



PROJECT

[ABOUT IPUMS-I](#)
[HOW TO CITE IPUMS-I](#)
[USER REGISTRATION AND LOGIN](#)

DATA

[BROWSE AND SELECT DATA](#)
[DOWNLOAD YOUR DATA EXTRACT](#)
[GEOGRAPHY AND GIS](#)
[SUPPLEMENTAL DATA FILES](#)
[ANALYZE DATA ONLINE](#)

SAMPLES

[SAMPLE DESCRIPTIONS](#)
[SOURCE DOCUMENTS](#)
[VARIANCE ESTIMATION](#)

RESOURCES

[HELP](#)
[USER FORUM](#)
[REVISIONS](#)
[BIBLIOGRAPHY](#)
[INTERNATIONAL PARTNERS](#)
[TEACHING WITH IPUMS](#)

HARMONIZED INTERNATIONAL CENSUS DATA FOR SOCIAL SCIENCE AND HEALTH RESEARCH

IPUMS-International is dedicated to collecting and distributing census data from around the world. The project goals are to collect and preserve data and documentation, harmonize data, and disseminate the harmonized data free of charge.

85 countries - 301 censuses - 672 million person records

Source data for IPUMS-International are generously provided by participating National Statistical Offices

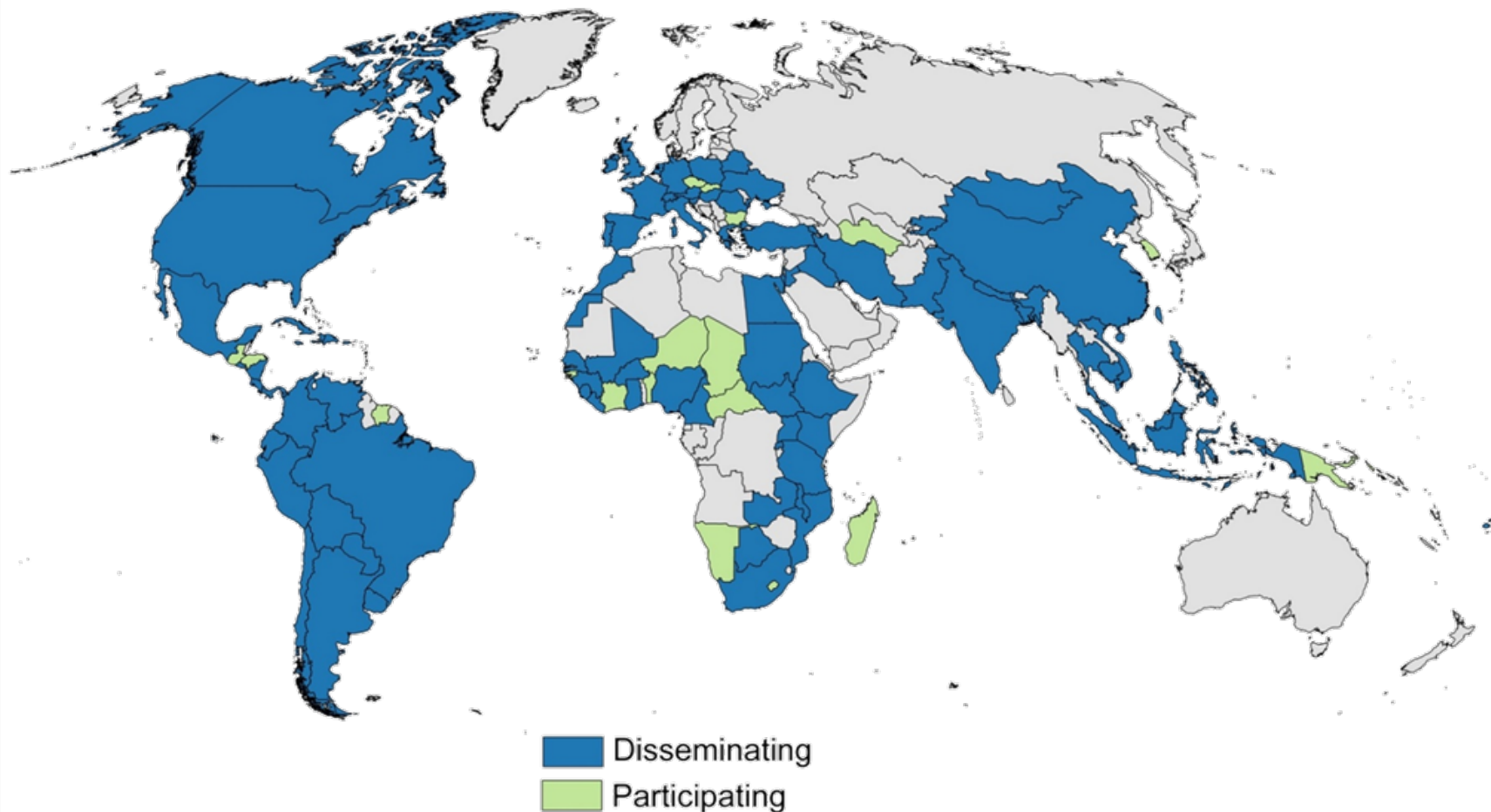
CREATE AN EXTRACT

GET DATA

CREATE AN ACCOUNT

REGISTER

IPUMS microdata availability



85 countries – 301 censuses – 672 million person records

Thank you National Statistical Offices!



IPUMS
INTERNATIONAL

IPUMS samples per country

Argentina	5	Fiji	5	Malaysia	4	Saint Lucia	2
Armenia	2	France	8	Mali	3	Senegal	2
Austria	5	Germany	4	Mexico	8	Sierra Leone	1
Bangladesh	3	Ghana	3	Mongolia	2	Slovenia	1
Belarus	2	Greece	5	Morocco	3	South Africa	4
Bolivia	3	Guinea	2	Mozambique	2	South Sudan	1
Botswana	4	Haiti	3	Nepal	1	Spain	4
Brazil	6	Hungary	5	Netherlands	3	Sudan	1
Burkina Faso	3	India	6	Nicaragua	3	Switzerland	4
Cambodia	2	Indonesia	9	Nigeria	5	Tanzania	3
