

User:

Plan Name: Good Government CO 3

Plan Type: Congress

# Measures of Compactness Report

Wednesday, October 13, 2021

2:27 PM

Number of cut edges: 2,823

	Reock	Schwartzberg	Alternate Schwartzberg	Polsby-Popper	Population Polygon	Area/Convex Hull	Population Circle	Ehrenburg	Perimeter	Length-Width
Sum	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3,845.61	N/A
Min	0.15	1.32	1.37	0.10	0.47	0.50	0.13	0.14	N/A	3.03
Max	0.64	3.00	3.17	0.53	0.91	0.97	0.65	0.54	N/A	69.00
Mean	0.36	1.84	1.93	0.32	0.75	0.82	0.28	0.37	N/A	39.67
Std. Dev.	0.16	0.53	0.57	0.13	0.14	0.15	0.16	0.14	N/A	23.64

District	Reock	Schwartzberg	Alternate Schwartzberg	Polsby-Popper	Population Polygon	Area/Convex Hull	Population Circle	Ehrenburg	Perimeter	Length-Width
1	0.15	3.00	3.17	0.10	0.62	0.50	0.27	0.30	144.24	3.03
2	0.64	1.32	1.37	0.53	0.91	0.94	0.17	0.54	1,090.31	54.86
3	0.39	1.57	1.59	0.39	0.47	0.84	0.13	0.48	1,140.17	27.02
4	0.42	1.46	1.55	0.42	0.79	0.93	0.18	0.48	485.67	69.00
5	0.47	1.61	1.73	0.33	0.83	0.77	0.65	0.45	221.70	15.74
6	0.20	1.75	1.76	0.32	0.86	0.97	0.34	0.14	177.80	59.64
7	0.34	1.94	2.16	0.22	0.73	0.72	0.22	0.37	318.96	31.59
8	0.26	2.07	2.12	0.22	0.77	0.86	0.26	0.21	266.76	56.49

## Measures of Compactness Summary

---

<b>Reock</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Schwartzberg</b>	The measure is usually greater than or equal to 1, with 1 being the most compact.
<b>Alternate Schwartzberg</b>	This measure is always greater than or equal to 1, with 1 being the most compact.
<b>Polsby-Popper</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Population Polygon</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Area / Convex Hull</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Population Circle</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Ehrenburg</b>	The measure is always between 0 and 1, with 1 being the most compact.
<b>Perimeter</b>	The Perimeter test computes one number for the whole plan. If you are comparing several plans, the plan with the smallest total perimeter is the most compact.
<b>Length-Width</b>	A lower number indicates better length-width compactness.
<b>Cut Edges</b>	A smaller number implies a more compact plan. The measure should only be used to compare plans defined on the same base layer.