



**[www.ipums.org/international](http://www.ipums.org/international)**

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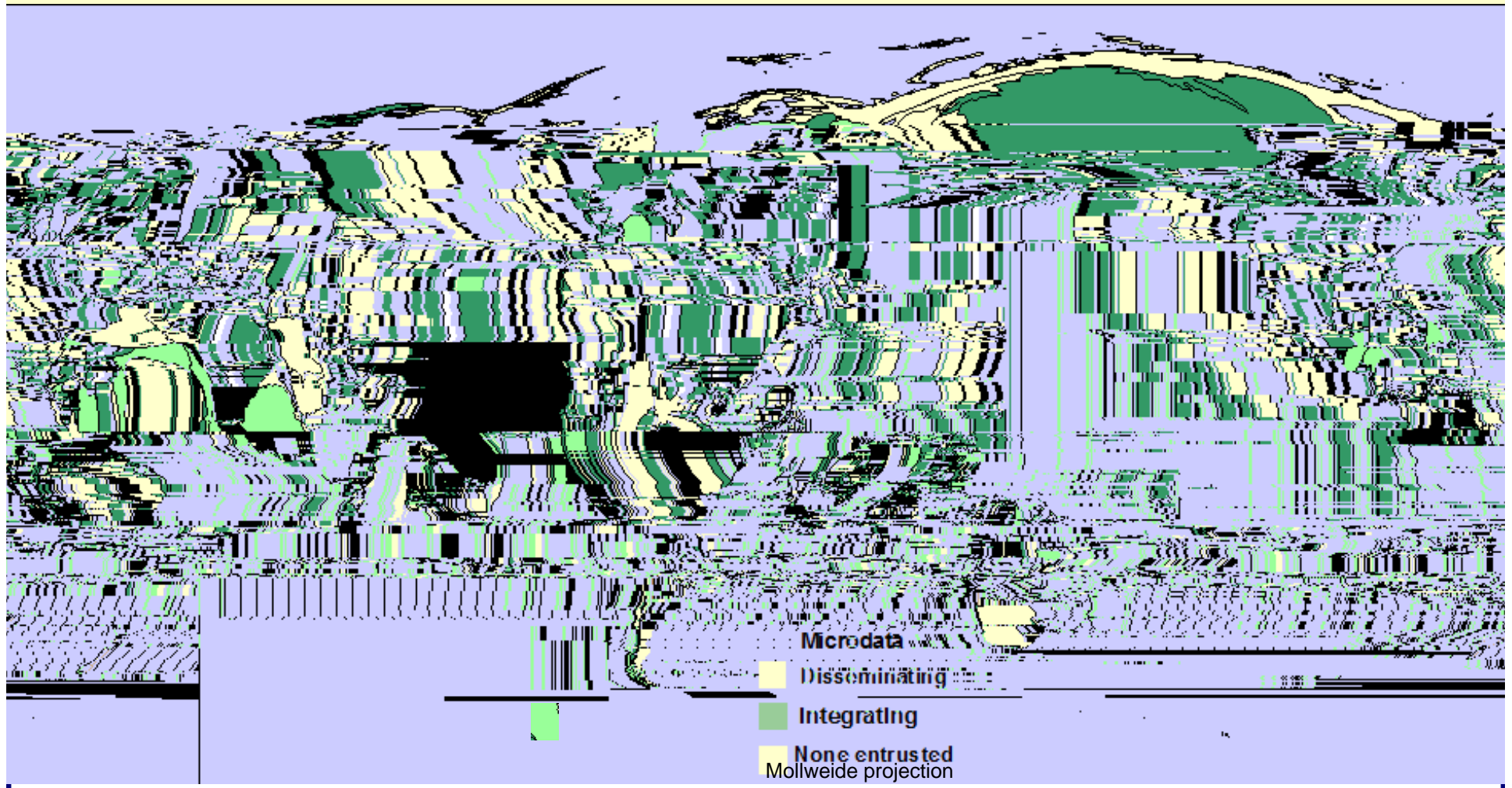
## **IPUMS-International:**

**A global collaboratory to archive, integrate, and disseminate census microdata to researchers world-wide free of cost**

**See handouts:**

- 1. Card for list of samples and usage statistics**
- 2. Pamphlet for list of participating statistical offices and tips for using integrated microdata and metadata**

**IPUMS-International: 2013 cartogram (weighted by population)**  
*dark green = anonymized, harmonized and disseminating*  
*74 countries, 238 samples, 540 million person records*  
*bright green = integrating (25 countries, 75 censuses, 100 mill.)*





## **IPUMS-International adds value to census microdata**

- 1. Conditions of access to census microdata are the same for all countries and users (registration required, free of cost).**
- 2. Statistical confidentiality and security – disclosure controls, access restricted to researchers**
- 3. Integration/harmonization – census microdata and metadata**
  - **E.g.: migration since birth, last 1/5/10 years, previous residence**
- 4. Dissemination – custom tailored extracts: country(ies), census(es), sub-populations, variables, sample density, metadata**
- 5. Share -**
  - **Microdata with national statistical office partners**
  - **Research results with other researchers, NSOs, etc.**

**Browse and Select Data: countries, years, variables  
and subpopulations (e.g., migrants)**

**Bibliography: view citations, links to publications**



# IPUMS-International shares results posted at <http://bibliography.ipums.org>

## MDC Bibliography

[new search](#) | [add your publication](#)

### Advanced Search

Enter search terms in at least one of the fields below

Keyword:

Title:

Author:

#### Limit results by (optional)

Journal:

Type:

Publication Year:  to

Restrict to topics:

