Inequality and Opportunities beyond High School

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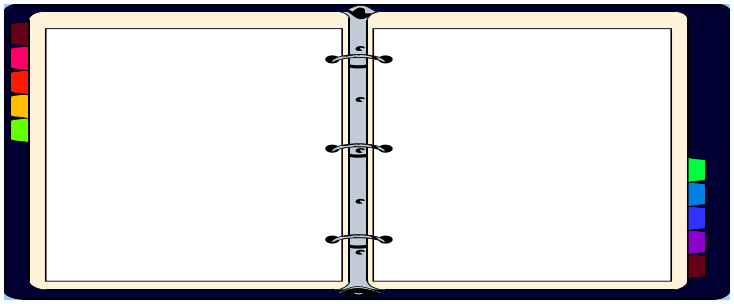
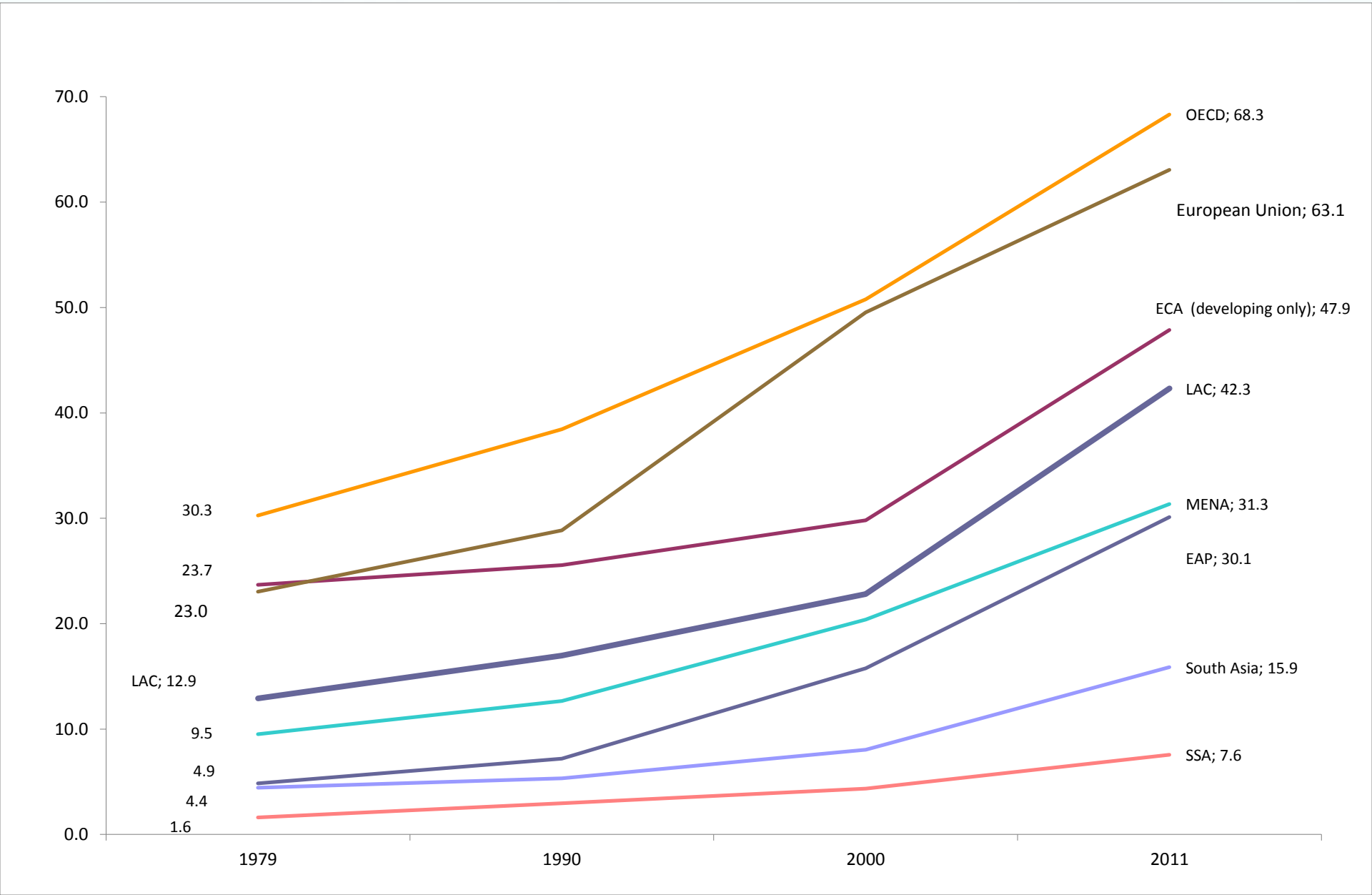
University of Luxembourg, 20 January 2016

Outline



- Why equity matters
- Determinants of inequality
- Equity promotion policies

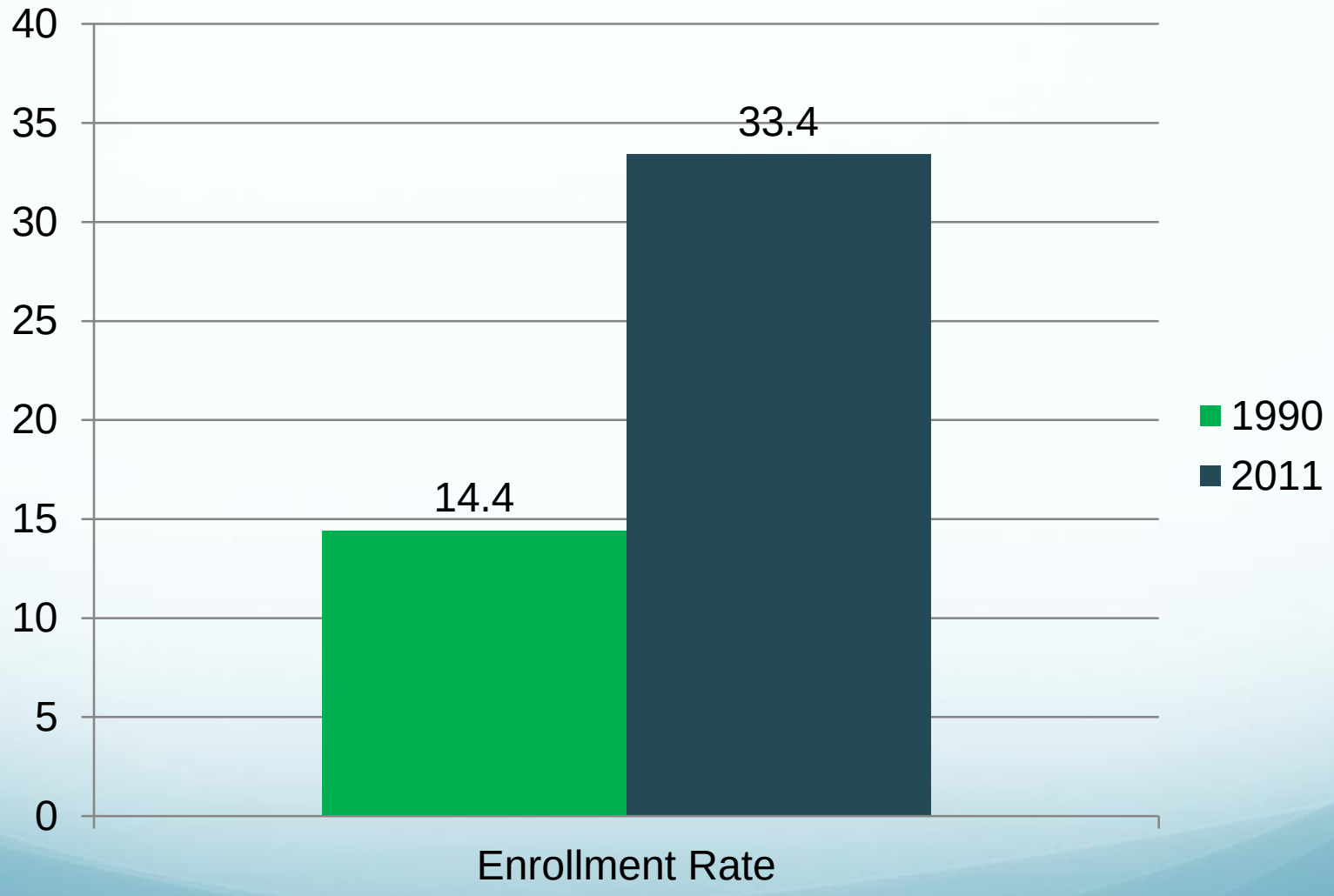
Evolution of Tertiary Education Enrollments Rates (1979 – 2011)



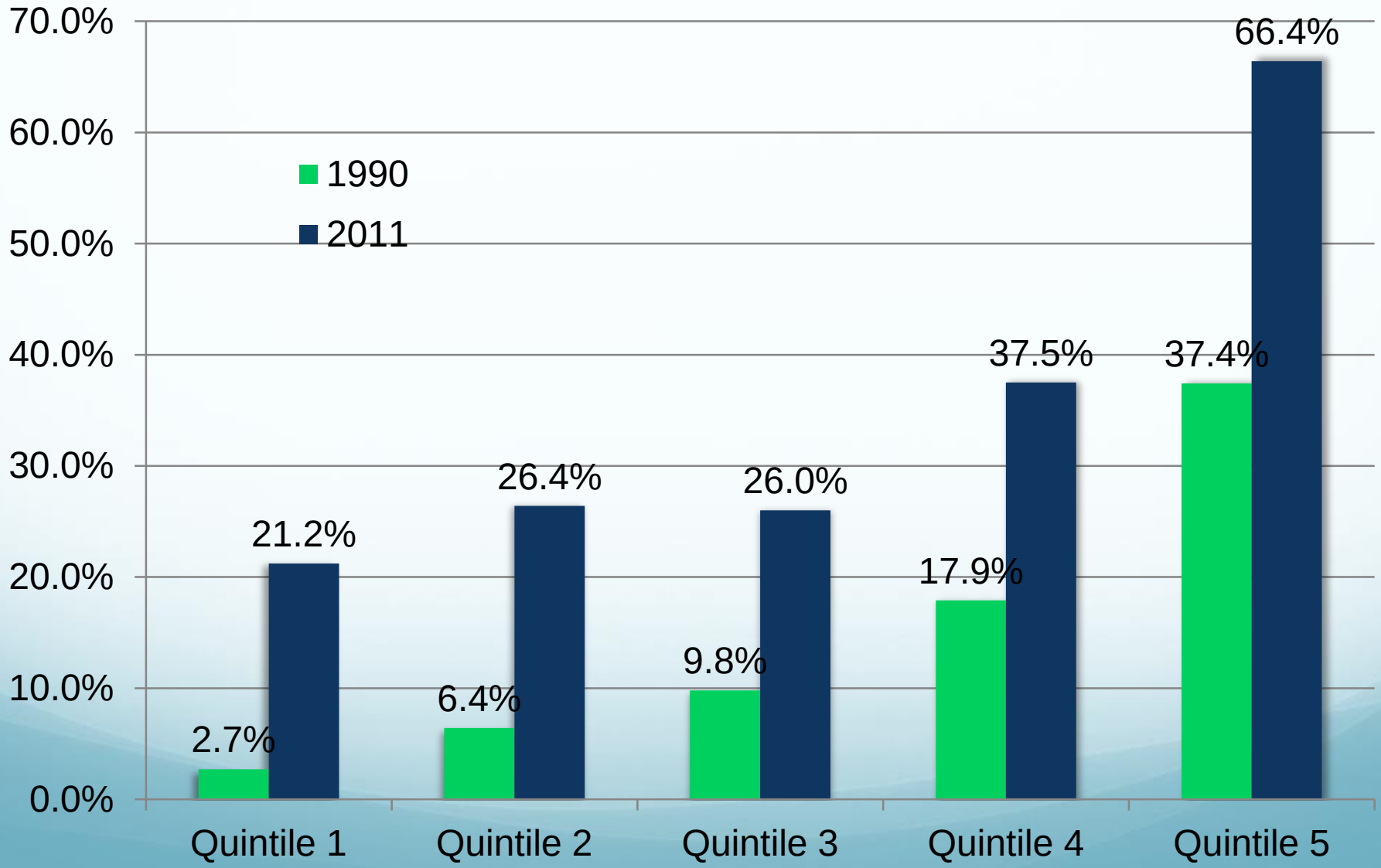
Observation

- in spite of rapid enrollment growth world-wide, tertiary education remains largely elitist, with strong disparities in access and success persisting in high, middle and low income countries

