

Introduction to Development Theories



Pablo Abitbol

Universidad Tecnológica de Bolívar

Astronomy for Development Workshop

Latin American XV Regional International Astronomical Union Meeting

Cartagena de Indias, october 5 2016

“Development”

Definitions

Measurement

Explanation & Intervention

Criticisms & Alternatives

A thought on Astro4Dev & our approach @ UTB

Definitions

Economic Development

Social Development

Sustainable Development

Human Development

Development as Freedom, Amartya Sen

Measurement

GDP *per capita* Growth

GINI Coefficient

Life Expectancy, Public & Private Goods p/c, etc.

Poverty Lines

Unsatisfied Basic Needs

Multidimensional Poverty Index (MPI)

Sustainable Development Goals (17)

Human Development Index (HDI)

Explanation & Intervention

Factors of Production

Investment & Technology (Exogenous)

Human Capital & Innovation (Endogenous)

Redistribution

Social Investment (Impact Evaluation, RCTs, Poverty Traps)

Social Capital

Formal & Informal Institutions

Douglass North, Acemoglu & Robinson, Inglehart & Welzel

Social Learning & Deliberative Democracy

Complexity and Evolutionary Dynamics

Criticisms & Alternatives

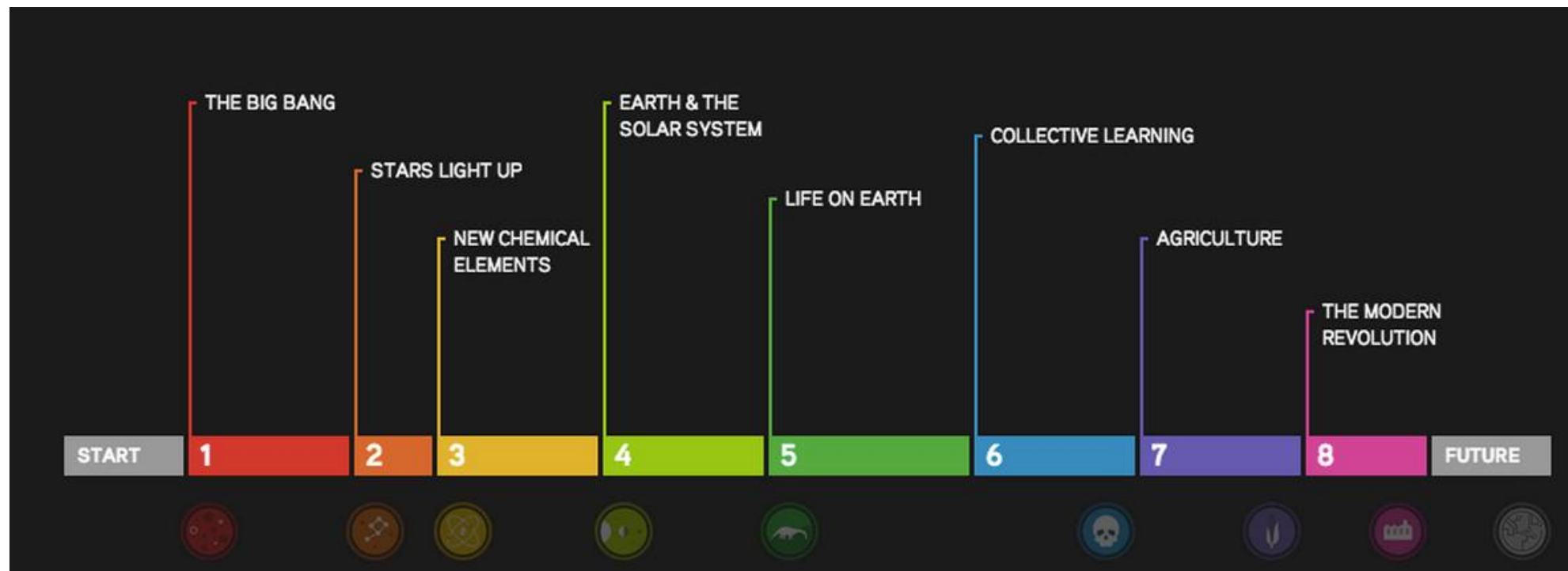
Feminism

De-colonialism & Subaltern Studies

Development as Conflict

Post-development

Neo-marxism



Big History Initiative @ UTB

+

Applied Research Network on
Institutions, Social Learning and Territorial Peace Building