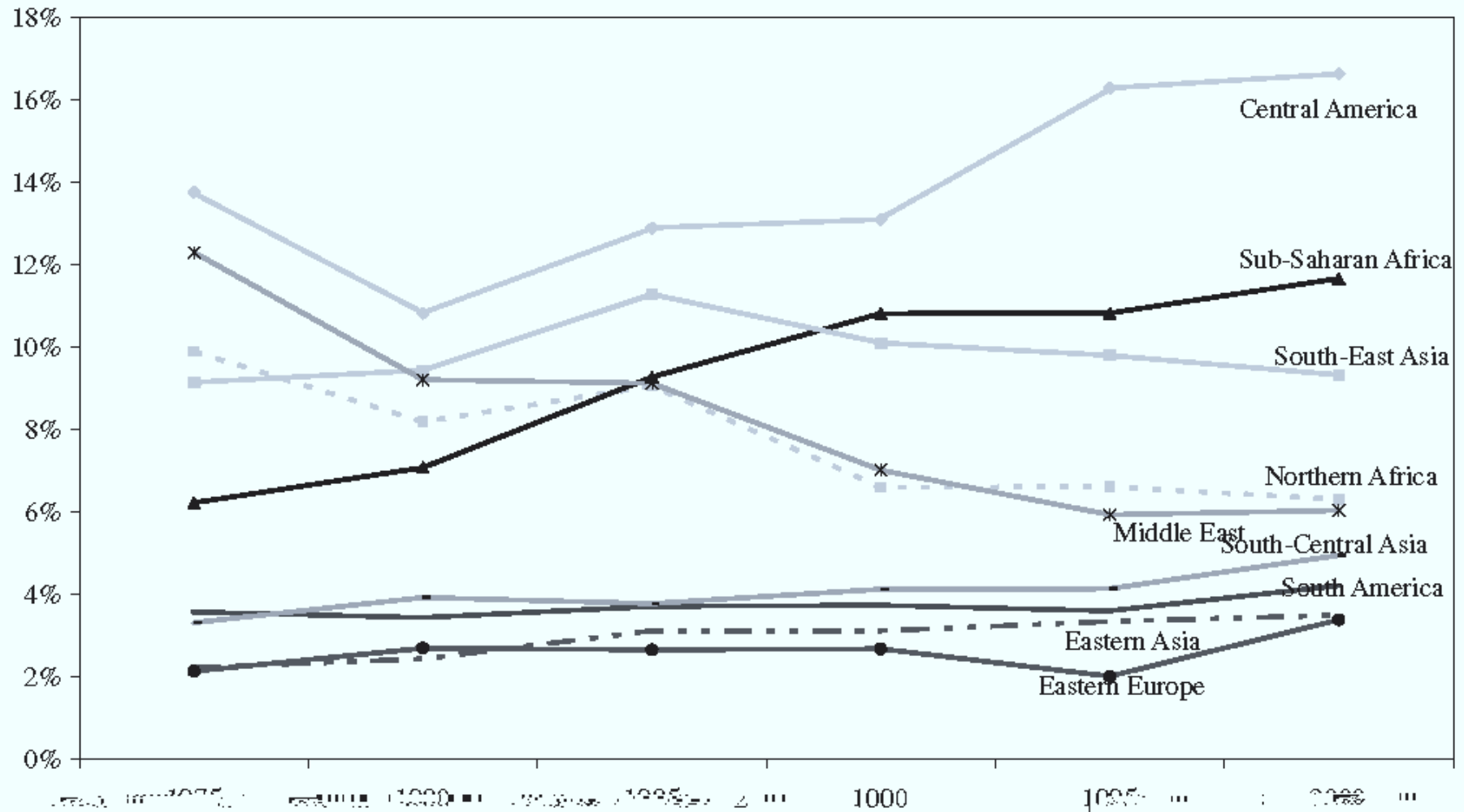
- and Marriage
- Fertility and Mortality
- Gender
- Family
- Housing and Segregation
- Labor Force and Occupational Structure
- Health
- Migration and Immigration
- Poverty and Welfare
- Methodology and Data Collection
- Other
- Race and Ethnicity

projects:

- IPUMS
- IPUMS CPS
- IPUMS International
- IPUMS USA
- IPUMS NHGIS
- ATUS

- **Internal migration 41**      **International migration 56**
- **Single country**

# Applied research example: Brain drain may lead to brain gain



g-run trends in skilled emigration rates.