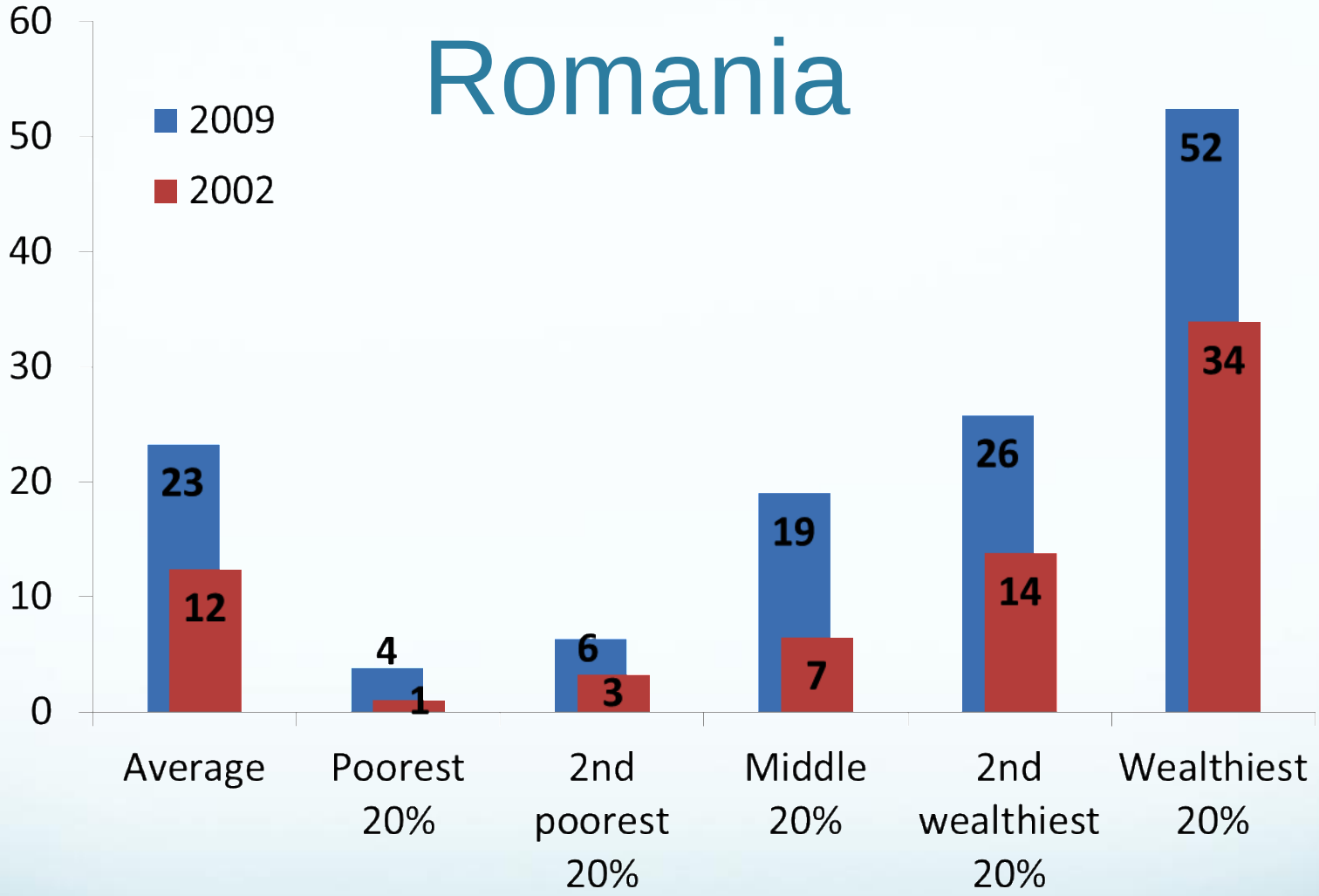
Tertiary coverage in Chile (%)



Enrollment rate per income quintile
(1990 – 2011)



Romania


60
50
40
30
20
10
0
2009
2002
23
12
4
1
6
3
19
7
26
14
52
34
Average
Poorest 20%
2nd poorest 20%
Middle 20%
2nd wealthiest 20%
Wealthiest 20%

The equity imperative: social and economic cost

- social justice
  - 62 richest people on Planet Earth = 3.5 billion people in lowest income groups
  - risk of political instability


One day the
poor will have
nothing left
to eat
but the rich.

The equity imperative: social and economic cost

- social justice
  - 62 richest people on Planet Earth = 3.5 billion people in lowest income groups
  - risk of political instability
- loss of talent
  - Roma children
  - Loss in productivity and taxes

a genius in all of us?

a tale of two chemistry Nobel prize winners (almost…)

Lord Rutherford

Sir Chris Langan

Lord Rutherford

Chris Langan, the most intelligent man in the US

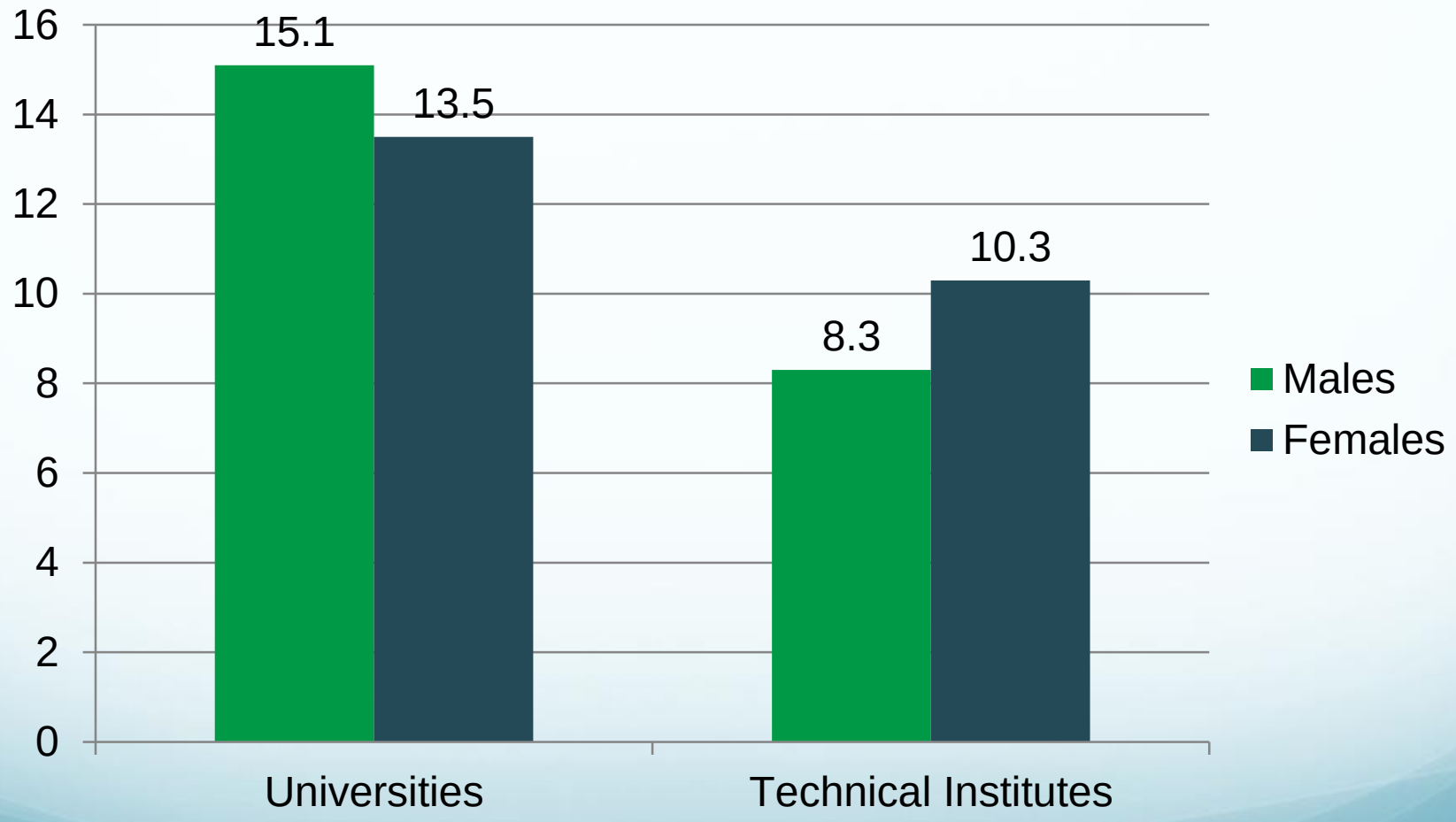
Premise

- equity = providing equal opportunities for access and success in tertiary education
- circumstances beyond an individual's control should not influence a person's chances

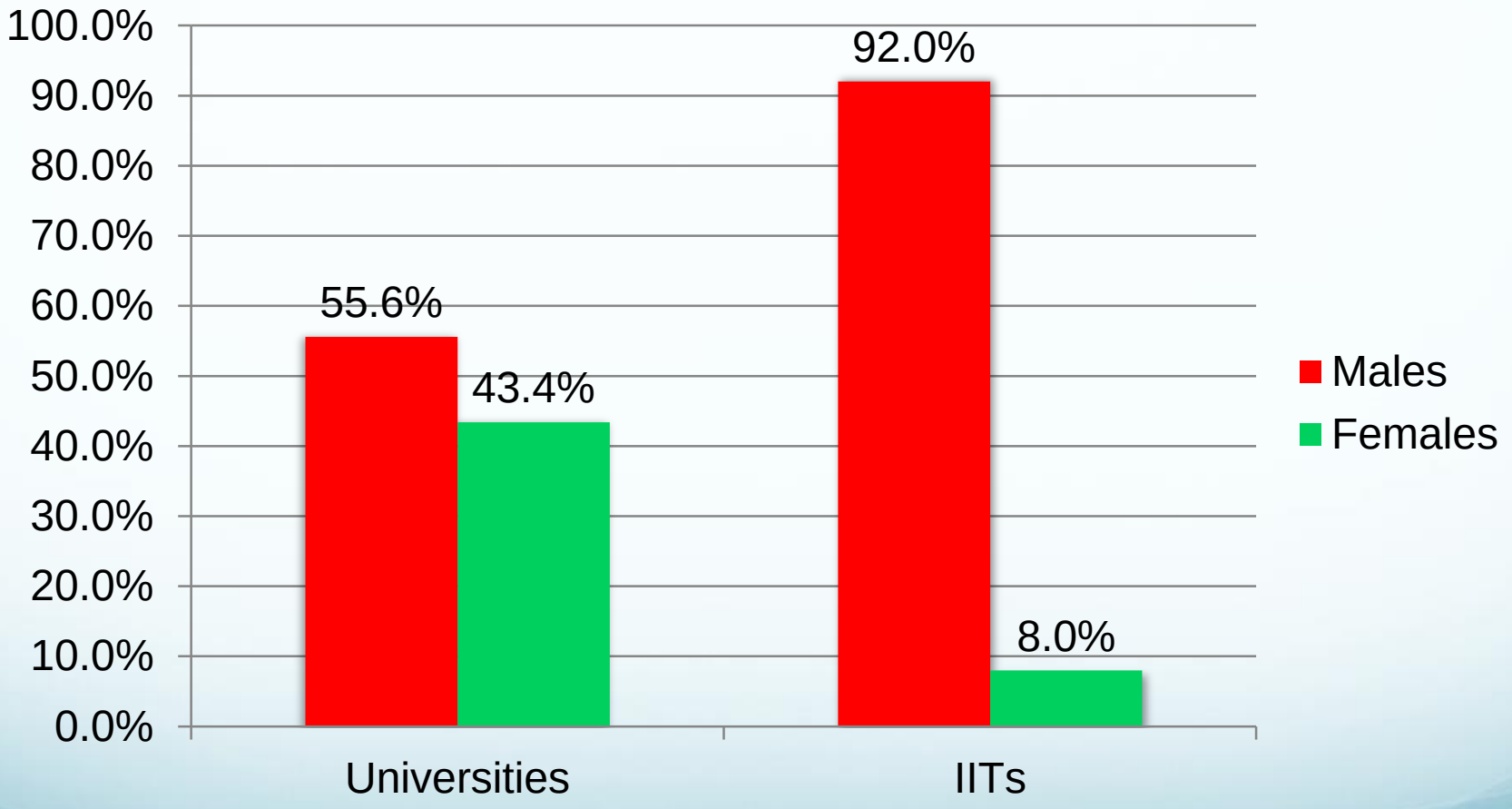
Equity groups

- low-income groups
- females
  - non-university institutions

Gender distribution in Peru



Gender distribution in India



Equity groups

- low-income groups
- females
  - non-university institutions
  - disciplines (agriculture, medicine, business, science and engineering programs)
  - leadership positions