¡Gracias!

pabitbol@unitecnologica.edu.co



Universidad
Tecnológica
de Bolívar

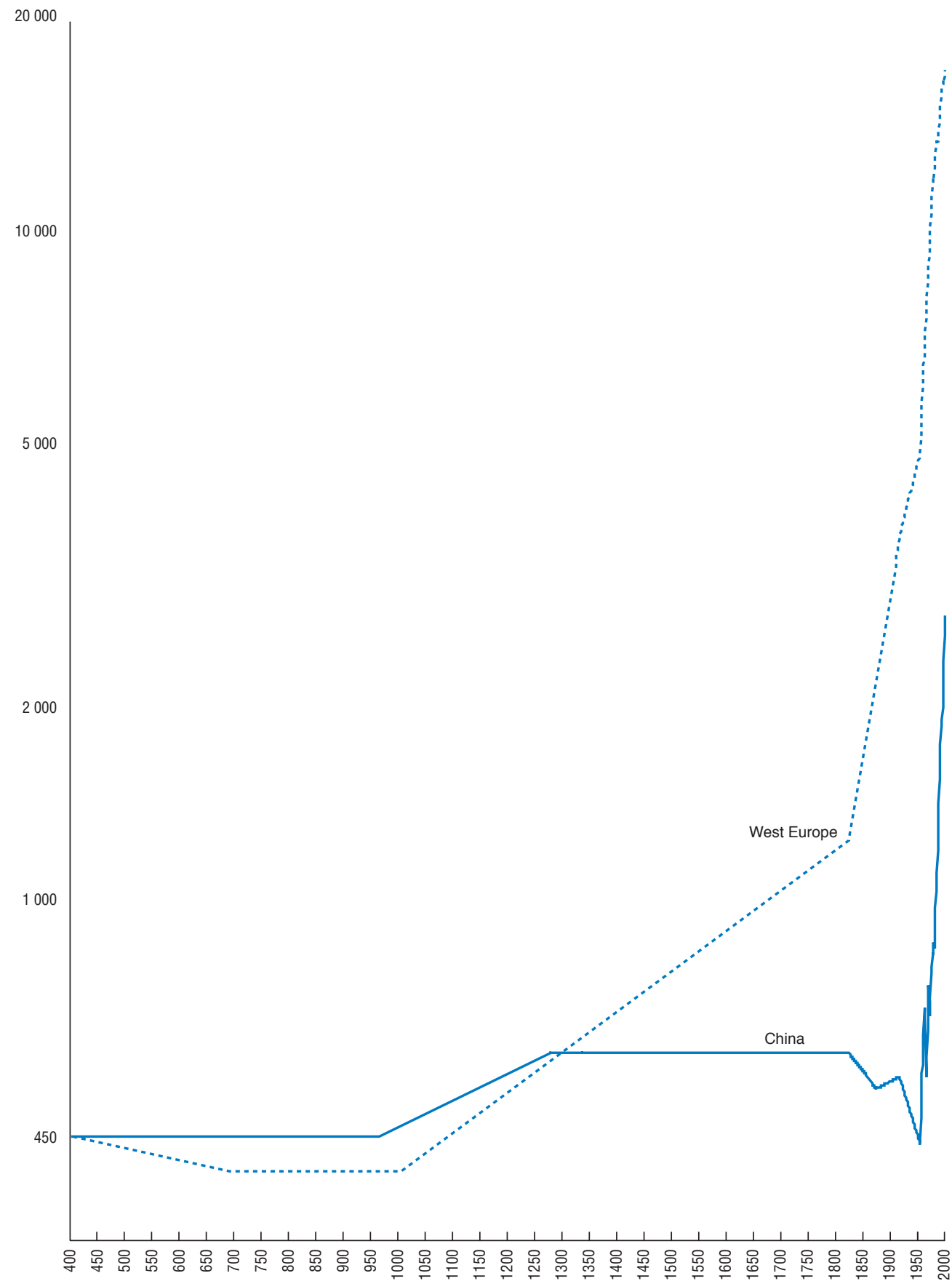
CARTAGENA DE INDIAS

VIGILADA MINEDUCACIÓN

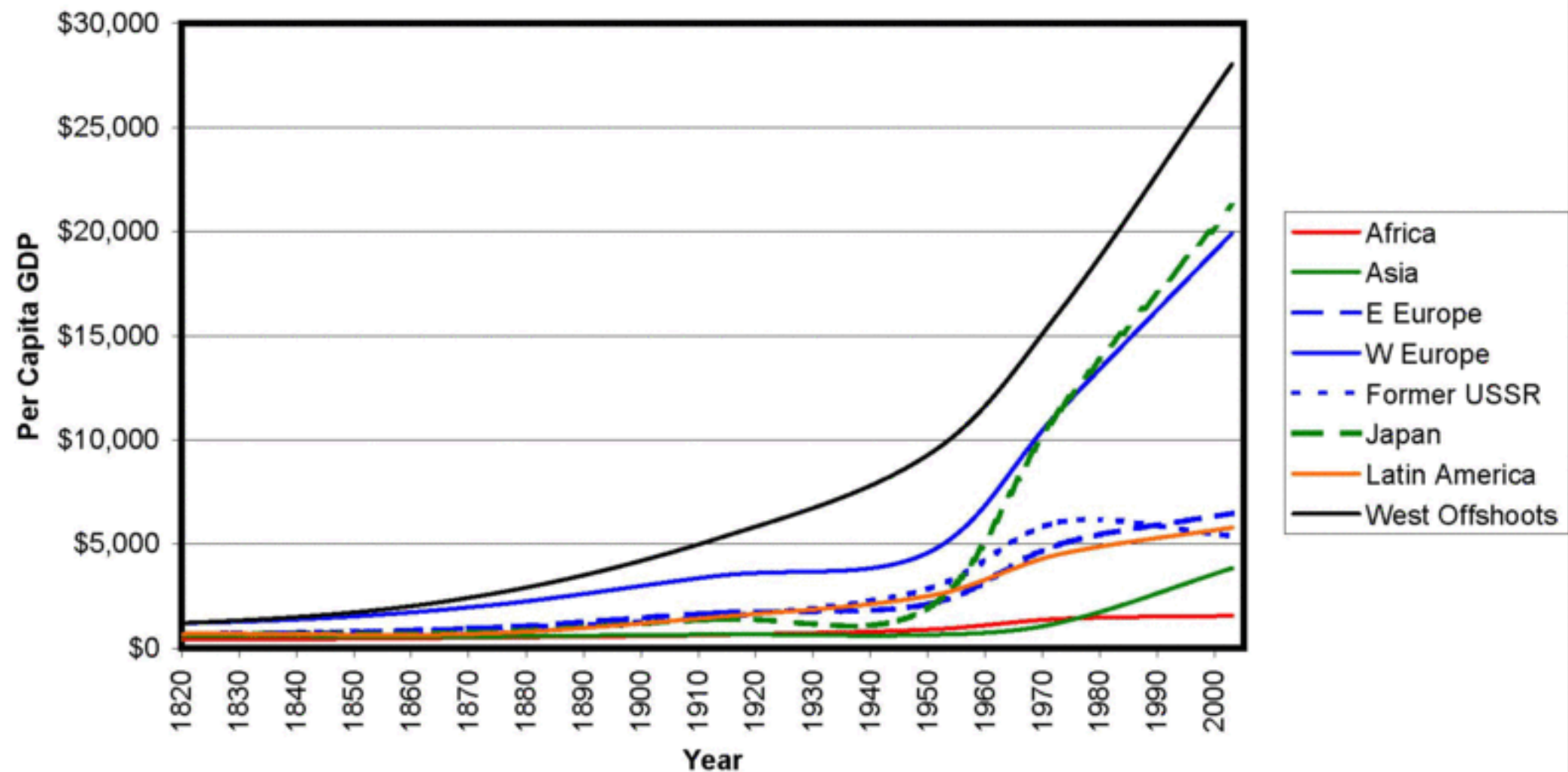


Renovación, Resolución N° 09794 de 2015
del Ministerio de Educación Nacional

Figure 1-4. Comparative Levels of GDP Per Capita: China and West Europe, 400-1998 A.D.