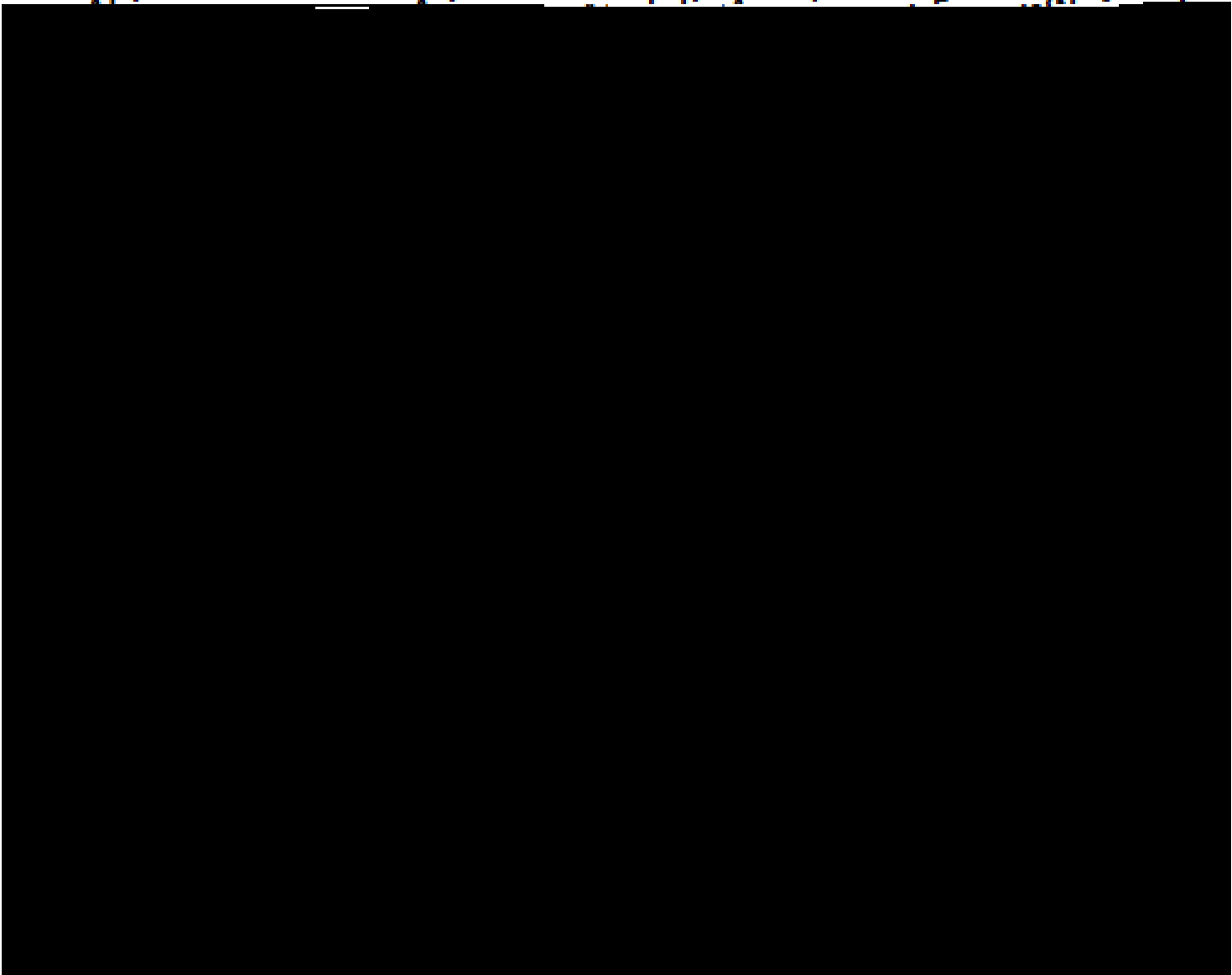
Figure 1. Lon

Docquier, Defoort and Beine. World Development, April 2011:523–532





# IPUMS Samples



# IPUMS Microdata

Relation  
to head

Marital  
status

Migration  
status

Occupation

The image shows a grid of microdata with four columns highlighted. The first two columns are outlined in blue and labeled 'Relation to head' and 'Migration status'. The last two columns are outlined in red and labeled 'Marital status' and 'Occupation'. The data is presented in a grid format with a dark background and light-colored text.

Relation to head	Marital status	Migration status	Occupation
0000980001003000410002311002208022120100083200269000001202	0000988001001002100003512102208022311230072300527000000302		

# Strengths of IPUMS Microdata

- **Microdata: individual-level analysis**
- **Persons are organized into households**  
“pointers” => age of spouse, education of mother
- **Large sample sizes (median 785,000 cases)**
- **Multiple samples for most countries**
- **Data are cleaned and documented**
- **Harmonized variables**
- **Unharmonized variables – no lost information**

# Limitations of IPUMS Samples

- **Confidentialized – limited low-level geography**
- **Samples**  
sampling error  
insufficient cases for some subpopulations
- **Comparability issues**
- **Cross-sectional – causality**

# Future Plans

- **2013: Bangladesh, Burkina Faso, Cameroon, Fiji, Haiti**
- **Improved geography**  
**Harmonization over time; boundary files**
- **Wealth index**
- **Remote access**
- **TerraPopulus – climate and environment**