Proportion of Female University Rectors

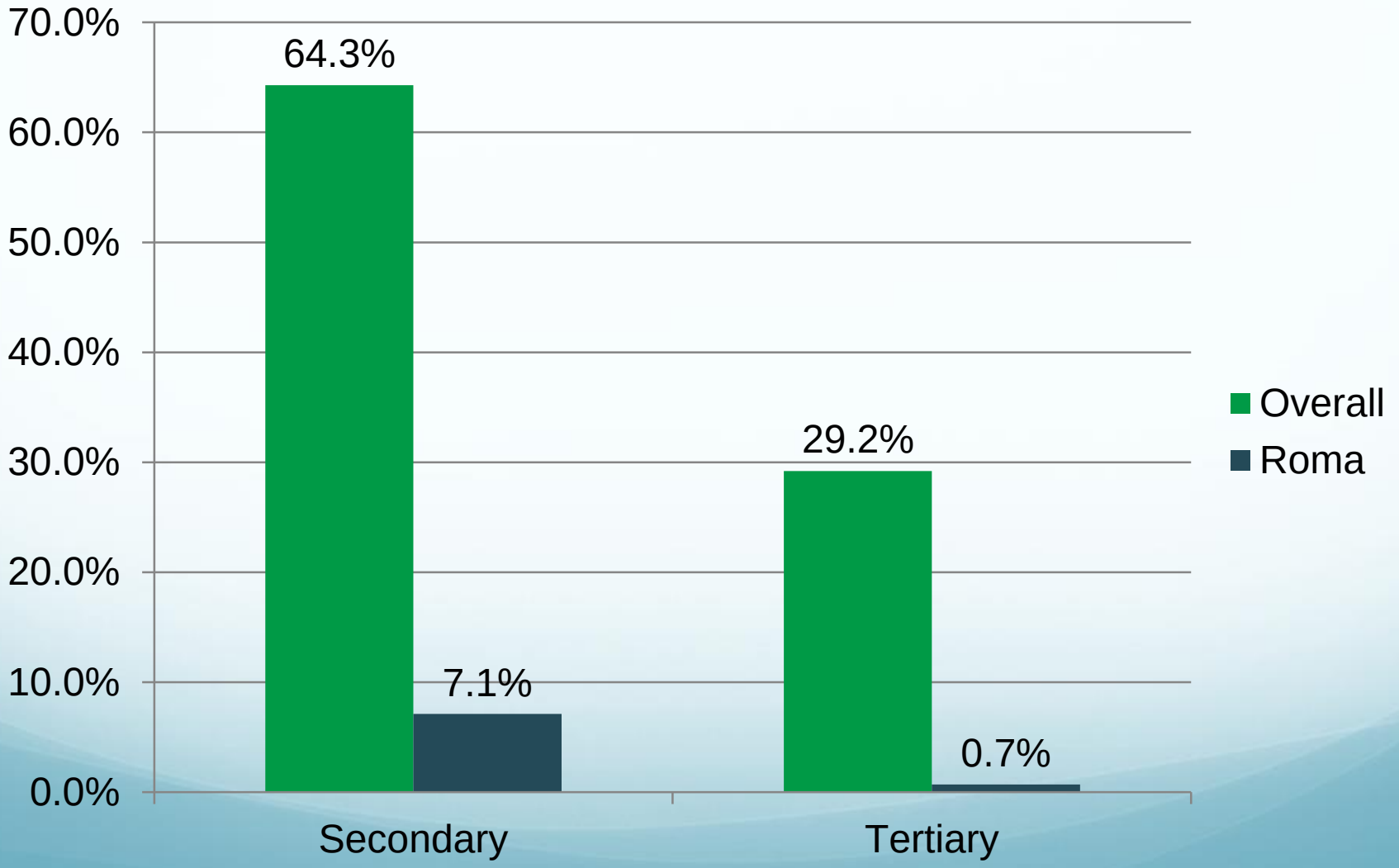
Countries	2008	2013
Austria	5.9%	17.4%
Belgium	0%	9.1%
Bulgaria	7.1%	18.1%
Czech Republic	0%	5.0%
Denmark	n.a.	n.a.
Finland	11.8%	30.8%
France	8.5%	10.7%
Germany	5.1%	13.3%
Italy	1.7%	6.8%
Netherlands	0%	7.1%
Norway	0%	11.1%
Romania	7.1%	10.0%
Russia	5.6%	9.1%
Spain	9.8%	10.9%
Sweden	34.0%	44.0%
Switzerland	0%	7.1%
United Kingdom	9.5%	15.5%
Europe average	5.5%	10.3%

Source: European Association of Universities

Equity groups (II)

- minorities (ethnic, language, religion, culture, age, etc.)

Romania completion rates

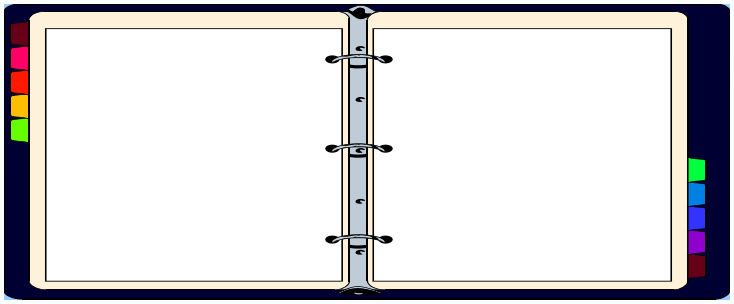


Equity groups (III)

- people with disabilities
  - in France, only 7% of universities have a system to accommodate students with disabilities


Academic Campus

Outline



- Why equity matters
- **Determinants of inequality**

Where it all starts…

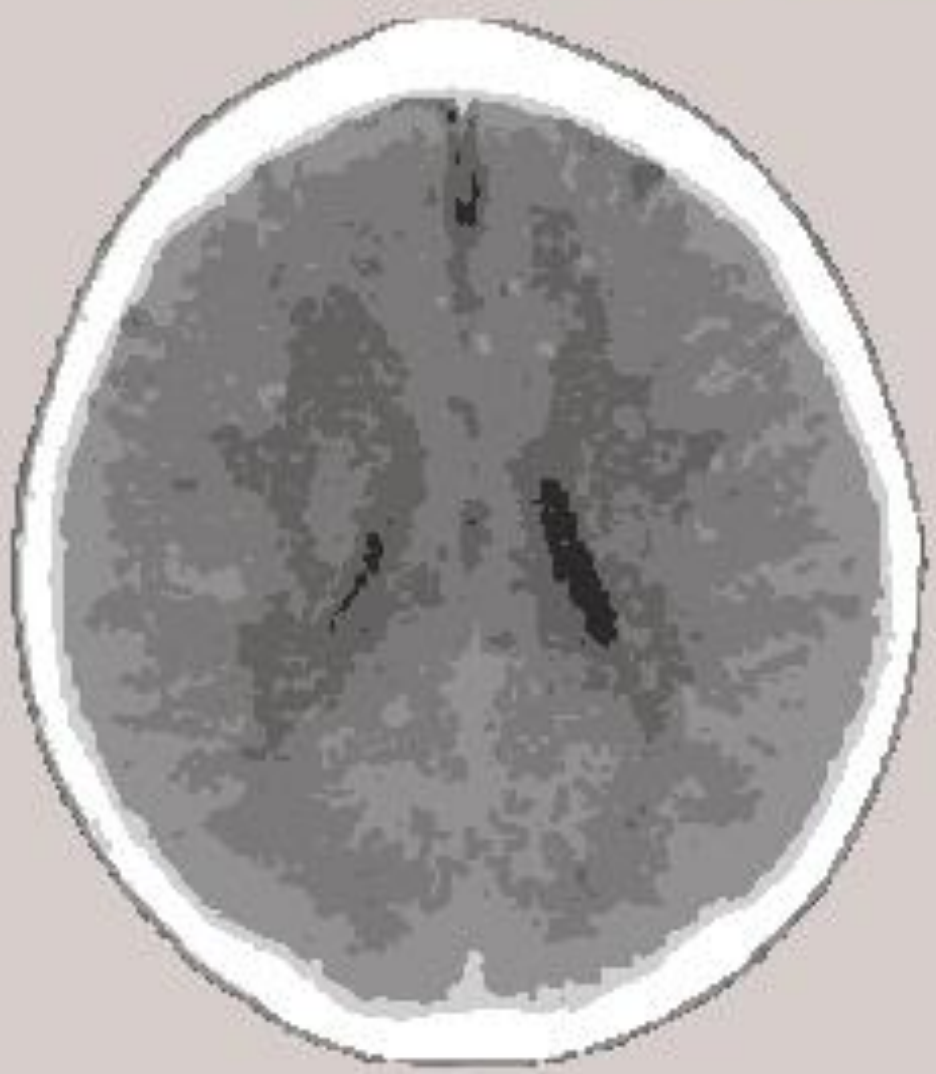
- inequality in tertiary education is, to a large extent, an extension of inequality at lower levels of education
  - reflecting structural barriers (income, ethnicity, gender, language, culture, religion, disability, caste, etc.)

Choose your parents carefully…

United States

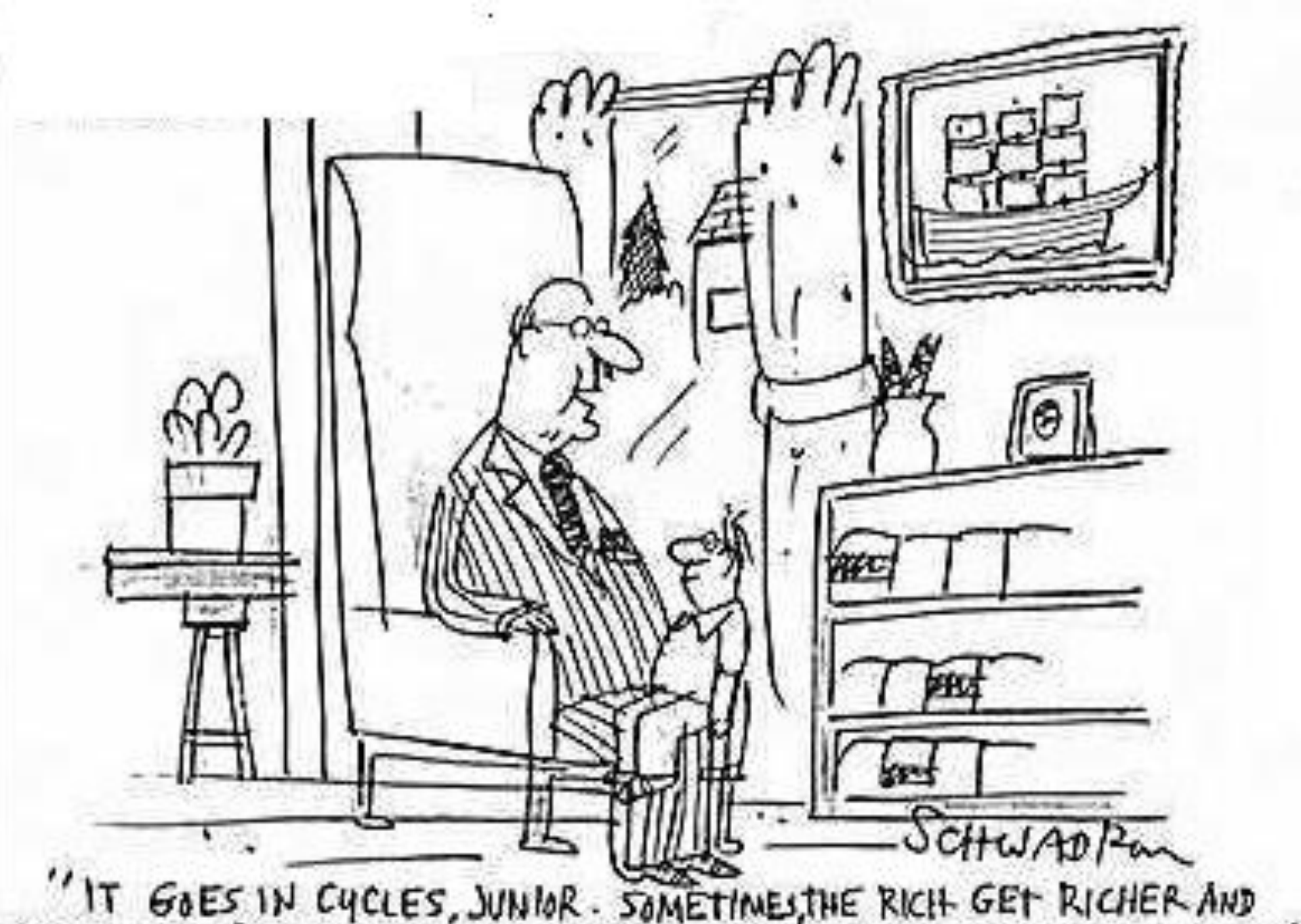
- by age 3, children from wealthy families have heard 30 million more words than those from low-income families
- by age 4, there is an 18-month academic gap between an impoverished child and his wealthier peers