Per Capita GDP by World Region 1820 - 2003 (1990 International Dollars)



Source: Angus Maddison. "Contours of the World Economy, 1-2030 AD: Essays in Macro-Economic History." New York: Oxford University Press, 2007. 382.

© 2008, Michael W. Kruse

Gini coefficient

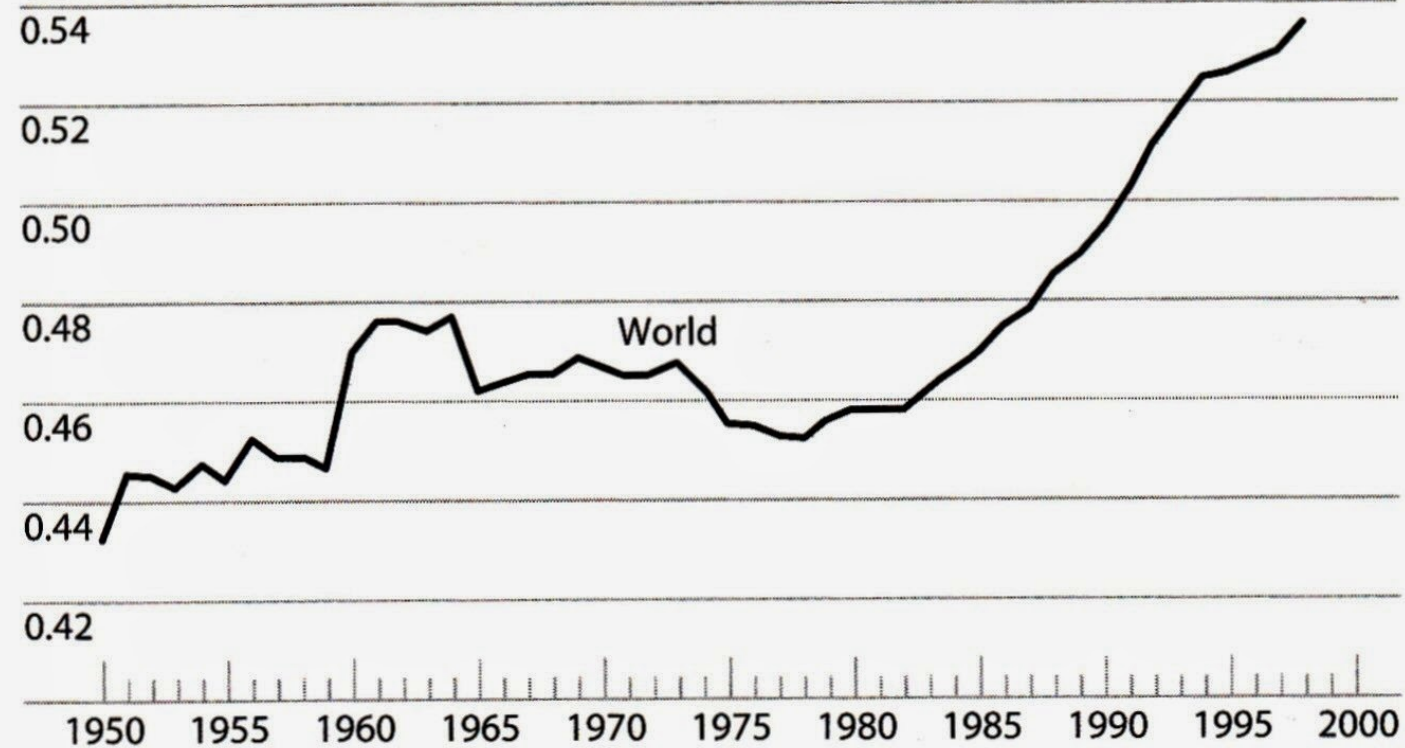
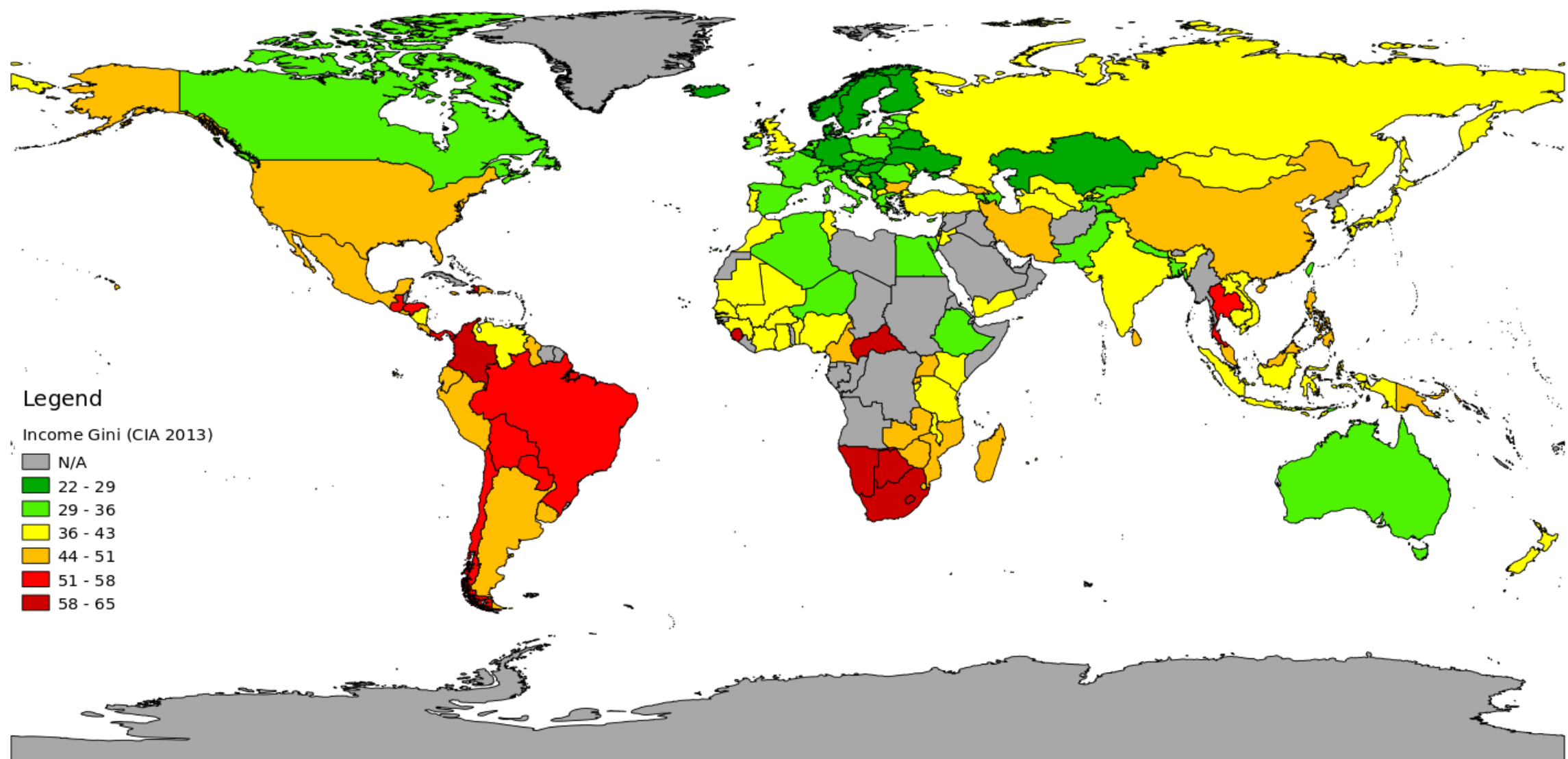
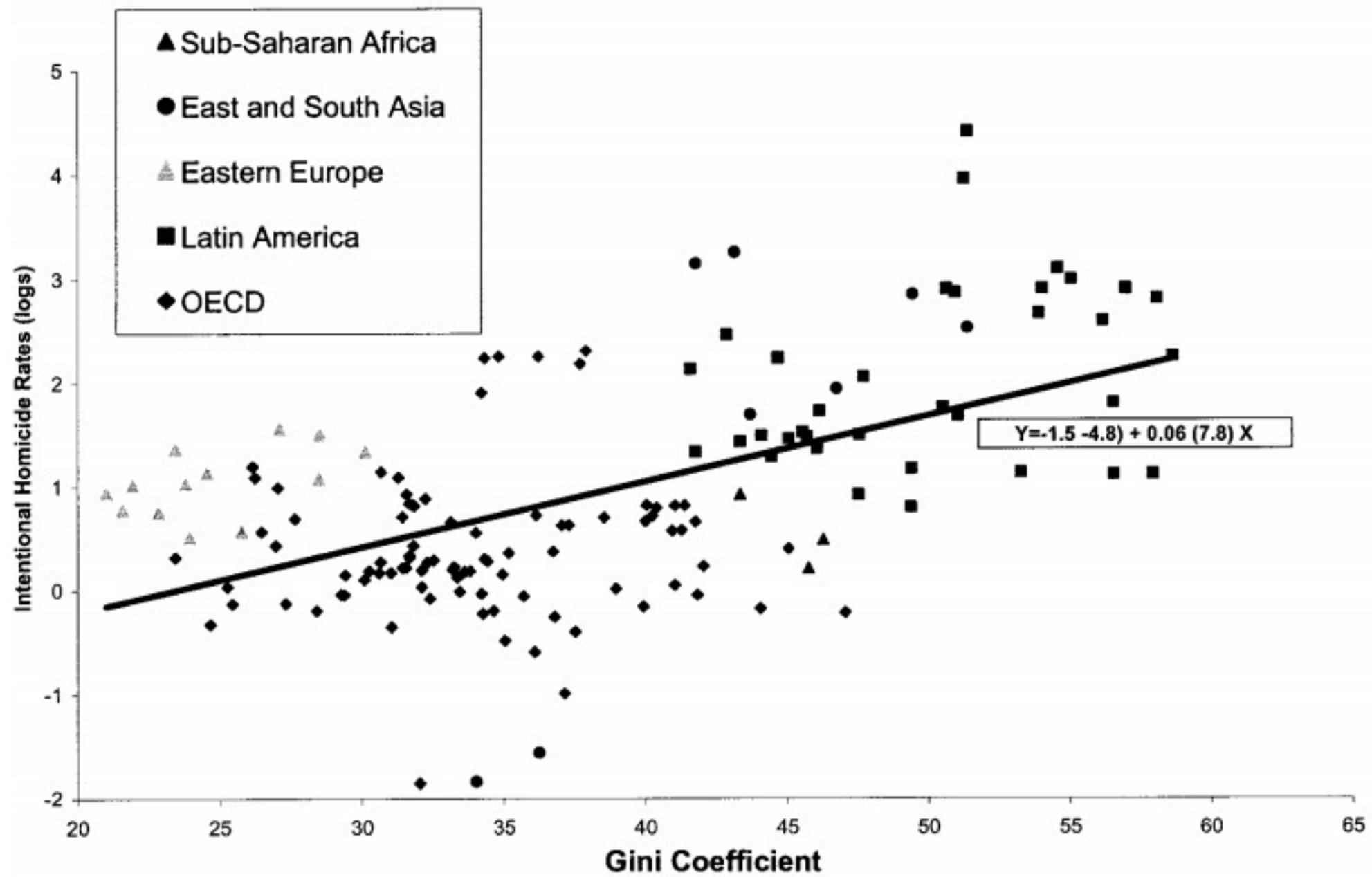