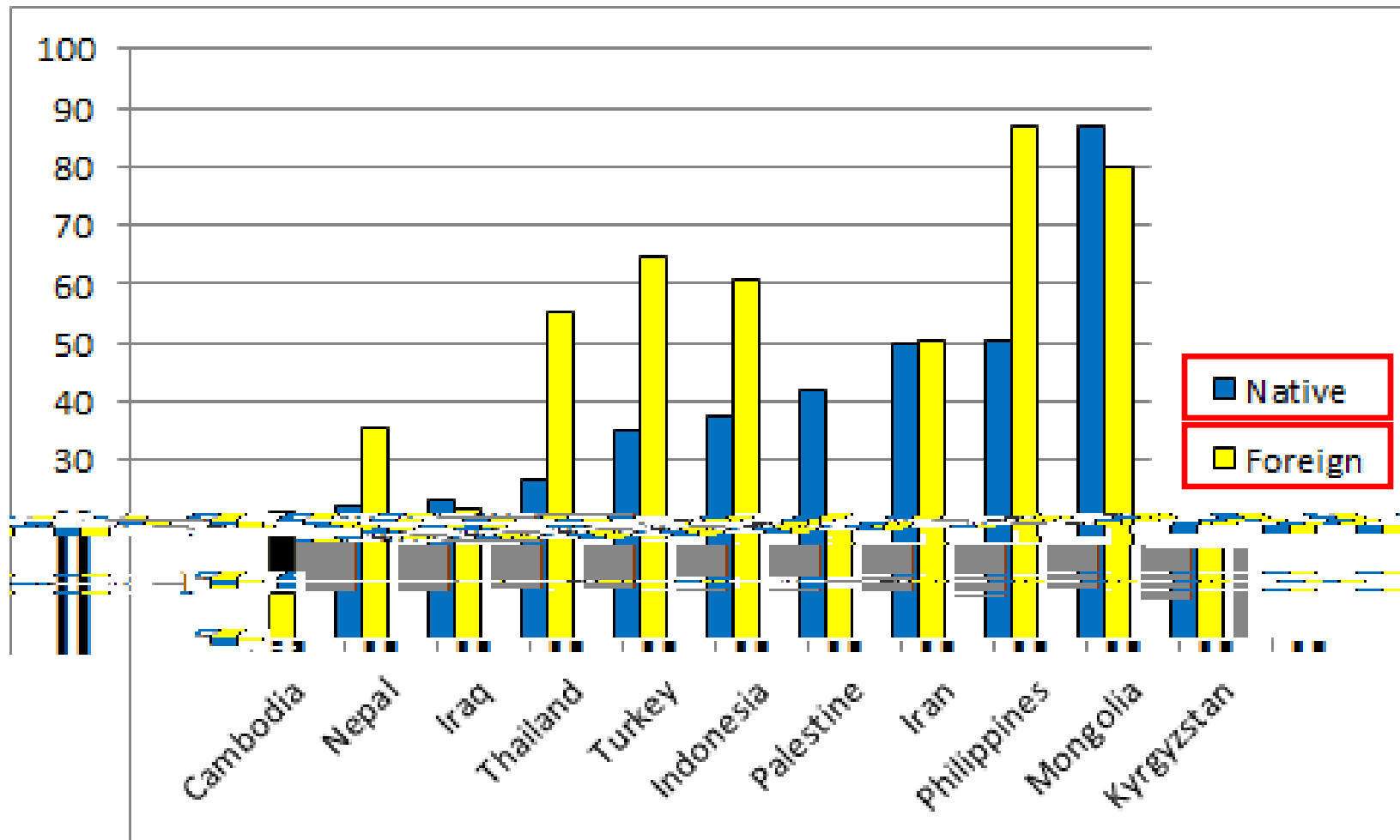
# Migration Variables in IPUMS

Variable	N of Samples
Place of residence 1/5/10 years ago	113
Place of residence 1 year ago	113
Place of residence 5 years ago	113
Place of residence 10 years ago	113
Place of residence 1 year ago	113
Place of residence 5 years ago	113
Place of residence 10 years ago	113
Place of residence 1 year ago	113
Place of residence 5 years ago	113
Place of residence 10 years ago	113
Place of residence 1 year ago	113
Place of residence 5 years ago	113
Place of residence 10 years ago	113
Place of residence 1 year ago	113
Place of residence 5 years ago	113
Place of residence 10 years ago	113
Place of residence 1 year ago	113
Place of residence 5 years ago	113
Place of residence 10 years ago	113

# Research Examples Using IPUMS

- Education
- Social impact
- Demography
- Return migration
- Measurement
  
- End show

## Secondary Education by Nativity



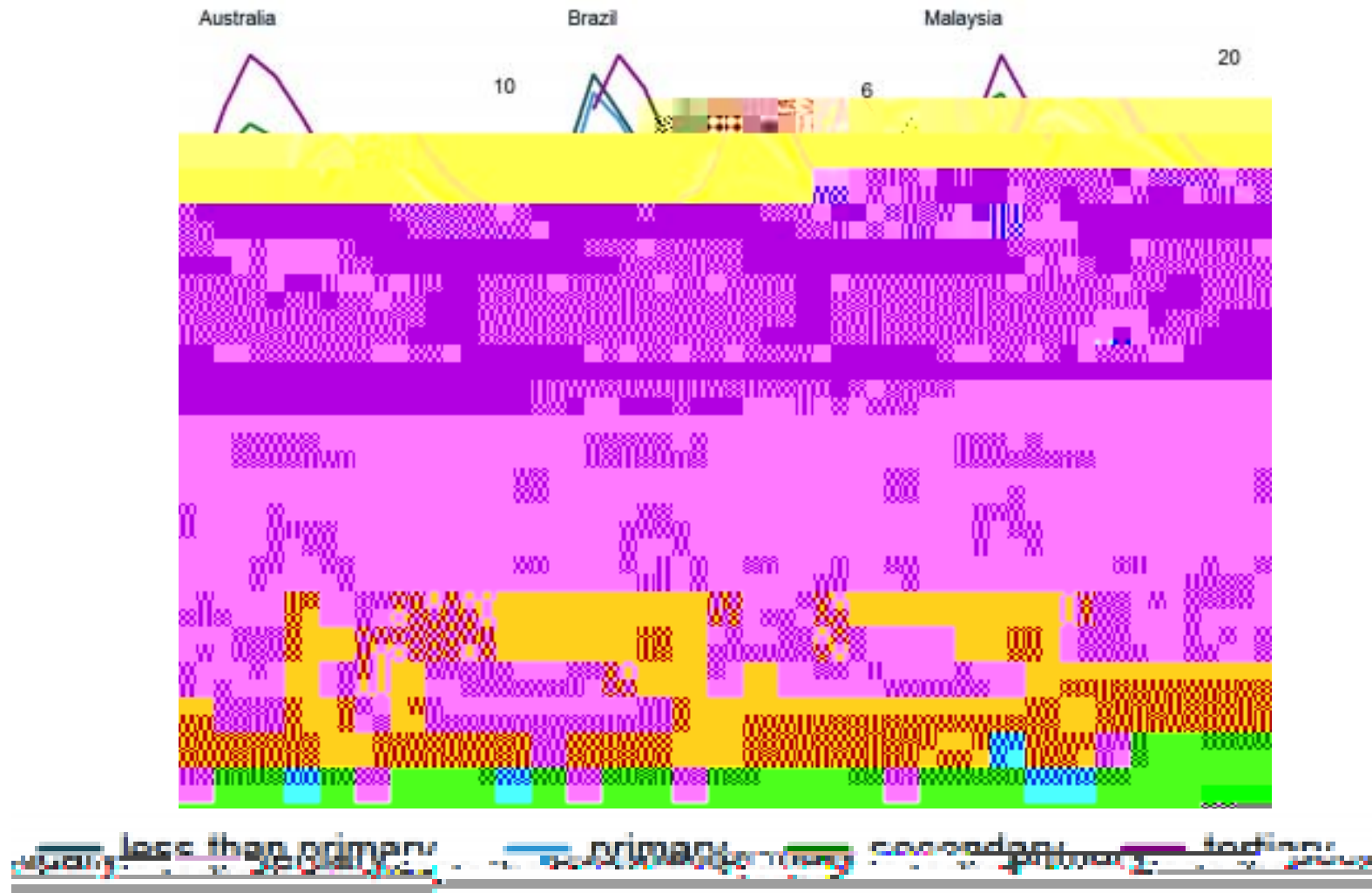
Source: IPUMS. Persons age 20 to 59. Census closest to year 2000 in each country.



