

User:

Plan Name: VA least change 2

Plan Type: VA least change

# Measures of Compactness Report

Sunday, January 16, 2022

4:34 PM

Number of cut edges: 4,445

	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	4,914.30	N/A
Min	0.22	1.70	1.93	0.09	0.47	0.53	0.19	0.16	N/A	1.29
Max	0.55	3.09	3.31	0.27	0.87	0.79	0.80	0.47	N/A	148.40
Mean	0.34	2.12	2.35	0.19	0.65	0.69	0.43	0.32	N/A	34.45
Std. Dev.	0.09	0.38	0.38	0.05	0.14	0.08	0.19	0.10	N/A	41.98

District	Reock	Schwartzberg	Alternate Schwartzberg	Polsby-Popper	Population Polygon	Area/Convex Hull	Population Circle	Ehrenburg	Perimeter	Length-Width
1	0.30	2.24	2.53	0.16	0.47	0.67	0.20	0.40	578.23	18.55
2	0.35	2.14	2.35	0.18	0.49	0.60	0.44	0.24	514.83	12.51
3	0.55	1.70	1.93	0.27	0.79	0.78	0.70	0.47	215.99	1.29
4	0.38	2.00	2.28	0.19	0.51	0.70	0.28	0.44	480.72	26.07
5	0.31	1.98	2.17	0.21	0.59	0.69	0.19	0.37	763.32	57.75
6	0.25	2.10	2.41	0.17	0.75	0.67	0.39	0.22	704.38	35.44
7	0.33	2.09	2.32	0.19	0.64	0.68	0.40	0.27	439.90	50.12
8	0.36	1.75	1.95	0.26	0.87	0.79	0.57	0.34	87.00	11.78
9	0.24	1.85	2.05	0.24	0.83	0.79	0.80	0.27	713.17	148.40
10	0.42	2.35	2.57	0.15	0.52	0.66	0.40	0.31	255.50	2.01
11	0.22	3.09	3.31	0.09	0.69	0.53	0.37	0.16	161.26	15.00

## Measures of Compactness Summary

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<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.