Figure 7.2. Gini coefficient: unweighted intercountry inequality, 1950–1998. Each country is one observation. Branko Milanovic. 2003. "The Two Faces of Globalization: Against Globalization as We Know It," *World Development* 31(4): 667–683, p. 675, figure 3. © Elsevier.

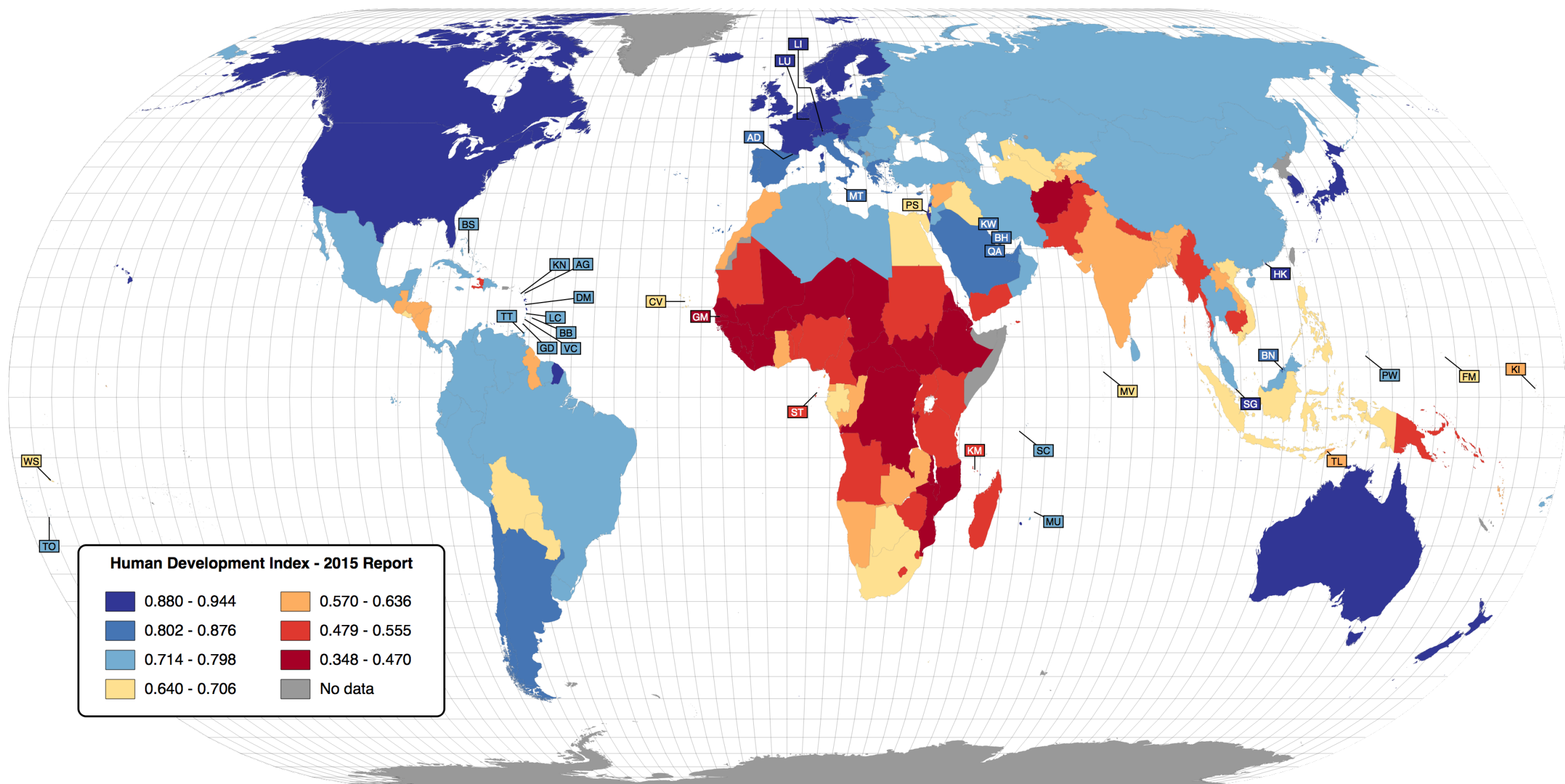


[https://commons.wikimedia.org/wiki/File:World_Income_Gini_Map_\(2013\).svg](https://commons.wikimedia.org/wiki/File:World_Income_Gini_Map_(2013).svg)



Fajnzylber, Lederman & Loayza (2002) "What causes violent crime?" *European Economic Review*, 46: 1323-1357





Martha Nussbaum's “central human capabilities”:

1. life
2. bodily health
3. bodily integrity
4. senses, imagination and thought
5. emotions
6. practical reason
7. affiliation
8. other species
9. play
10. control over one's environment

Nussbaum (2006) *Frontiers of Justice: Disability, Nationality, Species Membership*
Harvard University Press: pp. 76–78.