# Brazilians Living Abroad: Secondary Education by Country of Residence

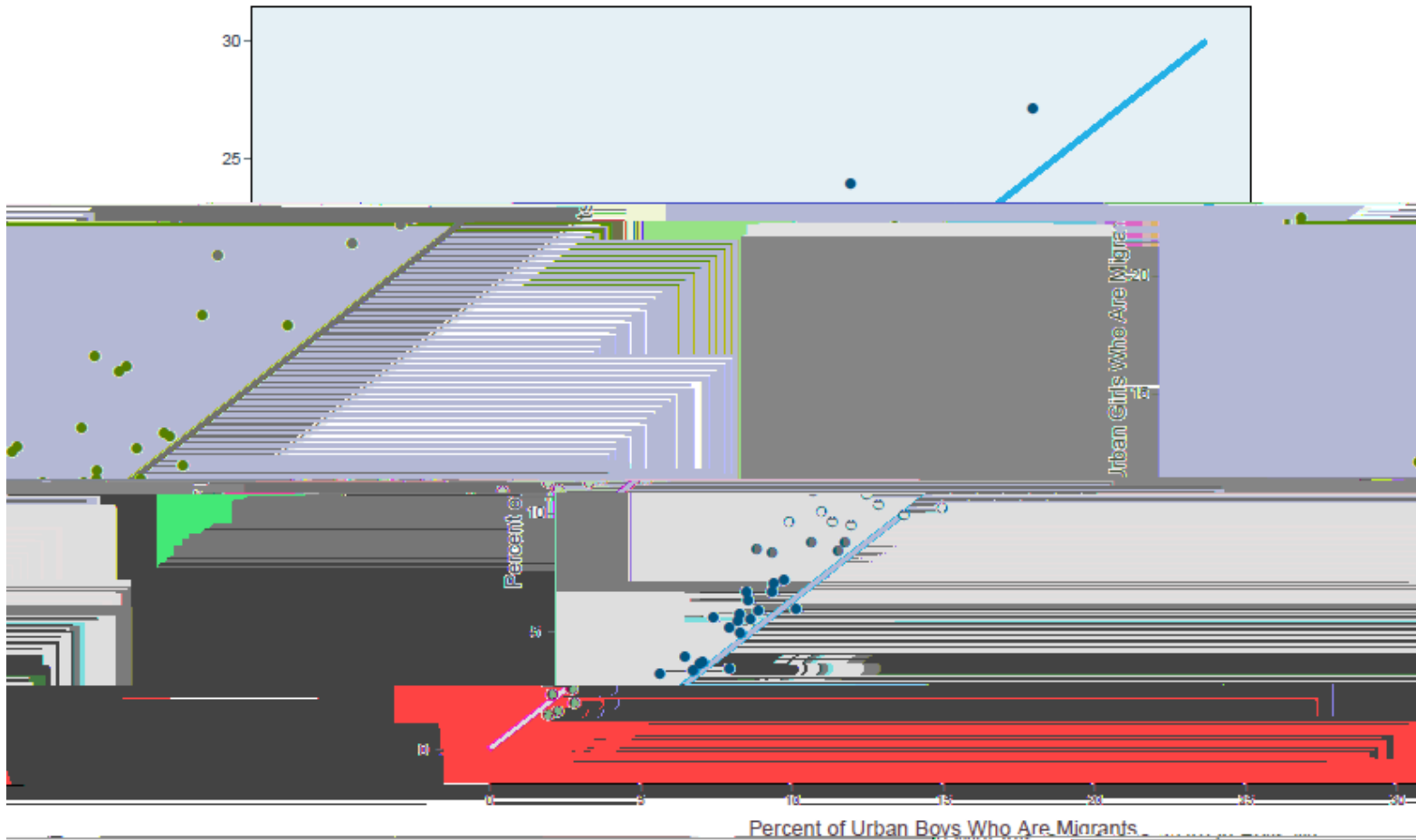
Source: IPUMS. Persons born in Brazil, age 18 and older with secondary education or more. Data are from census

# Internal Migration by Age and Education



Source: N. Sander and J. Vobecka, "A Cross-National Comparison of the Spatial Structure of Internal Migration by Level of Educational Attainment," PAA, 2012.

# Adolescent Urban Migrants by Sex



Each data point is an IPUMS sample.