3 Year Old Children



Normal

Extreme Neglect



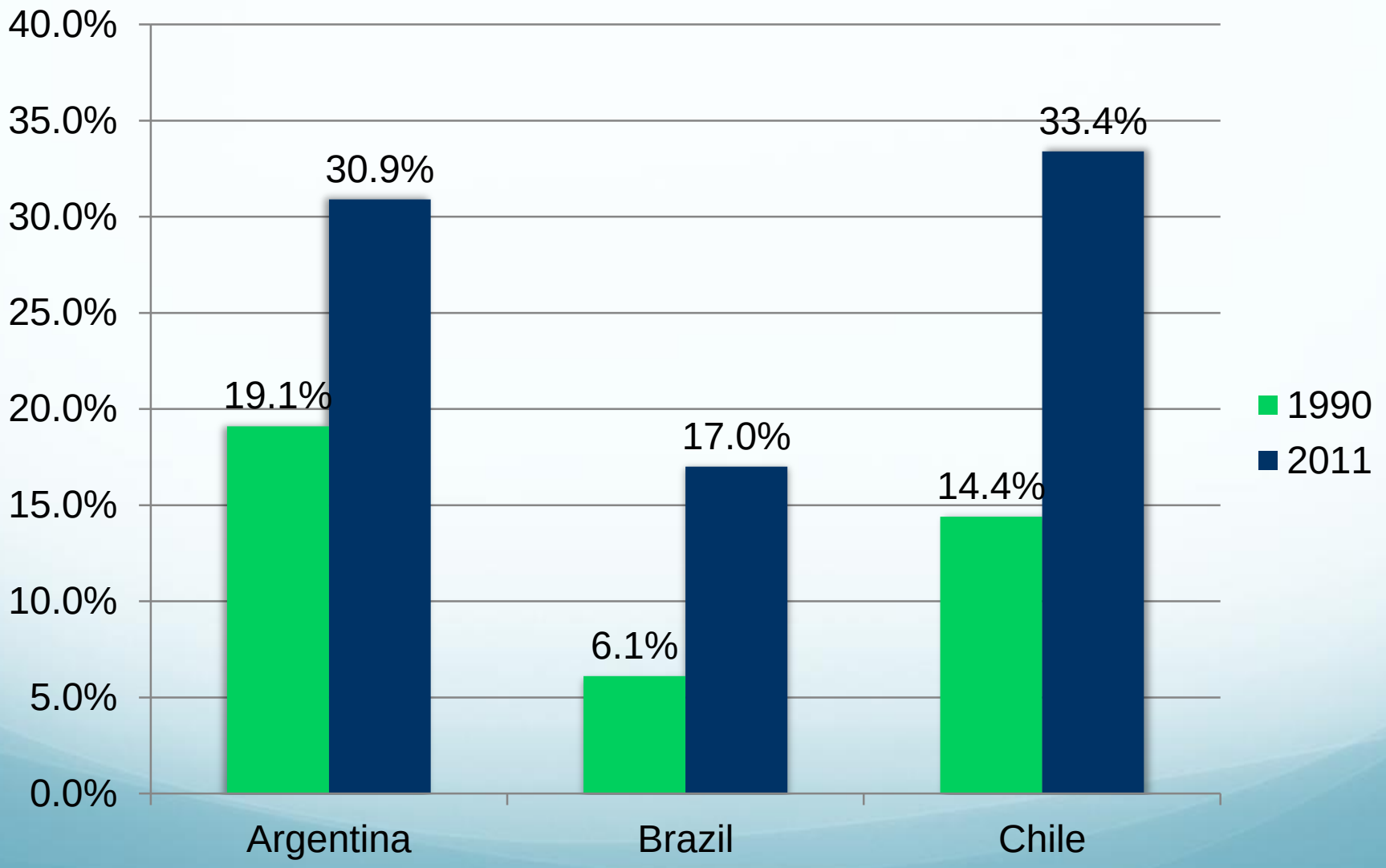
"IT GOES IN CYCLES, JUNIOR. SOMETIMES, THE RICH GET RICHER AND THE POOR GET POORER. SOMETIMES, THE RICH GET RICHER AND THE POOR STAY THE SAME."

And it gets worse…

- the main additional barriers at the tertiary level are of two kinds:
  - financial
  - non-financial


NO
SE VENDE
EDUCACIÓN

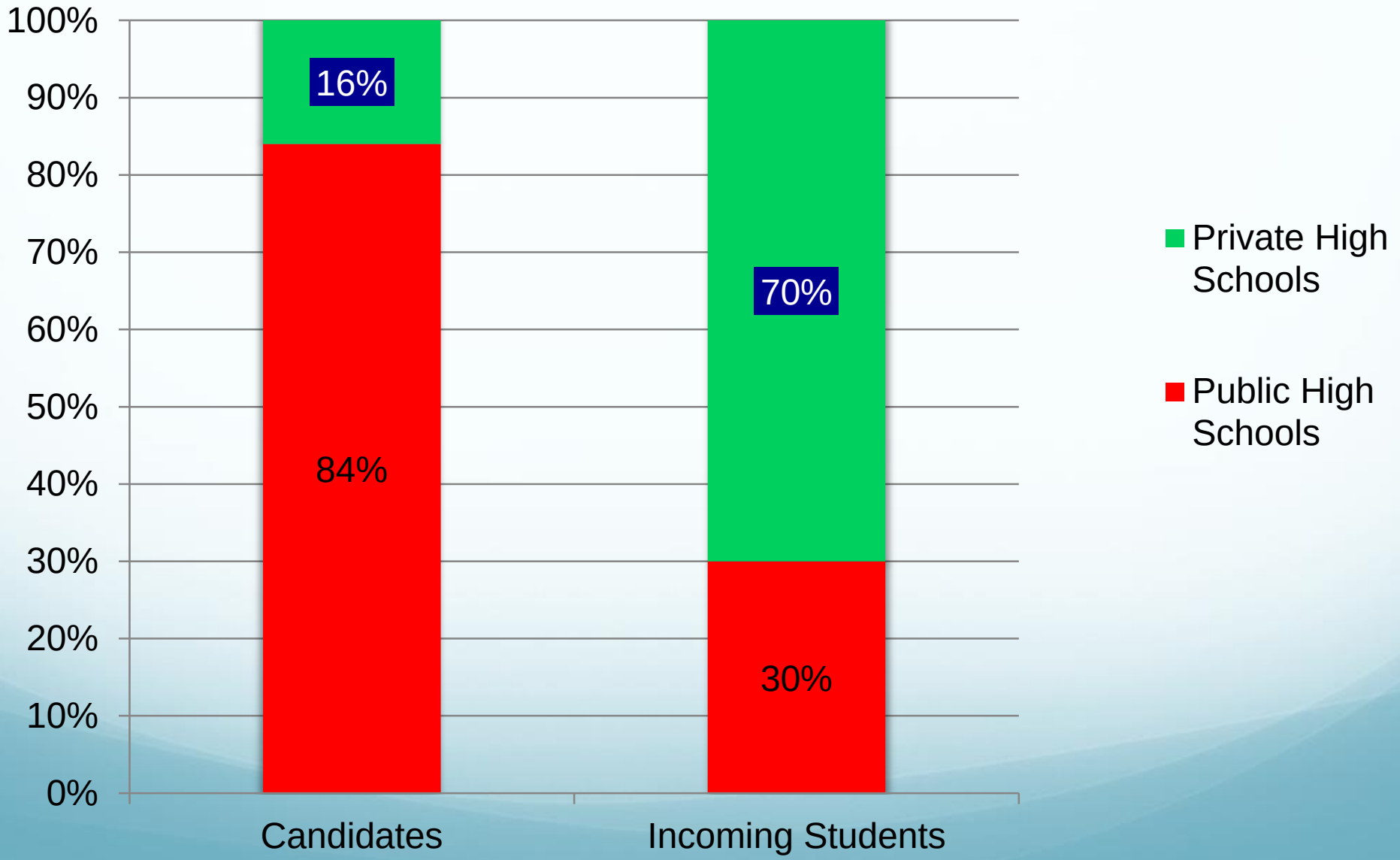
Free is Fair?


40.0%
35.0%
30.0%
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
19.1%
30.9%
6.1%
17.0%
14.4%
33.4%
Argentina
Brazil
Chile
1990
2011

Enrolment rate per quintile

Quíntiles	Argentina	Brazil	Chile
Q1	18.0%	5.0%	21.2%
Q2	25.3%	6.3%	26.4%
Q3	29.5%	11.6%	26.0%
Q4	38.2%	20.7%	37.5%
Q5	56.6%	47.0%	61.6%

U. of São Paulo



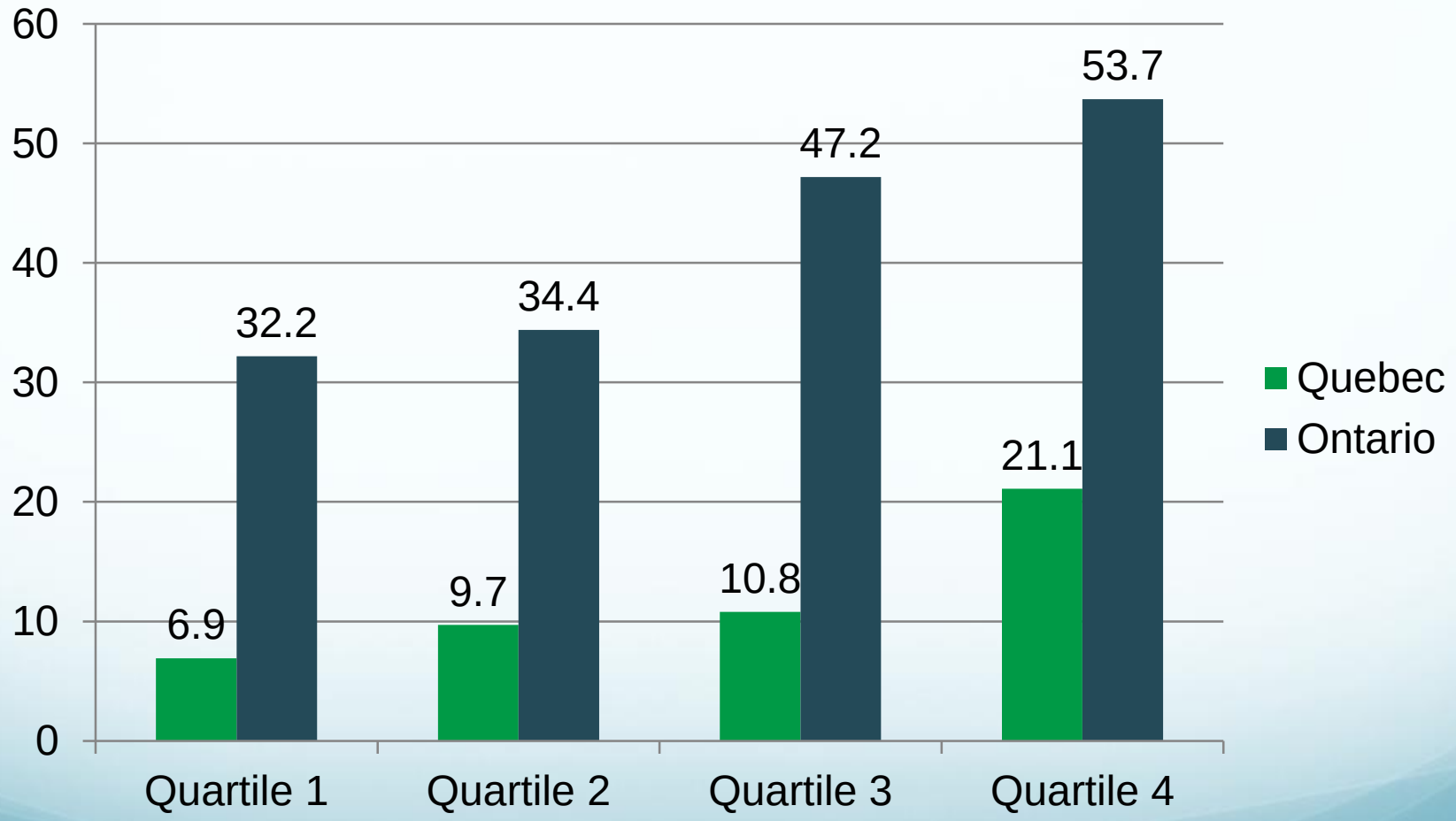
Ecuador

- 800$ per year on average
- suppressed in 2007
- inequality increases
  - poorest: from 4 to 7%
  - others: from 16 to 24%

