



Aalto-yliopisto
Perustieteiden
korkeakoulu

On measuring dependence of income distribution and crime (topic presentation)

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Työn saa tallentaa ja julkistaa Aalto-yliopiston avoimilla verkkosivuilla. Muilta osin kaikki oikeudet pidätetään.

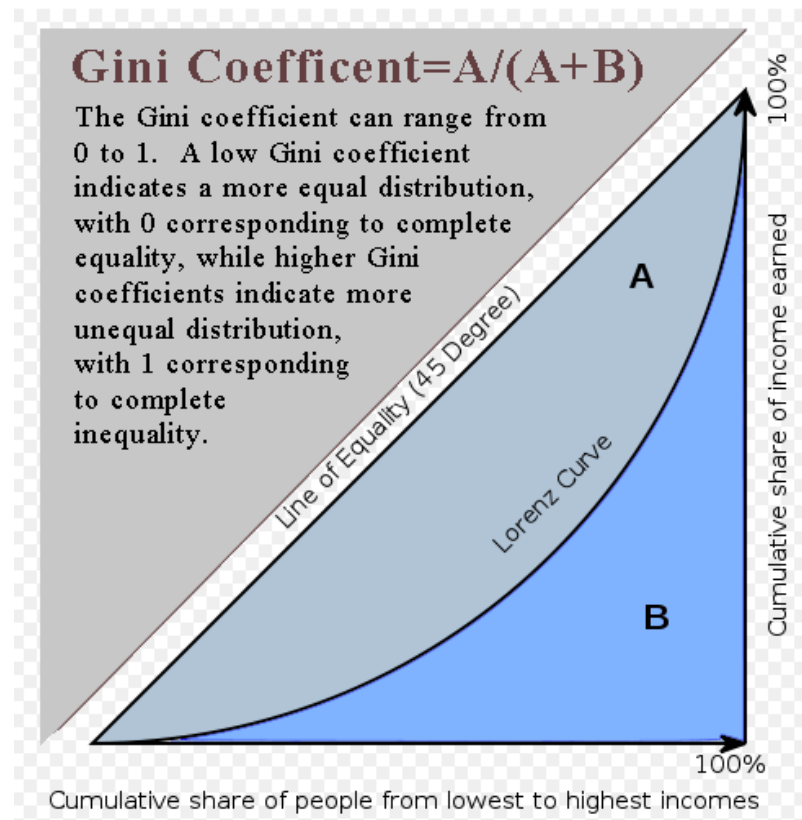
Background

- The effects of income distribution are a politically important and current topic
- Studies have shown correlation with income inequality and lower GDP growth
- Studies on the effects on crime have been somewhat limited in scope
- How does income inequality affect different forms of crime (murder, theft etc.)?

Income distribution

- Most commonly used index is Gini coefficient
- Based on Lorenz curve (cumulative total net income of population)
- Describes the equality of the distribution
- Different distributions can have the same Gini coefficient
- Indexes based on the share of the very poor might explain crime better

Gini coefficient



<https://mansiparikh.files.wordpress.com/2010/06/gini.gif>

Objectives

- Deciding sensible indexes for crime and income distribution in different countries
- Correlation analysis to see the quality of dependence
- Handling of sources of error

References

- <http://www.oecd.org/>
- <http://www.unodc.org/unodc/en/data-and-analysis/statistics/crime.html>
- <http://siteresources.worldbank.org/DEC/Resources/Crime%26Inequality.pdf>

Schedule

- Work on thesis started 1.6.2015
- Topic presentation 8.6.2015
- Thesis presentation 8-9/2015
- Thesis ready 9/2015