

APPENDIX H

Measures of Compactness Report - Senate*

	Reock	Polsby-Popper	Area/Convex Hull	Population Polygon	Population Circle
Mean	0.43	0.40	0.79	0.77	0.44
Min	0.24	0.20	0.62	0.33	0.06
Max	0.63	0.65	0.93	0.97	0.84
Std. Dev.	0.09	0.11	0.08	0.16	0.16
Sum					

District	Reock	Polsby-Popper	Area/Convex Hull	Population Polygon	Population Circle
01	0.48	0.31	0.84	0.95	0.72
02	0.35	0.29	0.73	0.80	0.42
03	0.34	0.23	0.71	0.33	0.28
04	0.51	0.33	0.83	0.97	0.84
05	0.44	0.40	0.72	0.72	0.32
06	0.33	0.34	0.70	0.87	0.65
07	0.46	0.37	0.80	0.78	0.30
08	0.30	0.25	0.70	0.84	0.75
09	0.46	0.42	0.82	0.83	0.43
10	0.49	0.43	0.83	0.58	0.27
11	0.41	0.46	0.81	0.93	0.57
12	0.38	0.38	0.74	0.79	0.40
13	0.55	0.29	0.76	0.48	0.45
14	0.39	0.24	0.72	0.77	0.62
15	0.25	0.26	0.81	0.85	0.23
16	0.45	0.36	0.82	0.86	0.53

Measures of Compactness Report

District	Reock	Polsby-Popper	Area/Convex Hull	Population Polygon	Population Circle
17	0.50	0.32	0.78	0.58	0.32
18	0.27	0.23	0.86	0.84	0.61
19	0.38	0.50	0.85	0.94	0.51
20	0.42	0.34	0.81	0.38	0.31
21	0.46	0.50	0.81	0.74	0.54
22	0.28	0.22	0.68	0.42	0.24
23	0.42	0.52	0.89	0.93	0.51
24	0.54	0.52	0.90	0.55	0.45
25	0.48	0.44	0.77	0.84	0.72
26	0.50	0.52	0.84	0.82	0.66
27	0.37	0.35	0.78	0.77	0.28
28	0.42	0.44	0.79	0.87	0.37
29	0.54	0.28	0.75	0.85	0.58
30	0.24	0.20	0.68	0.72	0.16
31	0.39	0.29	0.74	0.77	0.27
32	0.38	0.46	0.78	0.81	0.36
33	0.45	0.31	0.80	0.85	0.43
34	0.24	0.23	0.62	0.46	0.16
35	0.45	0.39	0.79	0.86	0.51
36	0.46	0.45	0.83	0.78	0.46
37	0.42	0.43	0.86	0.64	0.27
38	0.41	0.43	0.76	0.77	0.49
39	0.35	0.34	0.69	0.73	0.35
40	0.44	0.39	0.83	0.75	0.35
41	0.30	0.20	0.68	0.38	0.13
42	0.63	0.59	0.92	0.91	0.70
43	0.55	0.55	0.88	0.89	0.48
44	0.36	0.37	0.70	0.60	0.30
45	0.38	0.46	0.89	0.83	0.30
46	0.56	0.37	0.82	0.86	0.63

Measures of Compactness Report

District	Reock	Polsby-Popper	Area/Convex Hull	Population Polygon	Population Circle
47	0.45	0.48	0.85	0.86	0.56
48	0.41	0.41	0.78	0.94	0.50
49	0.56	0.59	0.92	0.93	0.59
50	0.37	0.46	0.85	0.80	0.33
51	0.40	0.50	0.85	0.81	0.36
52	0.40	0.41	0.79	0.83	0.34
53	0.48	0.30	0.72	0.70	0.43
54	0.61	0.55	0.92	0.93	0.62
55	0.54	0.50	0.88	0.94	0.61
56	0.39	0.52	0.87	0.96	0.49
57	0.59	0.58	0.93	0.85	0.48
58	0.37	0.27	0.67	0.34	0.06
59	0.34	0.39	0.73	0.79	0.41
60	0.39	0.44	0.83	0.82	0.38
61	0.38	0.41	0.75	0.61	0.35
62	0.58	0.65	0.91	0.93	0.64
63	0.34	0.31	0.66	0.58	0.29
64	0.50	0.53	0.84	0.88	0.55
65	0.44	0.31	0.73	0.73	0.45
66	0.39	0.37	0.74	0.73	0.38
67	0.39	0.57	0.92	0.95	0.45

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.
Area / Convex Hull	The measure is always between 0 and 1, with 1 being the most compact.
Population Polygon	The measure is always between 0 and 1, with 1 being the most compact.
Population Circle	The measure is always between 0 and 1, with 1 being the most compact.