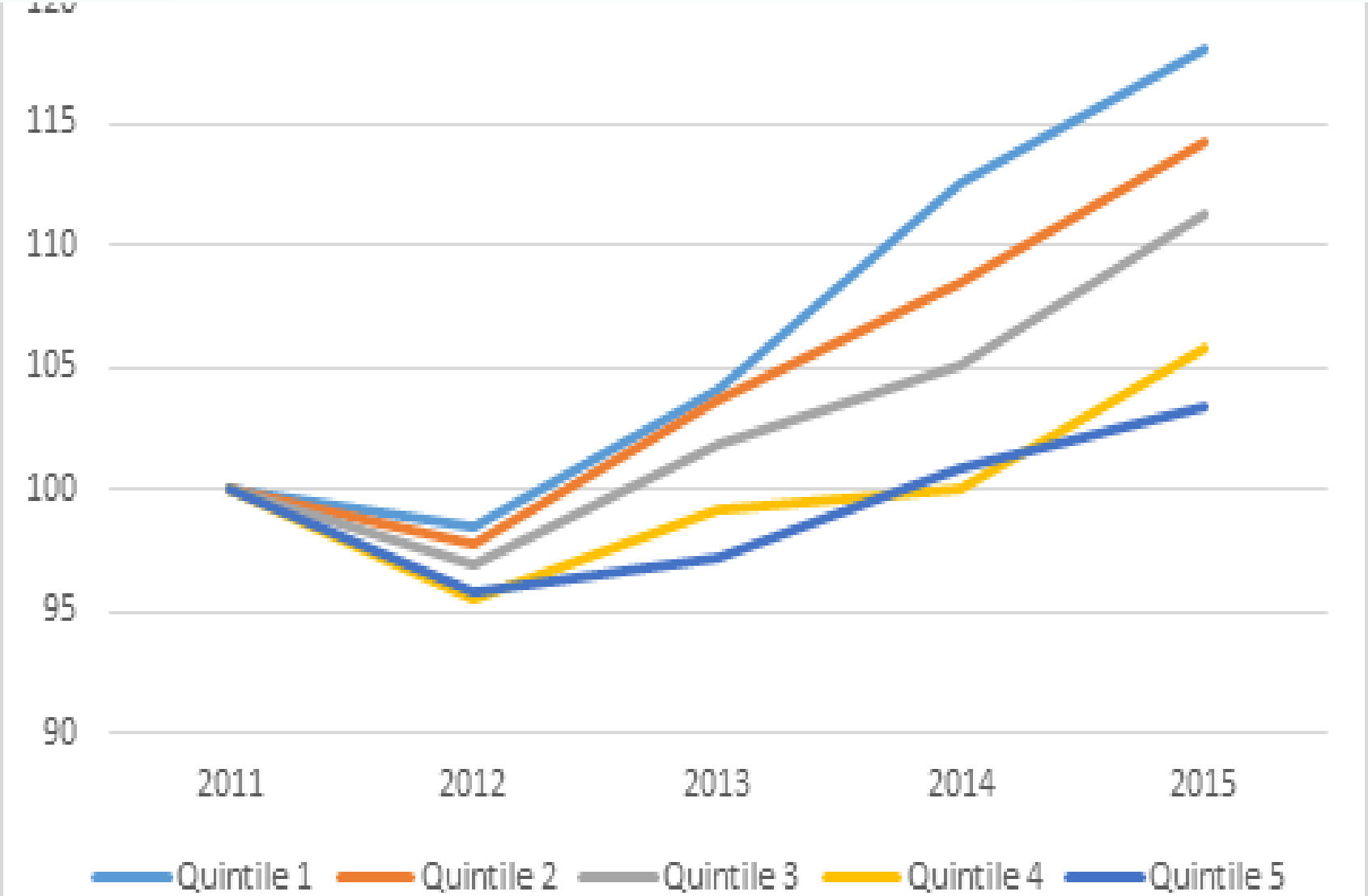
Canada

- Canada: average undergraduate tuition fees:
  - in Quebec: $1,862
  - in Ontario: $4,923

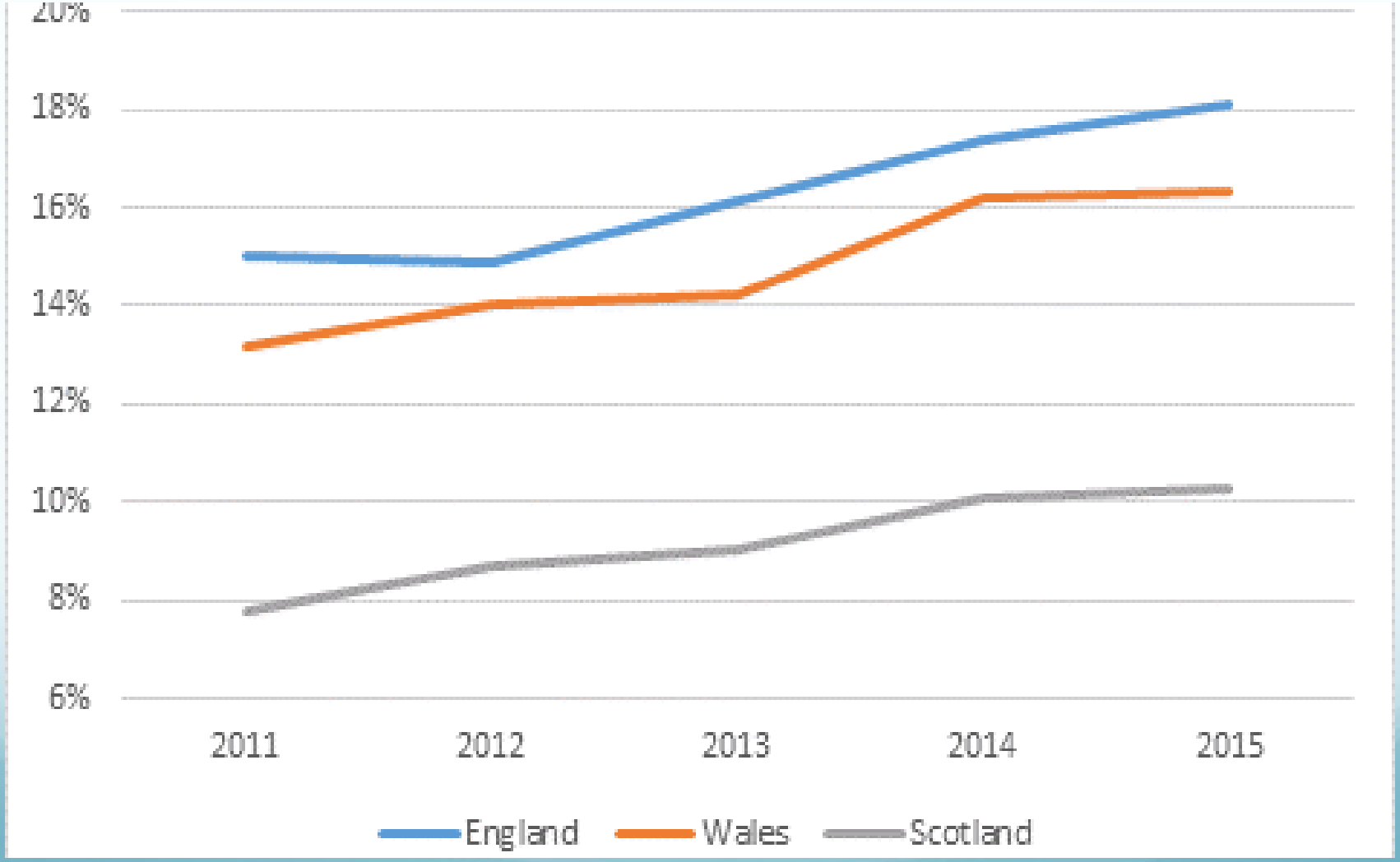
University participation at age 19



New Q1 students in England (2011-2015)



Increase in number of Q1 students (2011-2015)




0081 TAE

If in some states of the (United States) higher education institutions are also "free", that only means in fact defraying the cost of education of the upper classes from the general tax receipts.

Karl Marx and Friedrich Engels, 1875

And worse…

- non-financial barriers include inadequate information, motivation, academic preparation and social capital

