Waseda University School of Political Science and Economices

Welfare Economics Assignment
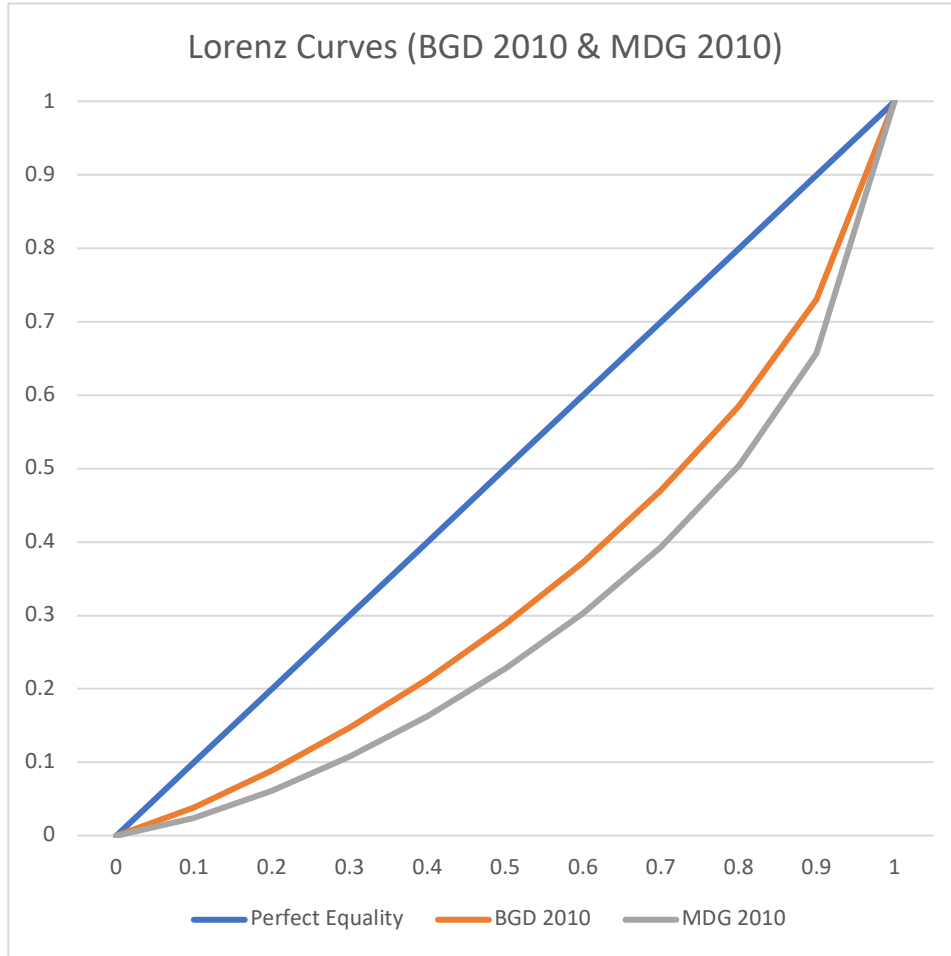
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January 30, 2024

1 Bangladesh vs. Madagascar

1. Lorenz Curves

2. MLD & Gini

	mld	gini
BGD	0.16758584	0.32130319
MDG	0.30296649	0.42417488

Bangladesh: mld = 0.16758584, gini = 0.32130319

Madagascar: mld = 0.30296649, gini = 0.42417488

3. $P_H, P_G, P_{SG}, P_W, IGR, I_{CV}, I_{MLD}$

	FGT0	FGT1	FGT2	Watts	IGR	CV poor	MLD poor
BGD	0.18223856	0.03213923	0.00870184	0.03795699	0.17635799	0.1566523	0.01426261
MDG	0.80154729	0.40252269	0.23914167	0.644604	0.50218208	0.43159599	0.10667868

