

User:

Plan Name: ID Compact 2

Plan Type: Compact 2

# Measures of Compactness Report

Wednesday, November 3, 2021

3:16 PM

Number of cut edges: 352

	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	2,717.70	N/A
Min	0.25	1.52	1.67	0.22	0.91	0.72	0.50	0.33	N/A	33.33
Max	0.43	1.81	2.11	0.36	0.95	0.80	0.87	0.46	N/A	192.00
Mean	0.34	1.67	1.89	0.29	0.93	0.76	0.69	0.40	N/A	112.67
Std. Dev.	0.13	0.21	0.31	0.10	0.03	0.06	0.26	0.09	N/A	112.20
District	Reock	Schwartzberg	Alternate Schwartzberg	Polsby-Popper	Population Polygon	Area/Convex Hull	Population Circle	Ehrenburg	Perimeter	Length-Width
1	0.43	1.52	1.67	0.36	0.95	0.80	0.87	0.46	814.78	33.33
2	0.25	1.81	2.11	0.22	0.91	0.72	0.50	0.33	1,902.92	192.00

## 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.