Measures of Compactness Report - House*

	Reock	Polsby-Popper	Area/Convex Hull	Population Polygon	Population Circle
Mean	0.43	0.42	0.80	0.77	0.44
Min	0.25	0.19	0.54	0.23	0.12
Max	0.64	0.68	0.98	0.99	0.90
Std. Dev.	0.09	0.12	0.09	0.17	0.16
Sum					

District	Reock	Polsby-Popper	Area/Convex Hull	Population Polygon	Population Circle
01A	0.55	0.39	0.85	0.98	0.90
01B	0.53	0.34	0.80	0.89	0.65
02A	0.31	0.36	0.79	0.79	0.43
02B	0.39	0.27	0.69	0.47	0.26
03A	0.32	0.25	0.70	0.34	0.14
03B	0.40	0.32	0.76	0.32	0.27
04A	0.36	0.19	0.68	0.97	0.90
04B	0.50	0.29	0.81	0.48	0.42
05A	0.42	0.40	0.76	0.83	0.34
05B	0.48	0.49	0.82	0.88	0.39
06A	0.33	0.26	0.65	0.60	0.42
06B	0.29	0.27	0.76	0.93	0.65
07A	0.56	0.37	0.82	0.61	0.54
07B	0.40	0.37	0.75	0.71	0.50
08A	0.33	0.21	0.54	0.83	0.69
08B	0.41	0.34	0.78	0.68	0.52

*This report was generated in Maptitude for Redistricting (Version 2021 Build 4960). A key explaining each measure is at the end of the report.

Measures of Compactness Report

District	Reock	Polsby-Popper	Area/Convex Hull	Population Polygon	Population Circle
09A	0.43	0.33	0.73	0.88	0.68
09B	0.46	0.52	0.87	0.72	0.33
10A	0.38	0.38	0.80	0.50	0.24
10B	0.36	0.43	0.81	0.70	0.15
11A	0.54	0.57	0.89	0.94	0.31
11B	0.47	0.45	0.79	0.90	0.69
12A	0.32	0.36	0.79	0.67	0.20
12B	0.38	0.35	0.64	0.84	0.61
13A	0.43	0.30	0.72	0.55	0.22
13B	0.40	0.39	0.82	0.81	0.38
14A	0.46	0.44	0.80	0.84	0.49
14B	0.39	0.22	0.70	0.51	0.37
15A	0.39	0.39	0.82	0.84	0.61
15B	0.33	0.31	0.87	0.93	0.42
16A	0.34	0.23	0.70	0.48	0.26
16B	0.49	0.61	0.90	0.99	0.77
17A	0.39	0.43	0.79	0.83	0.55
17B	0.33	0.23	0.65	0.43	0.24
18A	0.27	0.25	0.87	0.61	0.32
18B	0.29	0.28	0.70	0.95	0.71
19A	0.25	0.33	0.69	0.68	0.25
19B	0.35	0.51	0.89	0.99	0.53
20A	0.36	0.42	0.80	0.91	0.60
20B	0.43	0.28	0.71	0.23	0.18
21A	0.39	0.38	0.69	0.46	0.36
21B	0.39	0.48	0.82	0.86	0.62
22A	0.48	0.42	0.80	0.70	0.39
22B	0.38	0.24	0.70	0.31	0.23
23A	0.41	0.51	0.86	0.89	0.30
23B	0.56	0.55	0.87	0.92	0.76

Measures of Compactness Report

District	Reock	Polsby-Popper	Area/Convex Hull	Population Polygon	Population Circle
24A	0.51	0.57	0.91	0.47	0.23
24B	0.41	0.28	0.74	0.64	0.40
25A	0.43	0.36	0.75	0.62	0.36
25B	0.50	0.50	0.84	0.87	0.64
26A	0.39	0.50	0.88	0.98	0.75
26B	0.39	0.58	0.98	0.97	0.33
27A	0.41	0.48	0.88	0.92	0.40
27B	0.39	0.41	0.82	0.90	0.40
28A	0.56	0.47	0.79	0.84	0.54
28B	0.54	0.57	0.89	0.90	0.70
29A	0.39	0.23	0.62	0.54	0.34
29B	0.56	0.46	0.81	0.93	0.64
30A	0.35	0.21	0.67	0.78	0.41
30B	0.48	0.42	0.81	0.79	0.48
31A	0.46	0.46	0.89	0.85	0.46
31B	0.60	0.36	0.79	0.80	0.57
32A	0.38	0.47	0.80	0.71	0.31
32B	0.50	0.57	0.90	0.83	0.40
33A	0.31	0.33	0.78	0.80	0.27
33B	0.28	0.25	0.67	0.74	0.21
34A	0.33	0.42	0.88	0.85	0.24
34B	0.34	0.25	0.60	0.52	0.27
35A	0.31	0.35	0.78	0.79	0.35
35B	0.37	0.39	0.82	0.85	0.37
36A	0.56	0.48	0.82	0.70	0.48
36B	0.55	0.54	0.89	0.92	0.62
37A	0.53	0.54	0.90	0.66	0.31
37B	0.49	0.54	0.87	0.87	0.49
38A	0.53	0.55	0.86	0.89	0.65
38B	0.59	0.56	0.85	0.83	0.57

