

User:

Plan Name: MS Good Gov 2

Plan Type:

# Measures of Compactness Report

Monday, January 31, 2022

9:29 PM

Number of cut edges: 1,097

	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	3,126.63	N/A
Min	0.26	1.24	1.45	0.16	0.53	0.71	0.37	0.32	N/A	9.87
Max	0.56	1.98	2.46	0.48	0.98	0.94	0.90	0.59	N/A	87.75
Mean	0.43	1.70	1.97	0.29	0.80	0.81	0.65	0.45	N/A	36.09
Std. Dev.	0.14	0.34	0.45	0.14	0.19	0.10	0.23	0.12	N/A	36.03

District	Reock	Schwartzberg	Alternate Schwartzberg	Polsby-Popper	Population Polygon	Area/Convex Hull	Population Circle	Ehrenburg	Perimeter	Length-Width
1	0.52	1.64	1.78	0.32	0.89	0.79	0.77	0.48	644.51	12.99
2	0.38	1.98	2.46	0.16	0.81	0.81	0.56	0.40	1,045.50	87.75
3	0.26	1.92	2.20	0.21	0.53	0.71	0.37	0.32	977.13	9.87
4	0.56	1.24	1.45	0.48	0.98	0.94	0.90	0.59	459.49	33.74

## 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.