Cameroon	3	Iran	2	Pakistan	3	Thailand	4
Canada	5	Iraq	1	Palestine	2	Trinidad & Tobago	5
Chile	5	Ireland	9	Panama	6	Turkey	3
China	3	Israel	3	Paraguay	5	Uganda	2
Colombia	5	Italy	1	Peru	2	Ukraine	1
Costa Rica	5	Jamaica	3	Philippines	3	UK	2
Cuba	1	Jordan	1	Poland	4	USA	7
Dominican Republic	5	Kenya	5	Portugal	4	Uruguay	6
Ecuador	6	Kyrgyz Republic	2	Puerto Rico	6	Venezuela	4
Egypt	3	Liberia	2	Romania	4	Vietnam	3
El Salvador	2	Malawi	3	Rwanda	2	Zambia	3



IPUMS Adds Value, Facilitates Research

NSO microdata: census-by-census

IPUMS: simplify comparison across time and place without loss of information

1. Integrate census samples

- Common format for data *and metadata*
- Bring together in common database

2. Harmonize variables

- Common codes for variables across all data files
- Composite coding structure
 - First digit = general code (common to many censuses)
 - Trailing digits = detailed codes

3. Dissemination

- User downloads custom data extracts
- Pooled samples containing only selected variables

IPUMS Variable Page, Metadata

MARST

ADD TO CART

SELECT SAMPLES

Marital status

Group: [Demographic – PERSON](#)

CODES

DESCRIPTION

COMPARABILITY

UNIVERSE

AVAILABILITY

QUESTIONNAIRE TEXT

SOURCE VARIABLES

Description

MARST describes the person's current marital status according to law or custom. Individuals who remarried should report the status relevant to their most recent marriage. Census instructions rarely explicitly limit marital status to strictly legal unions.

Note regarding universe: The lowest age at which a person can be anything but "never married" varies among samples.



