.8	56.2
11	3.4	23.7	23.4	23.5	91.5	44.2	48.2
12	4.6	10.5	10.5	11.1	61.1	63.2	69.9
13	5.3	5.8	5.3	6.3	66.4	57.2	63.2
14	6.1	16.8	14.5	17.5	87.8	56.2	61.5
15	5.3	11.4	12.0	10.6	70.8	49.3	54.8
16	5.5	8.4	7.0	6.2	71.4	55.6	61.6
17	5.2	9.6	9.1	8.6	55.8	52.2	58.7
18	6.0	7.6	5.6	5.8	72.6	56.4	61.1
19	5.1	13.5	13.2	16.6	91.4	59.9	64.2
20	4.2	10.9	12.9	12.6	86.1	55.5	62.9
21	4.7	11.3	11.7	11.7	40.2	67.2	73.8
22	7.0	21.6	19.5	18.8	74.7	59.9	66.6
23	4.8	17.5	16.3	15.1	70.9	69.5	78.4
24	5.7	12.4	10.7	9.4	69.4	58.2	65.3
25	6.2	4.8	6.7	4.8	48.8	49.1	55.7
26	4.9	11.7	13.5	13.9	54.1	61.6	64.4
27	5.4	2.7	3.0	3.1	60.2	50.7	57.8
28	3.4	7.7	6.4	6.8	55.9	60.3	64.8
29	3.8	8.3	7.8	9.2	69.8	56.9	62.9
30	3.7	9.9	9.7	10.8	59.3	63.9	70.9
31	4.8	19.8	19.2	19.3	94.4	56.9	63.8
32	5.6	6.7	7.7	6.7	75.0	48.5	59.0
33	4.2	12.5	15.4	15.7	91.5	45.2	55.3
34	5.8	25.3	25.2	25.2	87.5	55.1	58.0
35	6.3	15.2	14.1	14.2	77.4	56.7	66.8
36	4.9	6.1	7.1	5.7	65.3	49.9	58.3
37	7.6	15.2	14.3	17.0	78.7	64.9	72.0
38	5.6	15.0	15.1	15.0	77.1	54.1	62.6
39	5.4	16.3	15.0	17.9	90.9	54.2	58.5
40	6.9	3.0	4.1	4.5	60.5	47.0	53.0
41	3.7	6.0	6.5	5.5	51.9	57.7	68.2
42	5.1	6.7	5.3	5.1	63.6	49.9	56.3
43	6.0	5.0	4.7	5.1	82.5	49.2	53.7
44	5.3	5.8	5.8	6.9	88.2	53.8	58.9
45	3.9	5.3	3.7	4.7	73.0	54.0	60.6
46	3.7	9.8	10.4	12.3	38.2	64.1	66.3
47	6.2	19.3	20.2	20.2	82.0	60.7	66.9
48	5.0	16.0	14.3	15.2	68.3	67.6	74.8
49	5.3	14.2	13.3	13.9	46.1	46.6	54.1
50	3.8	8.0	7.9	7.7	65.1	59.2	65.7

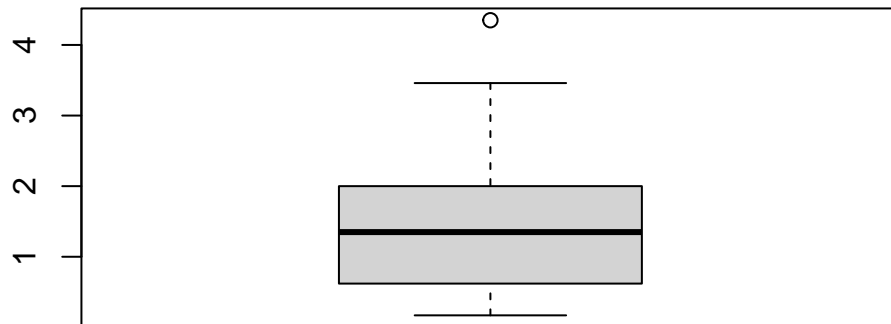
	vep08_turnout	vep12_turnout	womleg_2007	womleg_2010	womleg_2011	womleg_2015
1	68.3	58.9	21.7	21.7	23.3	28.3
2	61.8	58.9	12.9	12.9	13.6	14.3
3	53.4	50.5	20.7	23.0	22.2	20.0
4	56.0	52.9	34.4	31.1	34.4	35.6
5	61.7	55.2	28.3	27.5	28.3	25.8
6	69.8	70.3	35.0	37.0	41.0	42.0
7	67.2	60.9	28.3	31.6	29.9	28.3
8	66.2	62.7	30.6	25.8	25.8	24.2
9	67.5	63.5	23.8	23.1	25.6	24.4
10	61.4	58.4	19.5	19.5	23.7	22.9
11	50.5	44.2	32.9	32.9	34.2	27.6
12	69.9	69.9	22.7	23.3	20.7	22.7
13	63.3	59.6	22.9	24.8	26.7	26.7
14	62.8	58.9	27.1	27.7	31.1	31.1
15	59.4	55.1	18.7	21.3	21.3	20.7
16	62.5	56.8	29.1	29.7	27.3	24.8
17	57.9	55.3	12.3	15.9	18.1	16.7
18	62.1	60.4	17.4	16.0	16.0	12.5
19	66.2	66.3	24.5	26.0	24.0	25.0
20	67.7	66.2	33.0	30.9	30.9	31.4
21	71.4	68.1	30.6	29.0	29.6	29.0
22	68.9	64.7	19.6	25.0	20.9	20.9
23	78.2	75.7	34.8	34.8	31.8	33.3
24	68.1	62.5	19.3	22.3	22.8	24.4
25	61.0	59.7	13.8	14.4	14.9	17.2
26	66.3	62.6	25.3	26.0	24.0	31.3
27	65.8	64.6	25.9	26.5	22.4	22.4
28	65.0	60.6	17.7	16.3	14.9	19.1
29	62.6	60.1	18.4	20.4	22.4	20.4
30	71.3	70.1	35.8	37.5	24.5	28.8
31	66.2	61.9	19.2	28.3	28.3	30.0
32	60.3	54.7	30.4	30.4	26.8	25.9
33	58.6	57.1	30.2	31.7	28.6	31.7
34	58.0	53.2	24.1	24.5	21.2	23.9
35	66.7	64.6	16.7	22.0	22.7	25.0
36	56.7	49.2	12.8	11.4	12.8	12.8
37	67.8	63.2	31.1	27.8	27.8	31.1
38	64.2	59.4	14.6	15.4	17.4	17.8
39	62.5	58.0	19.5	22.1	25.7	26.5
40	58.6	56.6	8.8	10.0	9.4	13.5
41	63.8	59.4	17.1	20.0	20.0	21.0
42	57.3	52.2	15.9	18.2	18.2	17.4

