

Count number of beneficiaries each setate:

- 1 AK 26080
- 2 AL 58462
- 3 AR 20930
- 4 AZ 56958
- 5 DE 6256
- 6 FL 530675
- 7 GA 198494
- 8 HI 1518
- 9 IA 39898
- 10 IL 138691
- 11 IN 163240
- 12 KS 39398
- 13 LA 53450
- 14 ME 32810
- 15 MI 283850
- 16 MO 55874
- 17 MS 14536
- 18 MT 48608
- 19 NC 133218
- 20 ND 25840
- 21 NE 20672

22 NH 9352
23 NJ 79617
24 NM9844
25 NV 15180
26 OH 354004
27 OK 50436
28 OR 28336
29 PA 118990
30 SC 663826
31 SD 23808
32 TN 57916
33 TX 263198
34 UT 25122
35 VA 99240
36 WI 389894
37 WV66446
38 WY17298

calculate median insurance cost/person each state:

1	AK	581.900
2	AL	42.240
3	AR	288.025
4	AZ	268.615
5	DE	374.005
6	FL	235.770
7	GA	321.715
8	HI	243.105
9	IA	318.460
10	IL	333.500
11	IN	35.910
12	KS	219.650
13	LA	290.050
14	ME	329.040
15	MI	33.900

16	MO	36.300
17	MS	230.125
18	MT	313.000
19	NC	36.170
20	ND	225.555
21	NE	41.500
22	NH	318.660
23	NJ	459.480
24	NM	226.370
25	NV	308.290
26	OH	38.680
27	OK	292.510
28	OR	287.000
29	PA	302.830
30	SC	361.480

31	SD	336.580
32	TN	300.610
33	TX	99.990
34	UT	282.420
35	VA	237.425
36	WI	444.110
37	WV	375.855
38	WY	391.830

Calculate mean rate for each state:

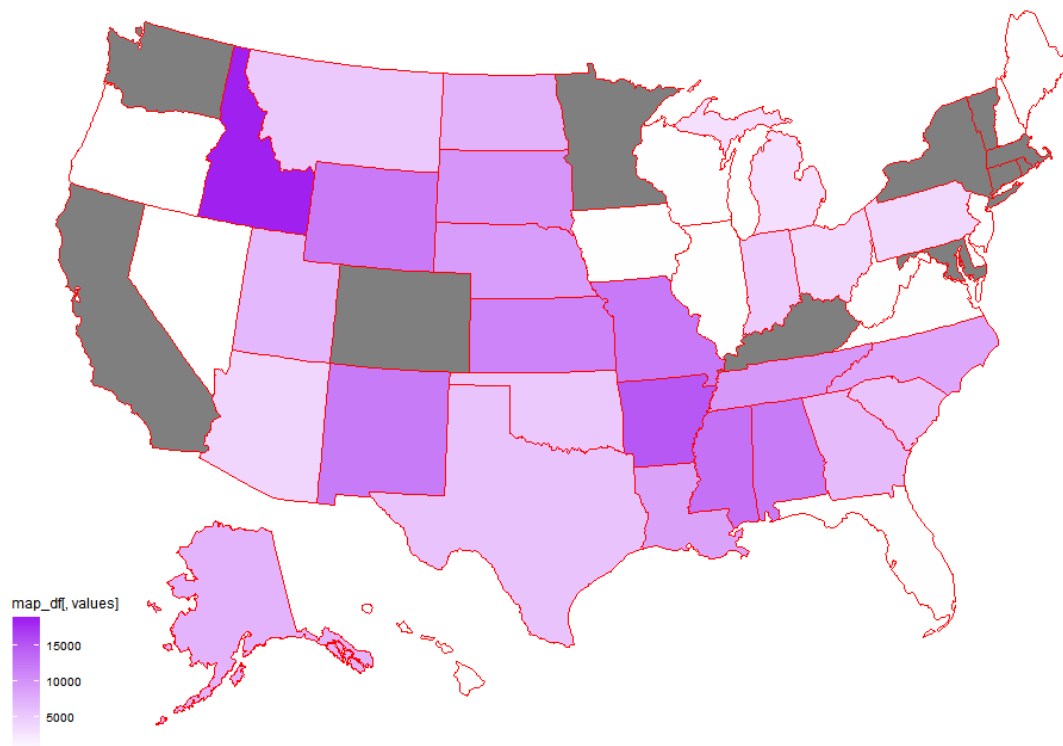
mean		
1	AK	628.5559

mean		
2	AL	231.6905
3	AR	297.8289
4	AZ	353.6457
5	DE	395.5130
6	FL	327.3515
7	GA	382.0785
8	HI	256.3415
9	IA	336.5307
10	IL	362.1156
11	IN	223.1377
12	KS	251.8667
13	LA	321.9695
14	ME	367.2709
15	MI	174.7030

mean		
16	MO	274.1266
17	MS	237.5666
18	MT	331.8849
19	NC	300.6510
20	ND	255.6825
21	NE	244.6169
22	NH	352.9327
23	NJ	449.6506
24	NM	240.6293
25	NV	328.1119
26	OH	265.9548
27	OK	316.4716
28	OR	307.9747
29	PA	324.7291

mean		
30	SC	411.5453
31	SD	348.9964
32	TN	407.2640
33	TX	277.0896
34	UT	282.9166
35	VA	258.5682
36	WI	495.1364
37	WV	396.8953
38	WY	389.7864

plot on map by state :



Why some states are missing:

Because the Rate.csv doesn't have their data at the first place.

Compare with cancer :

Spearman's rank correlation rho

data: mean and na.omit(AgeAdjustedRate)

S = 6602, p-value = 0.09167

alternative hypothesis: true rho is not equal to 0

sample estimates:

rho

0.2776015

Compare with stroke :

cor.test(mean, na.omit(RATE), method = "spearm")

Spearman's rank correlation rho

data: mean and na.omit(RATE)

S = 10773, p-value = 0.2827

alternative hypothesis: true rho is not equal to 0

sample estimates:

rho

-0.1788235