Bangladesh:
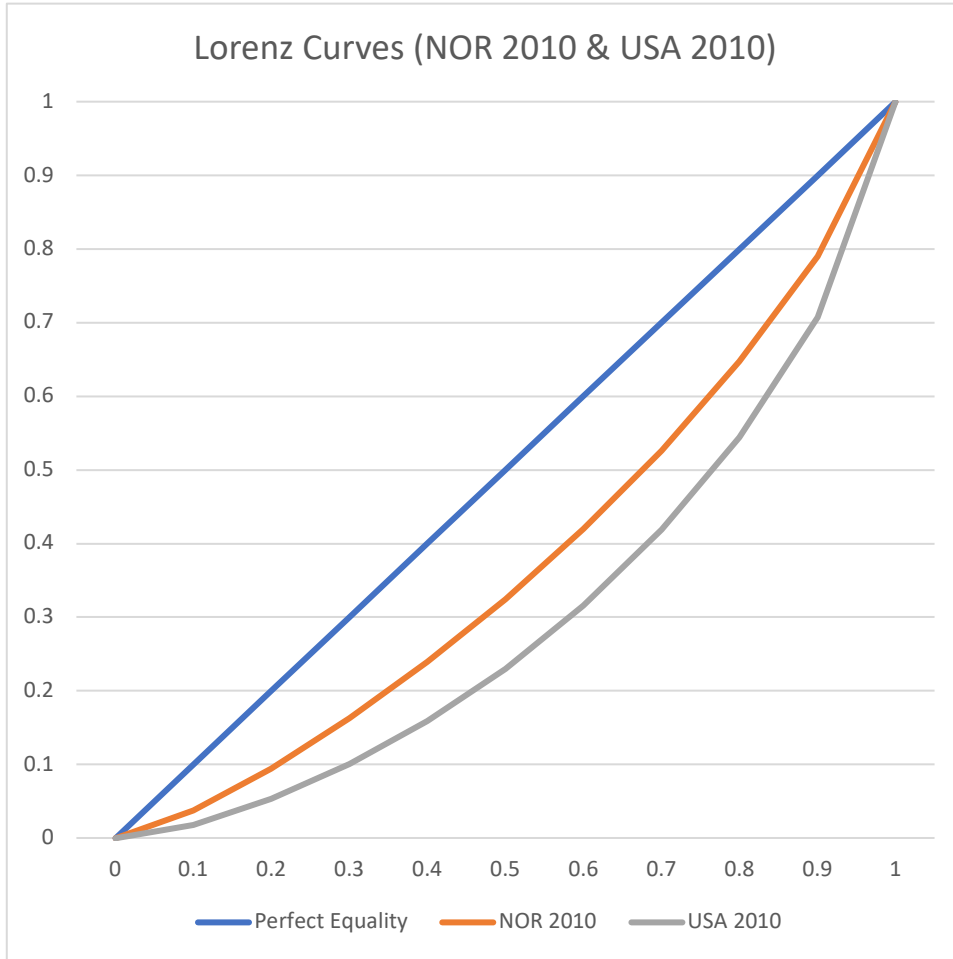$P_H = 0.18223856, P_G = 0.03213923, P_{SG} = 0.00870184, P_W = 0.03795699,$
$IGR = 0.17635799, I_{CV} = 0.1566523, I_{MLD} = 0.01426261$

Madagascar:
$P_H = 0.80154729, P_G = 0.40252269, P_{SG} = 0.23914167, P_W = 0.644604,$
$IGR = 0.50218208, I_{CV} = 0.43159599, I_{MLD} = 0.10667868$

2 Norway vs. USA

1. Lorenz Curves

2. MLD & Gini

	mld	gini
NOR	0.12150259	0.25723967
USA	0.31122711	0.40010713

Norway: mld = 0.12150259, gini = 0.25723967

USA: mld = 0.31122711, gini = 0.40010713

3. $P_H, P_G, P_{SG}, P_W, IGR, I_{CV}, I_{MLD}$

	FGT0	FGT1	FGT2	Watts	IGR	CV poor	MLD poor
NOR	0.00150988	0.00103711	8.56E-04	0.00236532	0.6868839	0.98602087	0.40538035
USA	0.00999727	0.00870546	0.00794522	0.00911739	0.87078361	1.47802572	-1.1342783

Norway: $P_H = 0.00150988, P_G = 0.00103711, P_{SG} = 8.56E - 04, P_W = 0.00236532,$ $IGR = 0.6868839, I_{CV} =, 0.98602087, I_{MLD} = 0.40538035$

USA: $P_H = 0.00999727, P_G = 0.00870546, P_{SG} = 0.00794522, P_W = 0.00911739,$ $IGR = 0.87078361, I_{CV} = 1.47802572, I_{MLD} = -1.1342783$