43	54.7	49.7	19.9	23.8	21.0	19.9
44	53.3	55.4	17.3	22.1	17.3	15.4
45	67.7	66.4	17.1	19.3	19.3	17.1
46	66.7	60.4	37.8	37.2	38.3	41.1
47	67.0	64.1	32.7	32.7	32.0	32.7
48	72.5	72.5	22.7	22.0	25.0	25.0
49	50.6	46.3	14.2	16.4	17.9	14.9
50	65.4	58.9	23.3	16.7	14.4	13.3

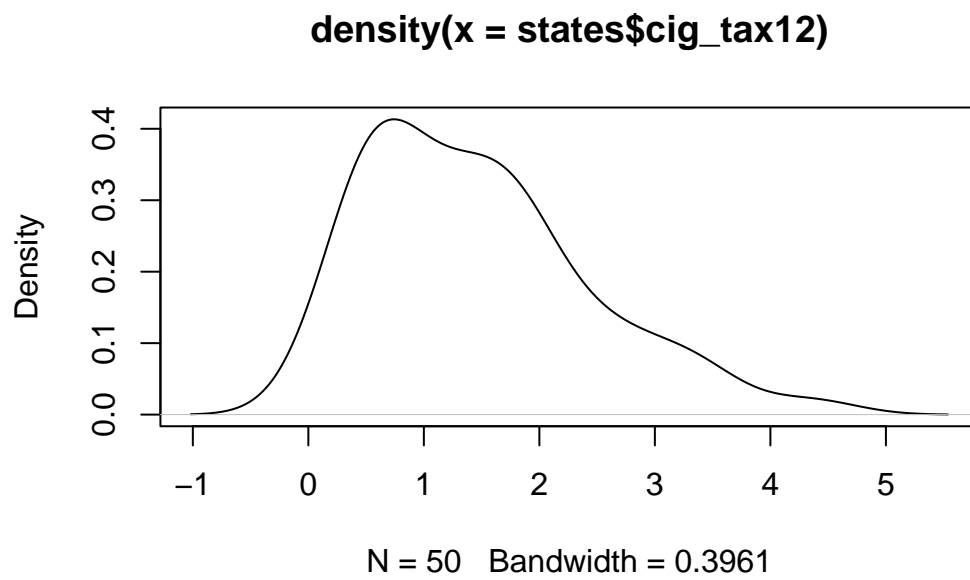
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boxplot(states$vep12_turnout)
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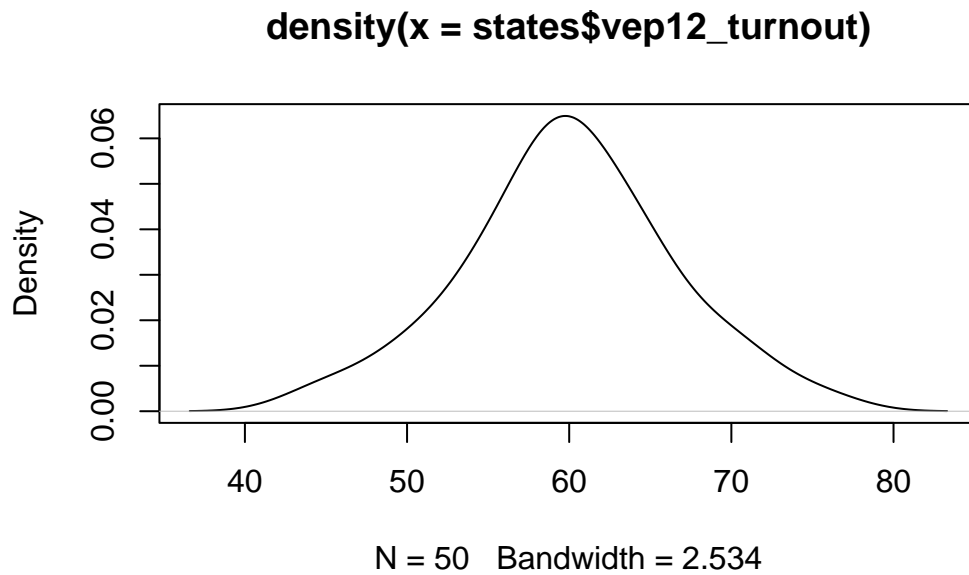
```
boxplot(states$cig_tax12)
```



```
plot(density(states$cig_tax12))
```




```
plot(density(states$vep12_turnout))
```



```
?states
```

Percent turnout of voting eligible population (2012)

- The density curve shows a normal distribution

Cigarette tax per pack (2012)

- The density curve shows a skewed right distribution