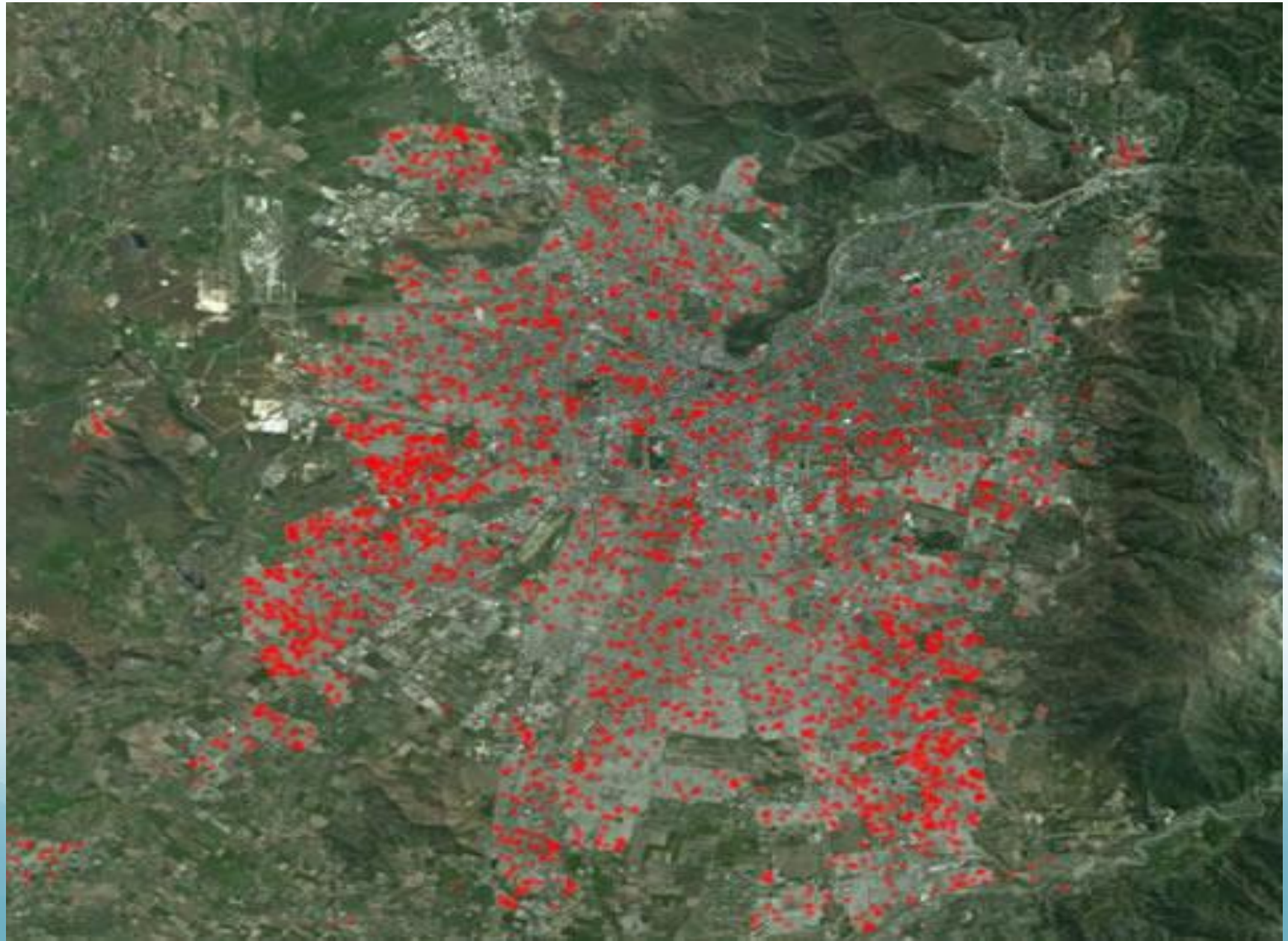
Non-financial factors

- Academic preparation

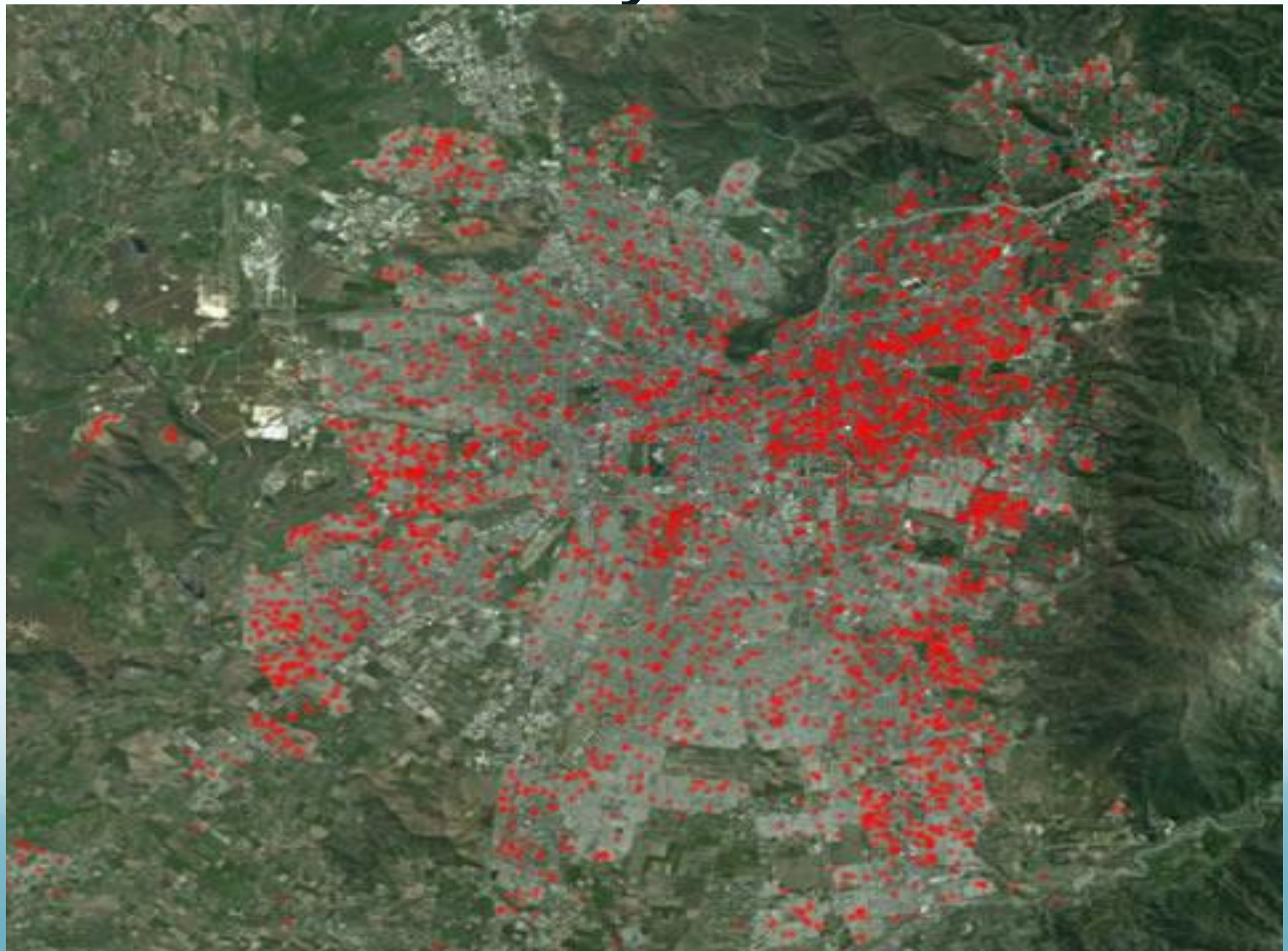
Fair is fair

- meritocratic entrance exam is the best guarantee of fair access
  - transparent, objective way of selecting students
  - elimination of corruption (former Soviet Union)

