

User:

Plan Name: TRAINING VA 1

Plan Type: Congress

# Measures of Compactness Report

Tuesday, March 29, 2022

6:05 PM

Number of cut edges: 3,229

	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	4,104.71	N/A
Min	0.22	1.35	1.56	0.24	0.46	0.64	0.20	0.22	N/A	0.98
Max	0.55	1.84	2.03	0.41	0.98	0.88	0.86	0.56	N/A	143.47
Mean	0.38	1.69	1.89	0.29	0.68	0.76	0.47	0.38	N/A	29.82
Std. Dev.	0.11	0.14	0.14	0.05	0.16	0.08	0.21	0.12	N/A	41.61

District	Reock	Schwartzberg	Alternate Schwartzberg	Polsby-Popper	Population Polygon	Area/Convex Hull	Population Circle	Ehrenburg	Perimeter	Length-Width
1	0.44	1.56	1.78	0.32	0.58	0.83	0.33	0.38	449.52	15.91
2	0.25	1.84	1.97	0.26	0.58	0.64	0.43	0.28	389.97	28.89
3	0.47	1.72	1.93	0.27	0.79	0.77	0.70	0.56	199.11	4.12
4	0.55	1.75	1.97	0.26	0.64	0.80	0.49	0.53	455.30	13.56
5	0.39	1.59	1.74	0.33	0.71	0.85	0.36	0.43	573.65	64.19
6	0.28	1.75	2.03	0.24	0.72	0.72	0.35	0.44	635.93	8.90
7	0.33	1.73	1.94	0.27	0.46	0.73	0.20	0.30	437.21	28.62
8	0.51	1.35	1.56	0.41	0.94	0.88	0.76	0.48	64.12	0.98
9	0.22	1.78	1.98	0.26	0.98	0.79	0.86	0.27	628.66	143.47
10	0.37	1.73	1.91	0.27	0.59	0.66	0.32	0.24	146.68	12.74
11	0.39	1.83	2.00	0.25	0.54	0.66	0.38	0.22	124.56	6.68

## 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.