GINI INDEX

Y = income in a pop.

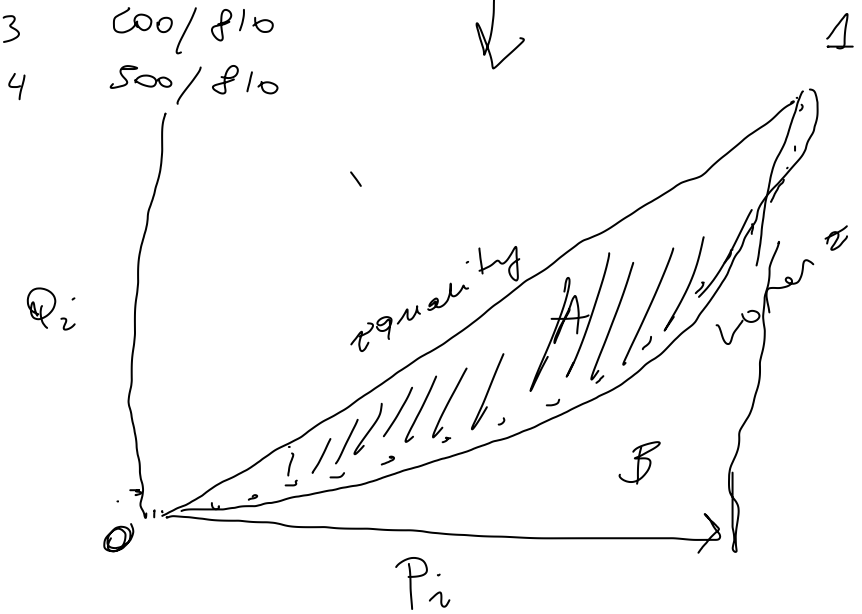
$y_1, y_2, \dots, y_i, \dots, y_N$ disagg. distr.

$y_{(1)}, y_{(2)}, \dots, y_{(N)}$

	n_i	f_i	P_i	Q_i
$A_1 \to y_{(1)}$	n_1	f_1	$P_1 = f_1$	A_1/tot_{A_N}
$A_2 \to y_{(2)}$	n_2	f_2	$P_2 = f_1 + f_2$	A_2/tot_{A_N}
$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$
$A_N \to (y_3)$	n_N	f_N	P_N	A_N/tot_{A_N}

$tot A_N$

	y_i	A_i	Q_i
1	10	A_1	10/810
2	100	A_2	100/810
3	200	A_3	200/810
4	500	A_4	500/810
	810		



$$G = 1 - \frac{A}{A+B} = 1 - \frac{\sum_{i=1}^{n} P_i - Q_i}{\sum_{i=1}^{n-1} P_i}$$