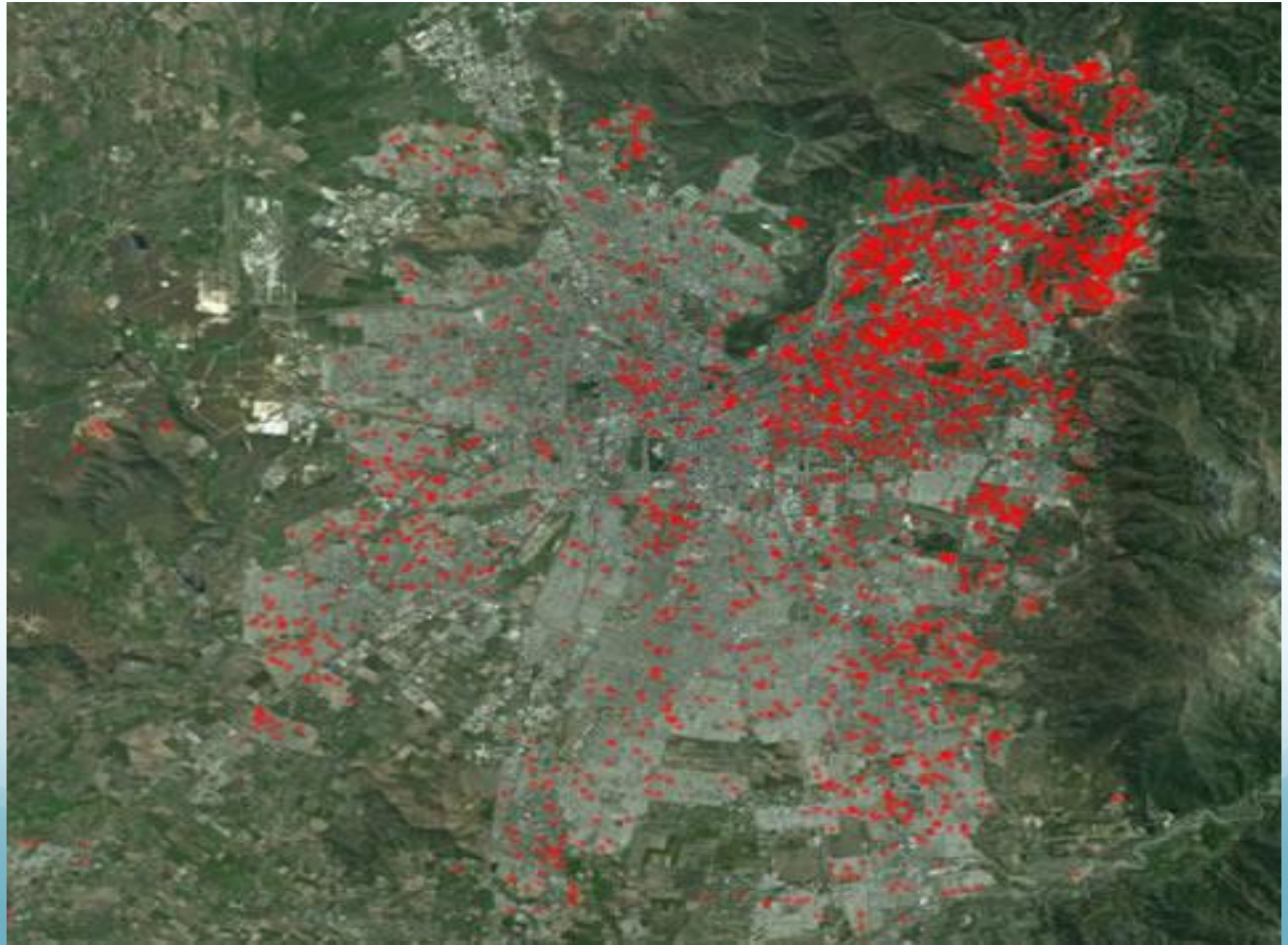
University of Santiago de Chile

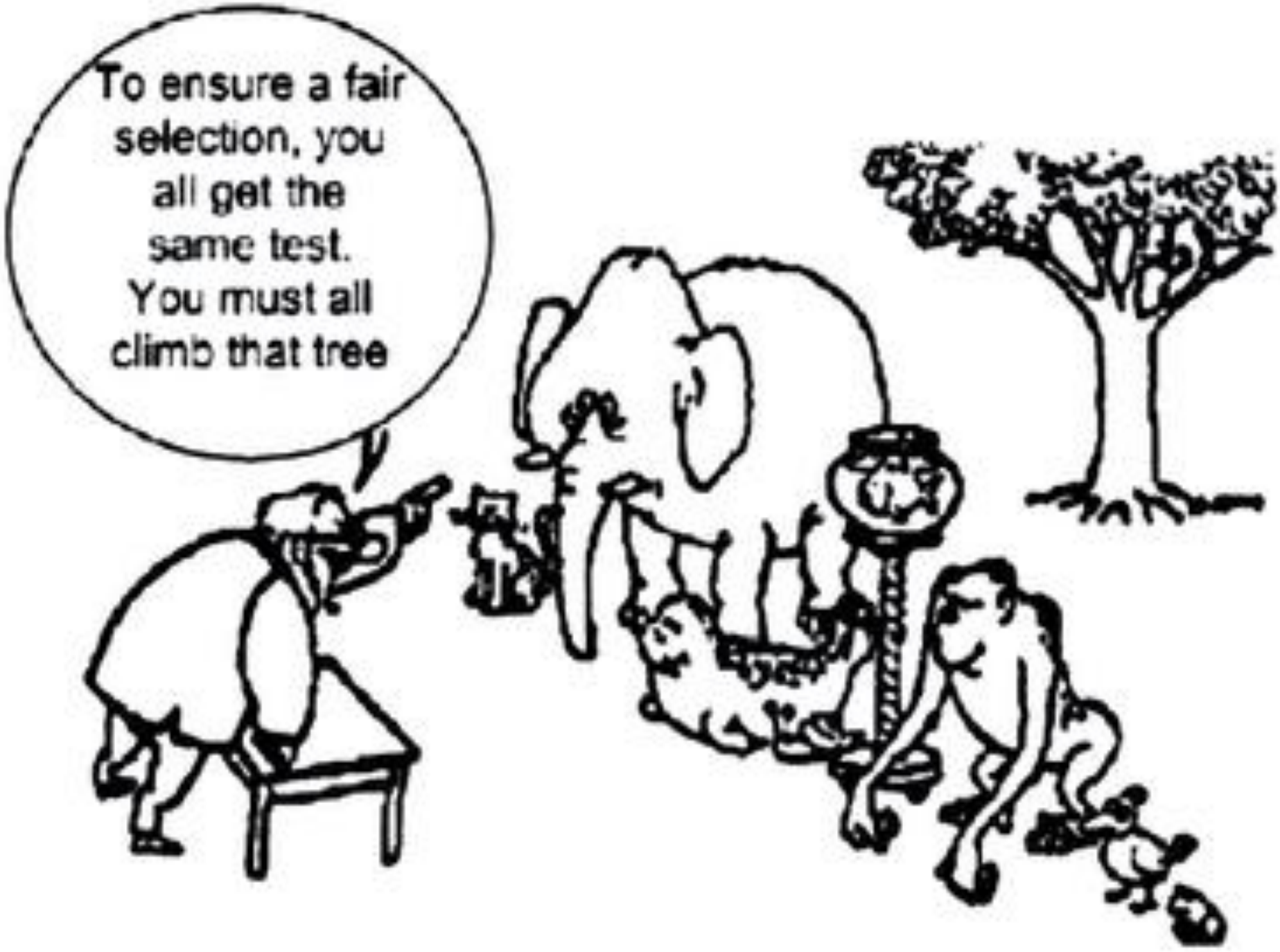


University of Chile



Catholic University of Chile

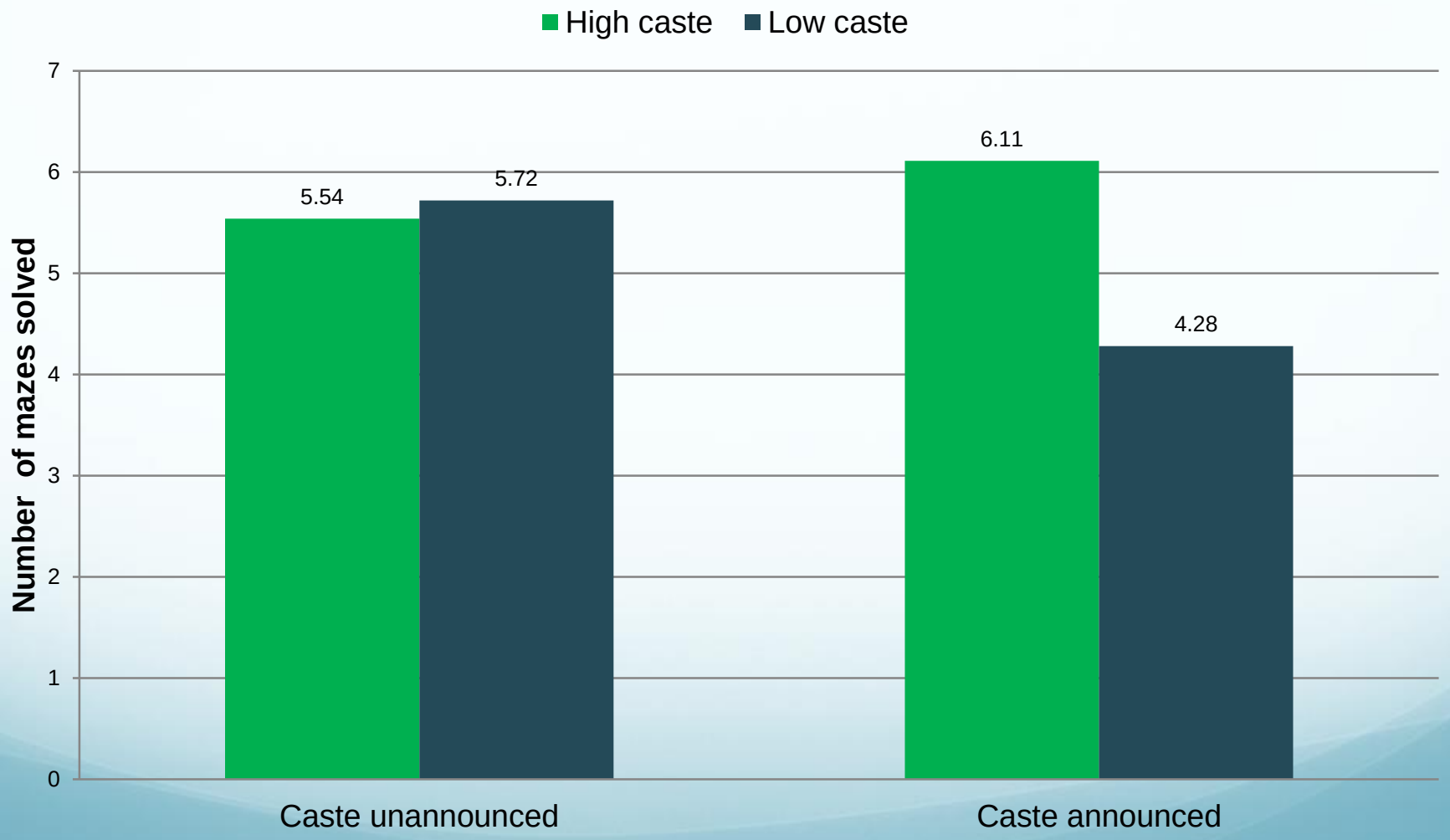



To ensure a fair selection, you all get the same test. You must all climb that tree

Non-financial factors

- Academic preparation
- Motivation

Effects of caste identity on academic performance



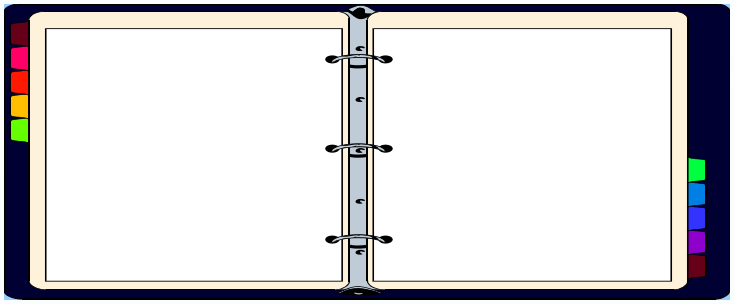
Source: K.Hoff and P.Pandey, *Belief Systems and Durable Inequalities : An experimental investigation of Indian caste. p.13.* Policy Research Working Paper.Washington , DC: World Bank, 2004.

Non-financial factors

- Academic Preparation
- Motivation
- Information


Virgin
MEGASTORE
McDonald's
VIA BANK
25
ILFORD
First
Capital
Y932ULL
NEWTON

Outline



- Why equity matters
- Determinants of inequality
- **Equity promotion policies**

National level

- Financial aid
- Non-financial interventions

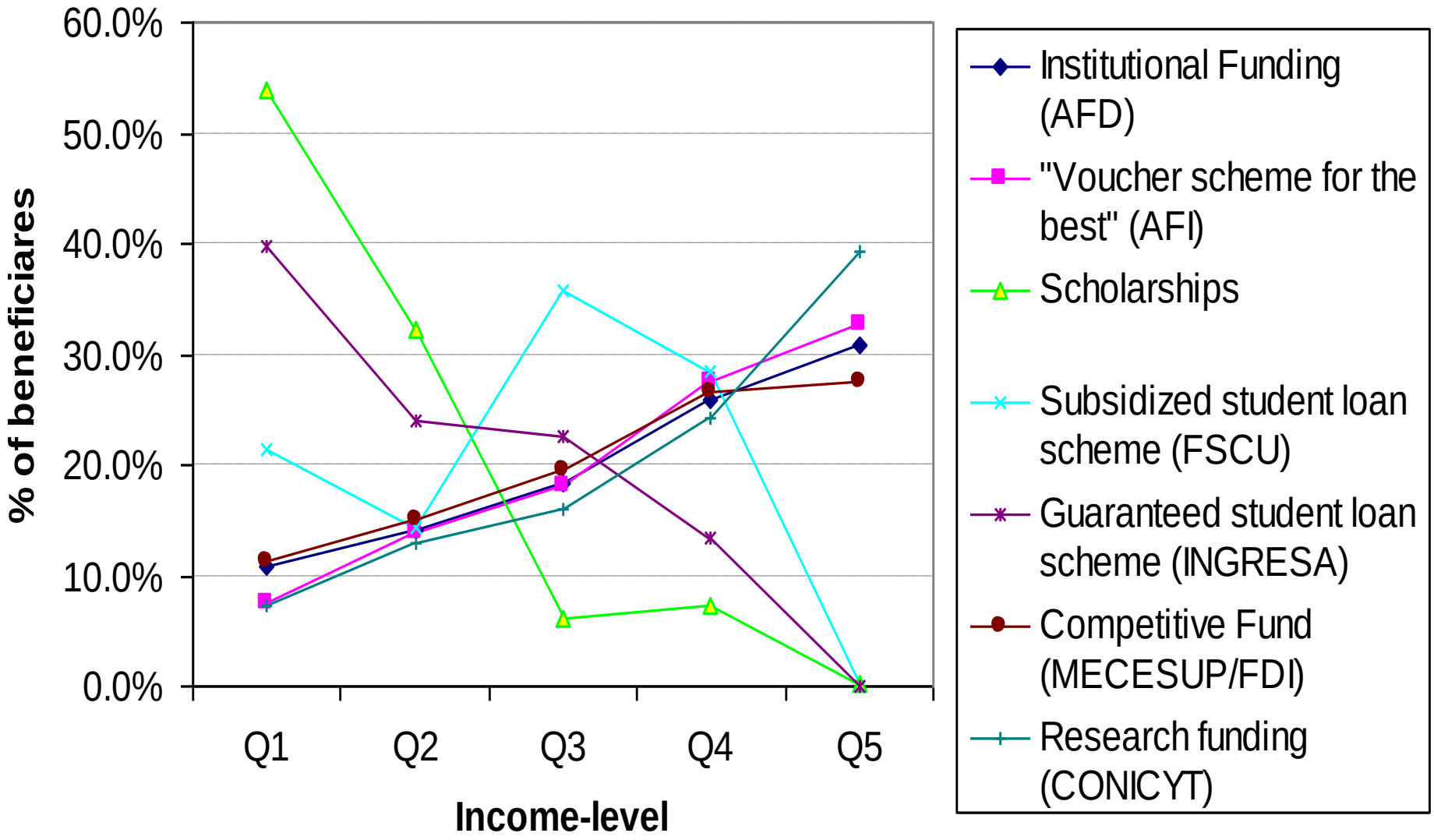
Financial measures

- Well-targeted and well-managed financial aid (scholarships and student loans) can be instrumental in reducing financial barriers to tertiary education

Financial aid

- need-based grants
  - unconditional grants, work grants, tuition discounts
- student loans
  - mortgage types, income-contingent loans
- Must be well-targeted and well-administered

Benefits Incidence Analysis of Public Investment in Higher Education



Outreach / bridge programs to secondary schools

- U of Almeria: “join us in your university” = outreach to children of immigrants in local high schools
- Victoria U’s Access and Success program


Science
You can't start young enough
Science is NOW AVAILABLE! Read full-text news, research and more at www.sciencemag.org
Science
AAAS

Affirmative action

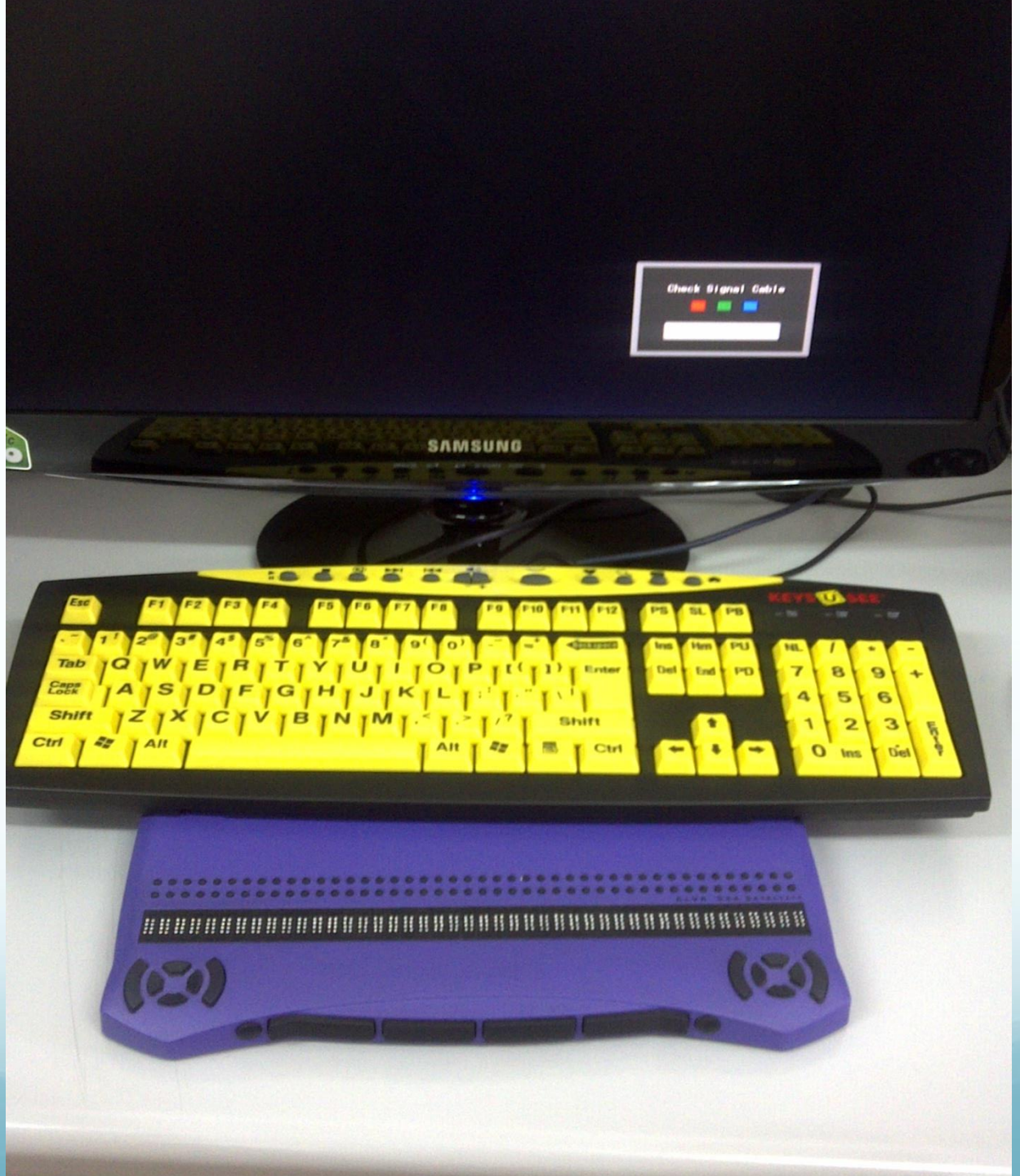
- less stringent admission criteria for minority students
  - USA, India, Brazil, France
  - Malaysia (large scale)
- works best with academic monitoring and support

Institutional level

- Financial aid
- Non-financial interventions

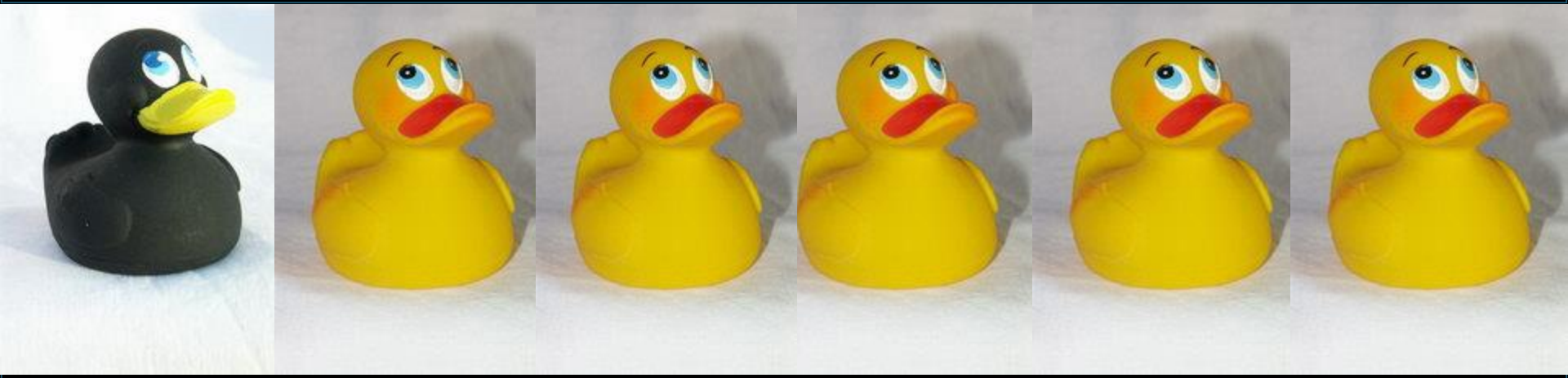
Retention programs

- University of Texas (El Paso): Collaborative Program for Academic Excellence, to increase retention of progression of minority students
- Uniminuto (first-year vice-rector)


Check Signal Cable
SAMSUNG
KEYS U SEE

conclusion

It is not wrong to be different.



