

Gini Coefficient

Strata	People	Income/Segment	X	Y	σX	σY	$\sigma X_{i-1} - \sigma X_i (B)$	$\sigma Y_{i-1} + \sigma Y_i (A)$	A*B
					0	0			
10000	2	=A8*B8	=B8/\$B\$11	=C8/\$C\$11	=F7+D8	=G7+E8	=F8-F7	=G8+G7	=H8*I8
20000	3	=A9*B9	=B9/\$B\$11	=C9/\$C\$11	=F8+D9	=G8+E9	=F9-F8	=G9+G8	=H9*I9
30000	1	=A10*B10	=B10/\$B\$11	=C10/\$C\$11	=F9+D10	=G9+E10	=F10-F9	=G10+G9	=H10*I10
Totals	<u>=SUM(B8:B10) =SUM(C8:C10)</u>		1	1					<u>=SUM(J8:J10)</u>
								Gb	=1-J11

Numerical Example

Strata	People	Income/Segment	X	Y	σX	σY	$\sigma X_{i-1} - \sigma X_i (B)$	$\sigma Y_{i-1} + \sigma Y_i (A)$	A*B
					0	0			
10000	2 \$	20,000	0.333	0.182	0.333	0.182	0.333	0.182	0.061
20000	3 \$	60,000	0.500	0.545	0.833	0.727	0.500	0.909	0.455
30000	1 \$	30,000	0.167	0.273	1.000	1.000	0.167	1.727	0.288
Totals	<u>6 \$</u>	<u>110,000</u>	1	1					<u>0.803</u>
								Gb	0.197