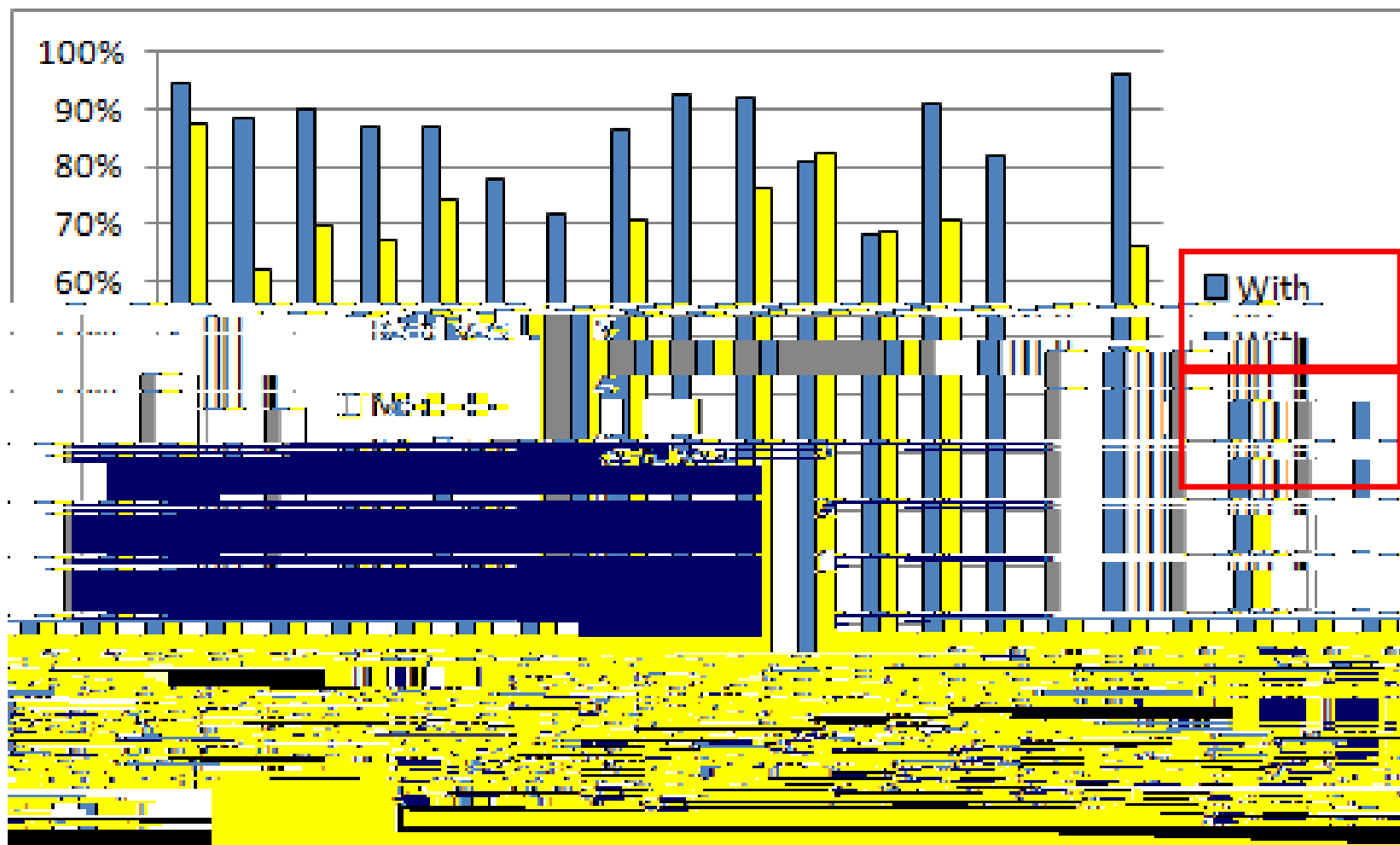
Source: Mark Montgomery et al., "Urban Migration of Adolescent Girls." PAA 2012

# Migrant Adolescent Girls Living Without Parents or Spouse

Non-migrant	Migrant
-------------	---------

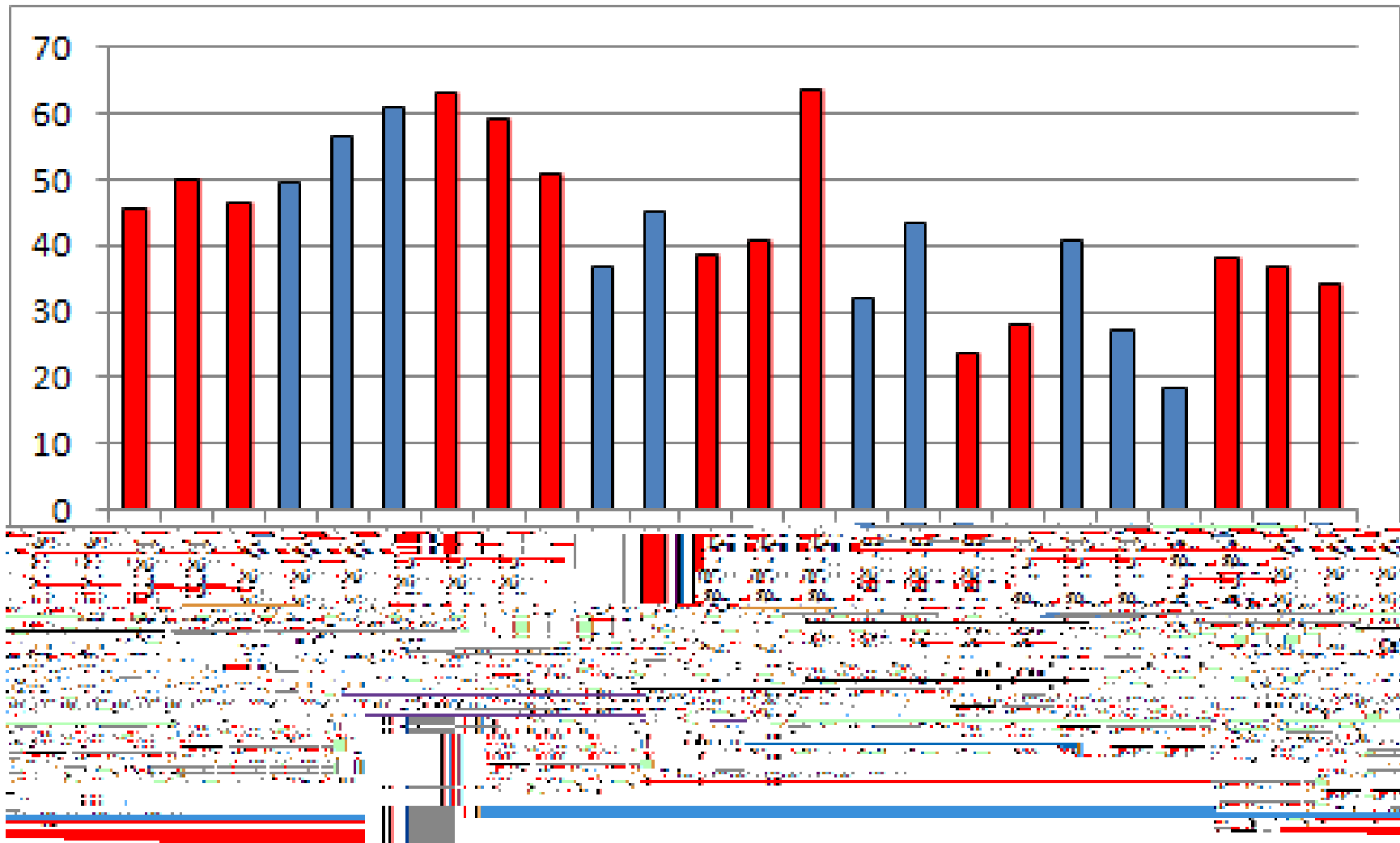
Source: Mark Montgomery et al., "Urban Migration of Adolescent Girls." PAA 2012