Measures of Compactness Report

District	Reock	Polsby-Popper	Area/Convex Hull	Population Polygon	Population Circle
39A	0.39	0.42	0.79	0.77	0.33
39B	0.45	0.32	0.65	0.69	0.54
40A	0.51	0.39	0.80	0.74	0.45
40B	0.42	0.38	0.68	0.68	0.40
41A	0.36	0.21	0.64	0.27	0.12
41B	0.48	0.30	0.72	0.68	0.54
42A	0.34	0.41	0.73	0.68	0.35
42B	0.56	0.68	0.95	0.98	0.54
43A	0.53	0.59	0.92	0.92	0.55
43B	0.45	0.42	0.79	0.72	0.35
44A	0.48	0.54	0.89	0.85	0.36
44B	0.40	0.39	0.77	0.85	0.53
45A	0.48	0.50	0.88	0.90	0.52
45B	0.51	0.38	0.83	0.84	0.45
46A	0.42	0.42	0.81	0.88	0.53
46B	0.50	0.39	0.76	0.75	0.51
47A	0.46	0.40	0.76	0.72	0.41
47B	0.42	0.46	0.86	0.78	0.44
48A	0.46	0.35	0.72	0.77	0.54
48B	0.60	0.48	0.85	0.81	0.50
49A	0.58	0.62	0.90	0.86	0.56
49B	0.43	0.49	0.80	0.86	0.47
50A	0.41	0.36	0.71	0.67	0.38
50B	0.64	0.58	0.90	0.92	0.68
51A	0.37	0.51	0.90	0.84	0.30
51B	0.35	0.54	0.89	0.89	0.33
52A	0.33	0.33	0.68	0.68	0.32
52B	0.39	0.37	0.74	0.71	0.44
53A	0.33	0.32	0.68	0.54	0.26
53B	0.29	0.24	0.61	0.65	0.31

Measures of Compactness Report

District	Reock	Polsby-Popper	Area/Convex Hull	Population Polygon	Population Circle
54A	0.36	0.23	0.64	0.86	0.50
54B	0.57	0.34	0.84	0.65	0.44
55A	0.46	0.44	0.78	0.81	0.47
55B	0.47	0.57	0.89	0.89	0.54
56A	0.56	0.58	0.88	0.85	0.57
56B	0.50	0.51	0.82	0.92	0.66
57A	0.52	0.62	0.93	0.80	0.25
57B	0.44	0.57	0.90	0.93	0.44
58A	0.32	0.34	0.74	0.78	0.35
58B	0.49	0.30	0.69	0.37	0.21
59A	0.46	0.60	0.89	0.92	0.58
59B	0.32	0.35	0.72	0.76	0.34
60A	0.47	0.57	0.87	0.89	0.39
60B	0.51	0.50	0.81	0.83	0.65
61A	0.43	0.50	0.83	0.71	0.33
61B	0.47	0.59	0.92	0.90	0.42
62A	0.45	0.60	0.94	0.95	0.48
62B	0.38	0.40	0.70	0.68	0.35
63A	0.47	0.58	0.86	0.83	0.41
63B	0.25	0.31	0.75	0.74	0.29
64A	0.27	0.38	0.72	0.75	0.32
64B	0.52	0.59	0.90	0.94	0.52
65A	0.38	0.47	0.86	0.90	0.44
65B	0.60	0.44	0.78	0.80	0.56
66A	0.63	0.58	0.91	0.87	0.59
66B	0.33	0.34	0.73	0.79	0.44
67A	0.46	0.61	0.91	0.88	0.49
67B	0.41	0.56	0.89	0.91	0.40

Measures of Compactness Report

Measures of Compactness Summary

Reock	The measure is always between 0 and 1, with 1 being the most compact.
Polsby-Popper	The measure is always between 0 and 1, with 1 being the most compact.
Area / Convex Hull	The measure is always between 0 and 1, with 1 being the most compact.
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