It is wrong to be treated differently if you are.


Black
White
Gay
Straight
Religious
Atheist
You


Did you stay too long and get burned?
The normal time, 9 months, and you did they take you out uncooked?


Winners
Losers


EUROPEISKA UNIONEN
SVERIGE
PASS
SWEDEN


中华人民共和国签证
CHINESE VISA
C1088788
签证种类
CATEGORY
L
次数
ENTRIES
01(壹)
请于此前入境
ENTER BEFORE
03.05.20
入境后可停留
DURATION OF EACH STAY
030
天
DAYS AFTER ENTRY
签发日期
ISSUE DATE
03.02.20
签发地点
ISSUED AT
纽约
姓名
FULL NAME
D. ADAM
出生日期
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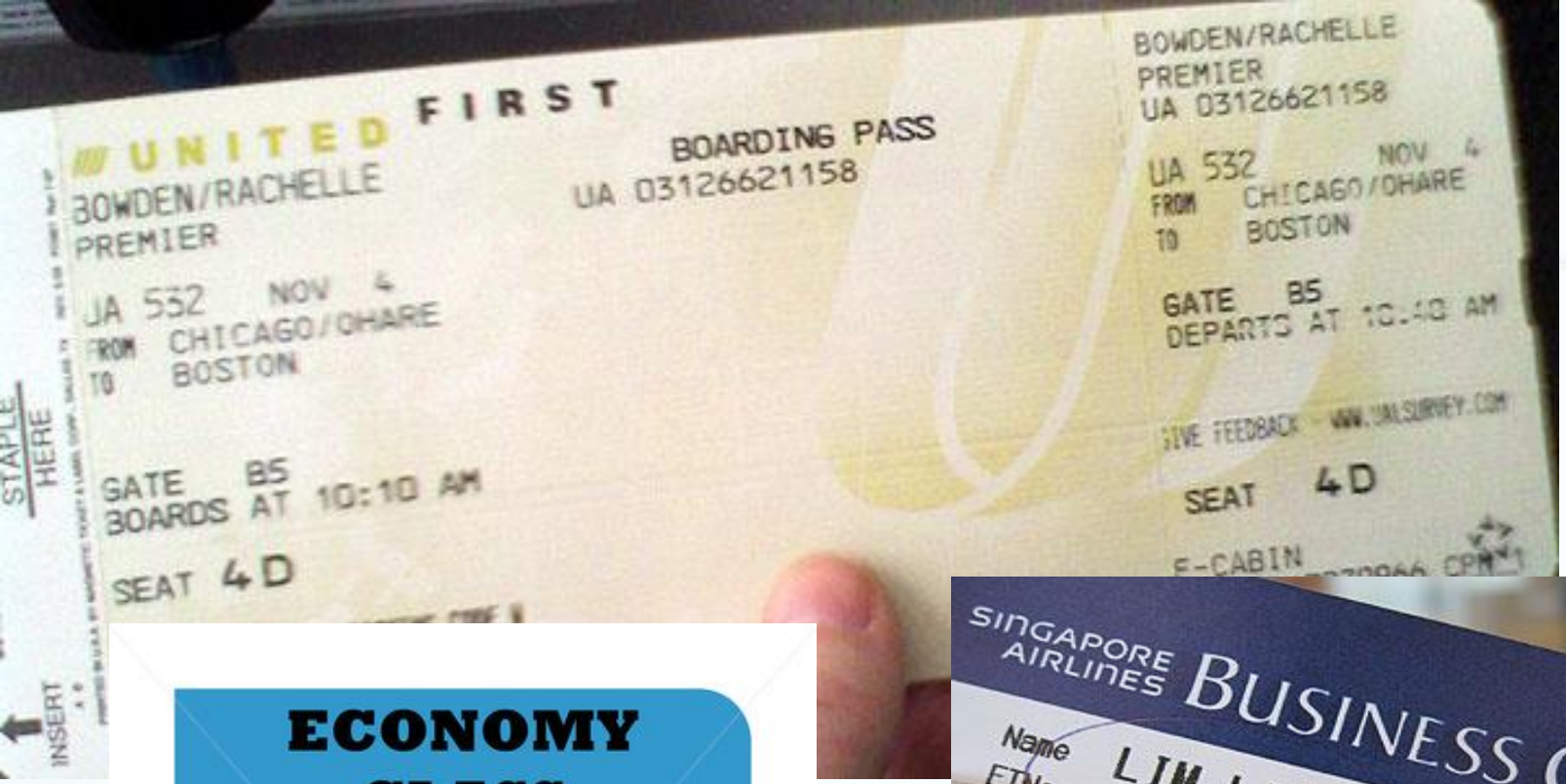
UNITED FIRST
BOARDING PASS
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BOWDEN/RACHELLE
PREMIER
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FROM CHICAGO/OHARE
TO BOSTON
GATE B5
BOARDS AT 10:10 AM
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BOWDEN/RACHELLE
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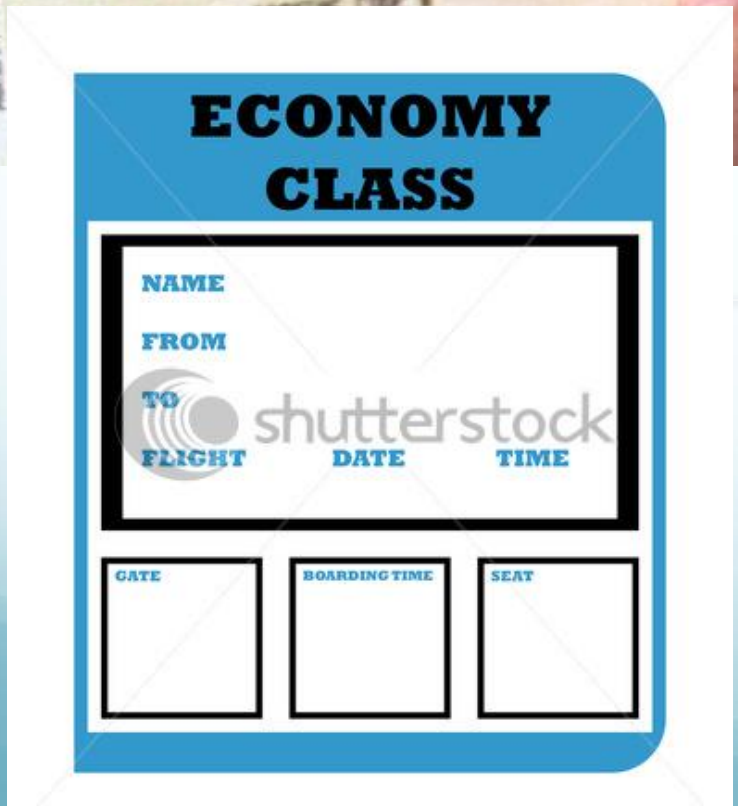
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SEAT
shutterstock


SINGAPORE AIRLINES
BUSINESS CLASS
Name
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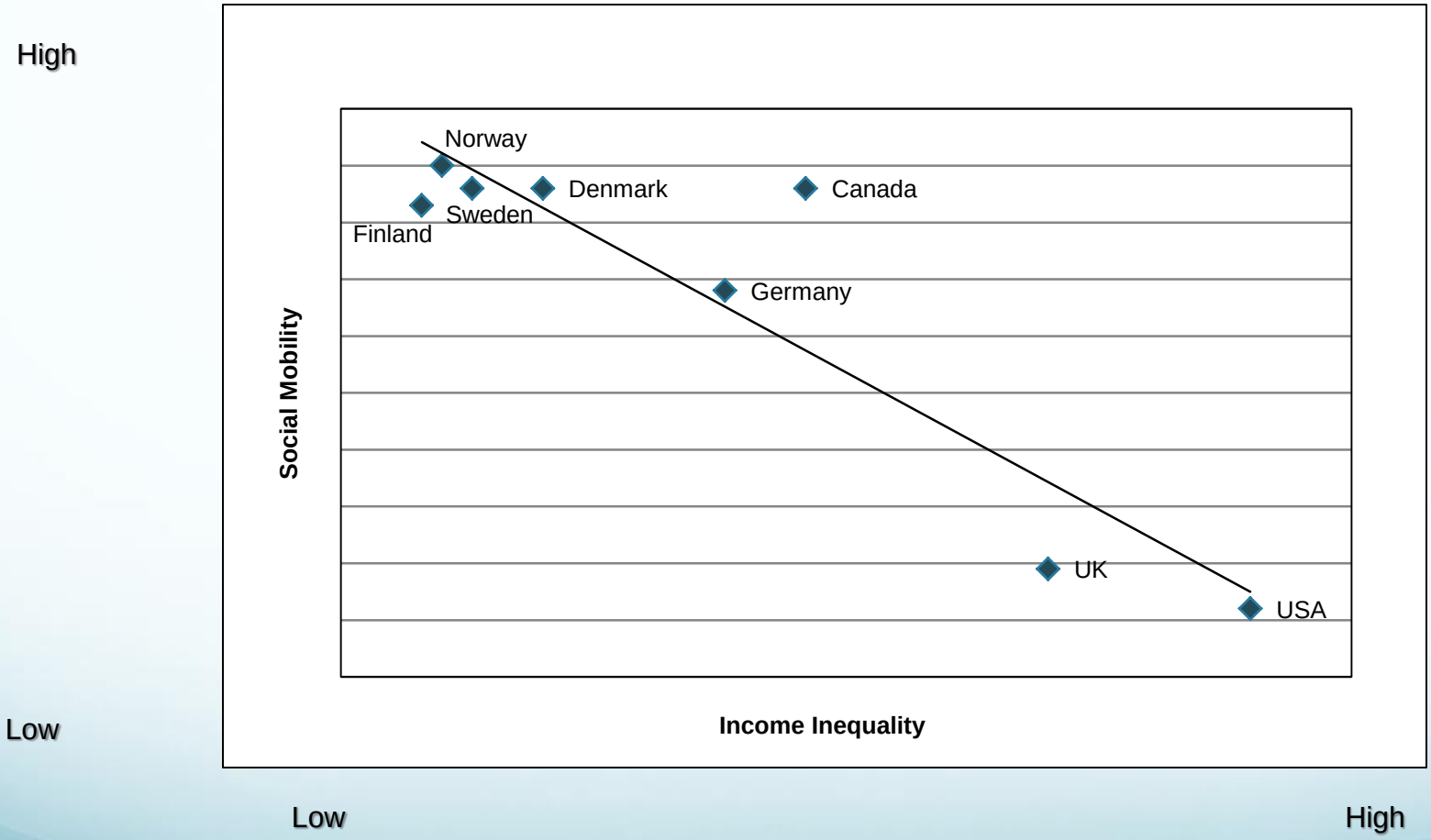
ETNo
Flight
ALVINOLOGY.WORDPRESS.COM

excellence vs. equity

- US: selectivity vs. efficacy (Penn State vs. Yale)
- US: merit scholarships
- UK: graduates from expensive private schools 55 times more likely to get into Oxford or Cambridge

social mobility and inequality



equality of opportunity

The impertinent courtesy of an invitation
offered to unwelcome guests,
in the certainty that circumstances will
prevent them from accepting.

Richard Tawney