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Plan Name: WI Least Changed

Plan Type: WI Least Changed

# Measures of Compactness Report

Sunday, October 17, 2021

10:12 PM

Number of cut edges: 3,847

	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	4,389.37	N/A
Min	0.31	1.35	1.36	0.17	0.61	0.59	0.20	0.17	N/A	2.28
Max	0.57	2.32	2.42	0.54	0.87	0.97	0.67	0.59	N/A	67.46
Mean	0.44	1.75	1.82	0.33	0.75	0.79	0.48	0.35	N/A	25.31
Std. Dev.	0.09	0.28	0.31	0.11	0.10	0.11	0.16	0.12	N/A	26.38

District	Reock	Schwartzberg	Alternate Schwartzberg	Polsby-Popper	Population Polygon	Area/Convex Hull	Population Circle	Ehrenburg	Perimeter	Length-Width
1	0.31	1.65	1.76	0.32	0.80	0.87	0.34	0.26	326.93	67.46
2	0.49	1.57	1.60	0.39	0.87	0.87	0.67	0.59	366.23	3.40
3	0.33	2.32	2.42	0.17	0.77	0.59	0.46	0.17	918.31	7.48
4	0.45	1.35	1.36	0.54	0.87	0.97	0.62	0.42	159.05	26.34
5	0.48	1.84	1.90	0.28	0.61	0.80	0.37	0.35	319.54	15.96
6	0.40	1.78	1.80	0.31	0.66	0.78	0.20	0.30	564.23	64.86
7	0.57	1.81	1.96	0.26	0.65	0.72	0.56	0.38	1,123.69	2.28
8	0.47	1.68	1.75	0.33	0.76	0.75	0.60	0.32	611.39	14.67

## 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.