## School Attendance of Migrant Children, by Presence of Relatives



Source: IPUMS. Samples circa 2000. Children age 6 to 15 who migrated internally within the past 5 years.

# Immigrant Intermarriage Over Time

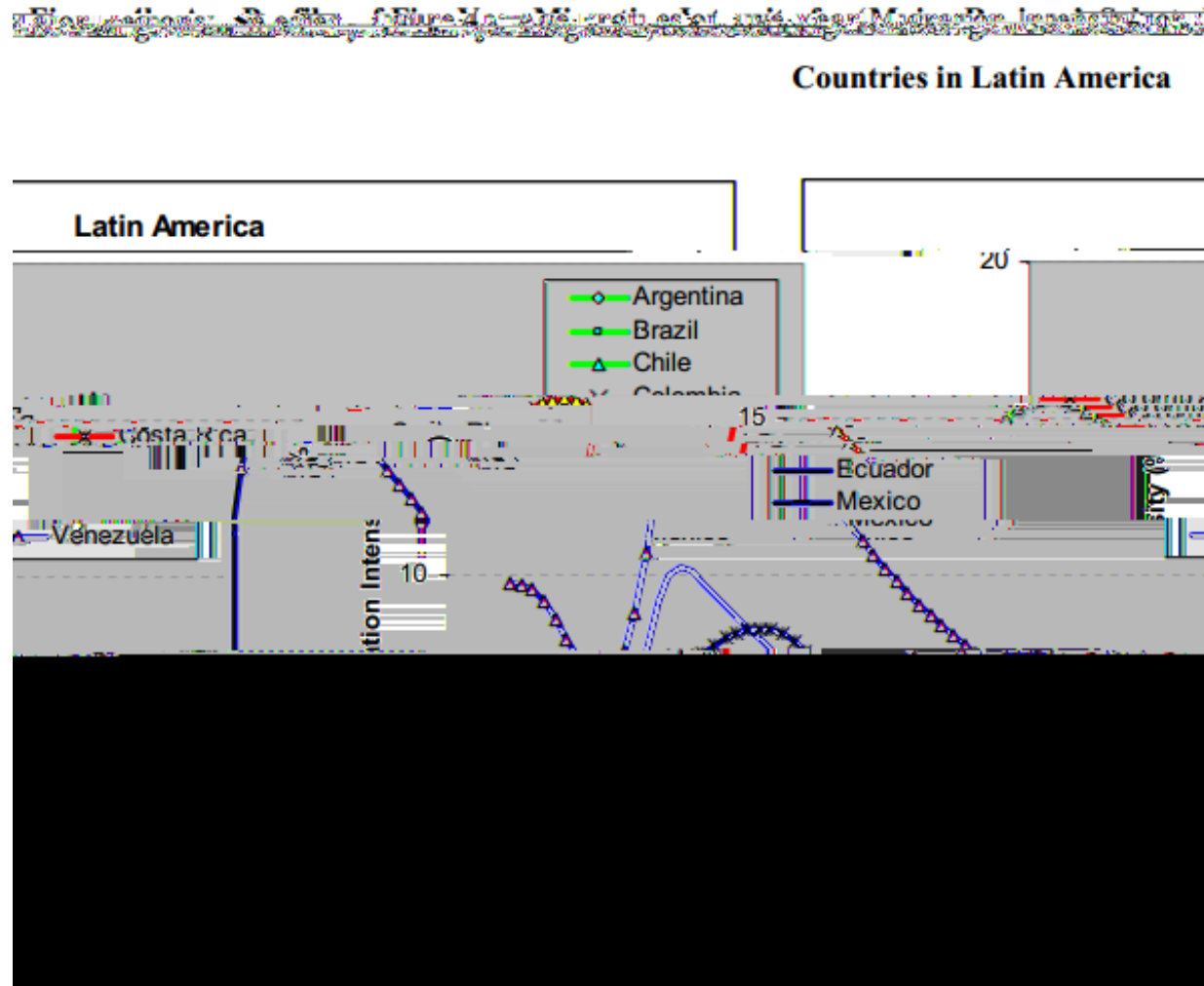


Source: IPUMS. Foreign-born persons in a marriage or union to a person from a different country of origin.

# Age by Migrant Type: 3 Countries

Source: Shahin Yaqub, "Child Migrants with and without Parents: Census-Based Estimates of Scale and

# Internal Migration Intensity by Age: Latin America



Source: M. Bell and S. Muhidin, "Cross-National Comparisons of Internal Migration", UNDP, Human Development Research Paper, 2009/30, 2009.



# Age 60+ Internal Migration Rates, Previous 5 Years

	Year 2000, GDP per capita in current US dollars	Percentage reported	
Brazil-2000	\$4,135	3.8%	176%
Chile-2003	\$3,100	10.0%	57%
Costa Rica-2000	\$1,837	5.5%	35%
Greece-2001	\$2,278	6.4%	30%
Mexico-2000	\$5,492	4.5%	2.0%
Philippines-2000	\$1,073	3.5%	13%
Vietnam-1999	\$383	2.7%	10%

Migration across major administrative boundaries in previous five years.

Source: D. Bradley and C. Longino, "Geographic Mobility and Aging in Place", in P. Uhlenberg (ed.), *International Handbook of Population Aging*, 2009.

# Sex Ratios by Age, Mexico 1960-2000

Source: Steven Raphael, "International Migration, Sex Ratios, and the Socioeconomic Outcomes of Non-migrant Mexican Women", Institute for Research on Labor and Employment, Working paper, 2009.

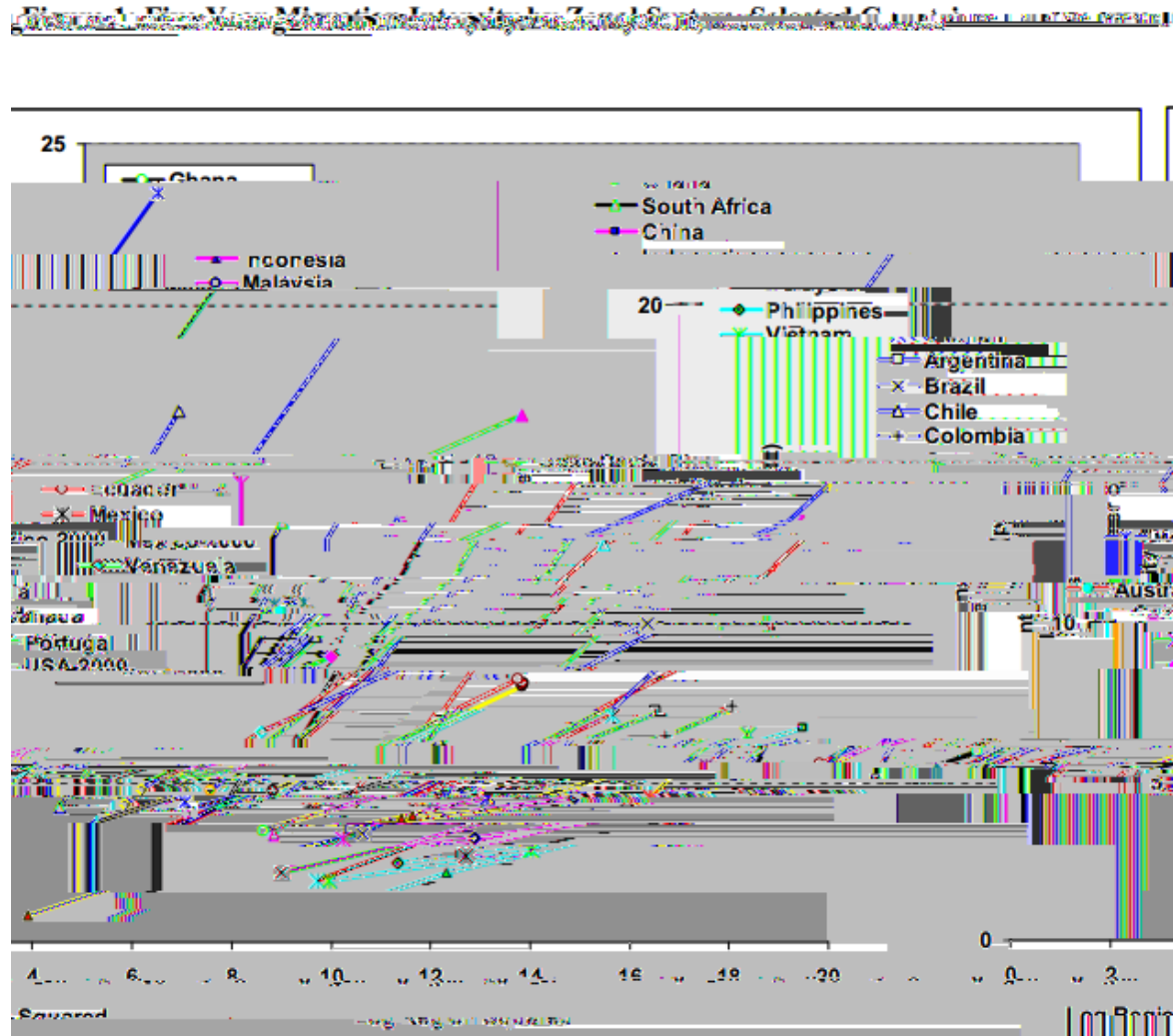
# Return Migration: Education and Employment

TABLE 4

Model 1		Model 2	
		Migration Status	
Immigrants		Non-immigrants	
Female (p=0.000)	0.000	0.000	0.000
Female x post g	0.249***	0.249***	0.249***
Sex x day x post g	0.000***	0.000***	0.000***
Western graduate	0.000***	0.000***	0.000***
IT x post g x day	0.000***	0.000***	0.000***
Return Migration			
1.131	No school	1.25	
1.078	Primary school	0.806	
1.262	Secondary school	0.961	
0.49	0.49	0.49	0.49
0.778	0.778	0.778	0.778
Focus on Post			
0.786	0.743	No school	
0.925	0.925	0.925	0.925
1.000	1.000	1.000	1.000
0.609	0.609	0.609	0.609

Source: Kevin Thomas, "Return Migration in Africa and the Relationship between Educational Attainment and Labor Market Success: Evidence from Uganda", *International Migration Research*, 2008.

# Measurement: Internal Migration by Size of Geographic Unit



Source: M. Bell and S. Muhidin, "Cross-National Comparisons of Internal Migration", UNDP, Human Development Research Paper, 2009/30, 2009.

# Thank You!

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