IPUMS variable harmonization

Marital Status: MARST

Bangladesh 2011

- 1 = Unmarried
- 2 = Married
- 3 = Widowed
- 4 = Divorced/separated

Mexico 1970

- 1 = Married, civil & relig
- 2 = Married, civil
- 3 = Married, religious
- 4 = Consensual union
- 5 = Widowed
- 6 = Divorced
- 7 = Separated
- 8 = Single

Kenya 1999

- 1 = Never married
- 2 = Monogamous
- 3 = Polygamous
- 4 = Widowed
- 5 = Divorced
- 6 = Separated



Input

**Bangladesh
2011**

**Mexico
1970**

**Kenya
1999**

1 = Unmarried	1 = Married, civil & relig	1 = Never married
2 = Married	2 = Married, civil	2 = Monogamous
3 = Widowed	3 = Married, religious	3 = Polygamous
4 = Divrc or separated	4 = Consensual union	4 = Widowed
	5 = Widowed	5 = Divorced
	6 = Divorced	6 = Separated
	7 = Separated	
	8 = Single	



Harmonized

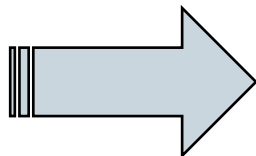
Code **Label**

1	Single
2	Married or in union
2	▷
2	▷
2	▷
2	▷
2	▷
2	▷
2	▷
3	Divorced or separated
3	
3	
4	Widowed

5 Steps to Create Custom Microdata Extract

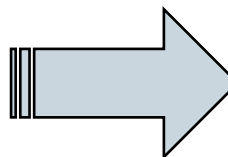


Registered researcher
1. Sign in with password



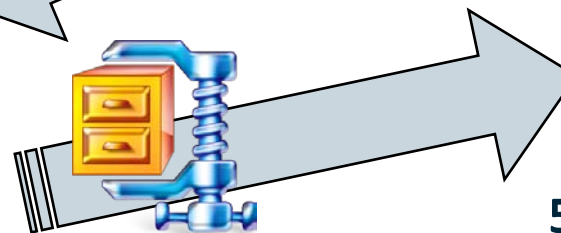
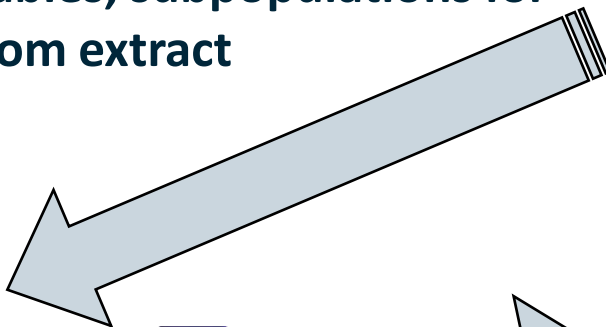
Demographic Variables -- PERSON [top]		
Add to cart	Variable	Variable Label
<input checked="" type="checkbox"/>	RELATE	Relationship to household head
<input checked="" type="checkbox"/>	ERELATE	Relationship to head, Europe
<input checked="" type="checkbox"/>	AGE	Age
<input checked="" type="checkbox"/>	AGE2	Age, grouped into intervals
<input checked="" type="checkbox"/>	AGE3	Age, intervalled, United Kingdom
<input checked="" type="checkbox"/>	SEX	Sex
<input checked="" type="checkbox"/>	MARST	Marital status
<input checked="" type="checkbox"/>	EMARST	Marital status, Europe
<input checked="" type="checkbox"/>	CONSENS	Consensual union
<input checked="" type="checkbox"/>	POLYGAM	Polygamous union

2. Pick: countries, census years, variables, subpopulations for custom extract



3. Receive email confirmation

4. Enter password, download extract, and...



... unzip extract.



5. Analyze your extract with your own tools: SPSS, SAS, Stata, R, etc.



Home
Ownership

Relation
to Head

Age

Marital
Status

Occupation

00000190001	10000100000001	10000100071	1221000001	1992221233450	999
00000190001	10000200000002	210021055	2221017001	1042221233100	999
00000190001	1000030020013	3000030031	2110000001	1002440011000	211
00000190001	1000040020013	3000030029	1110000001	1992222111000	762
00000200001	10000100000001	100010044	1221000001	1992440011000	532
00000200001	10000200000002	210021040	2221028001	1032331111000	532
00000200001	1000030020013	3000030012	1110000001	1992221233300	999
00000200001	1000040020013	3000030008	2110000001	1992112000000	999
00000210001	10000100300001	100010044	1110000001	1992331111000	123
00000210001	10000200300004	441050043	1110000001	1992440011000	744

100	1000	071	121	0999
100	2100	055	210	0999
100	3000	031	100	211
100	3000	029	100	762
100	1000	044	210	532
100	2100	040	210	532
100	3000	012	100	999
100	3000	008	100	999
100	1000	044	100	123
100	4410	043	100	744

Customized data extract

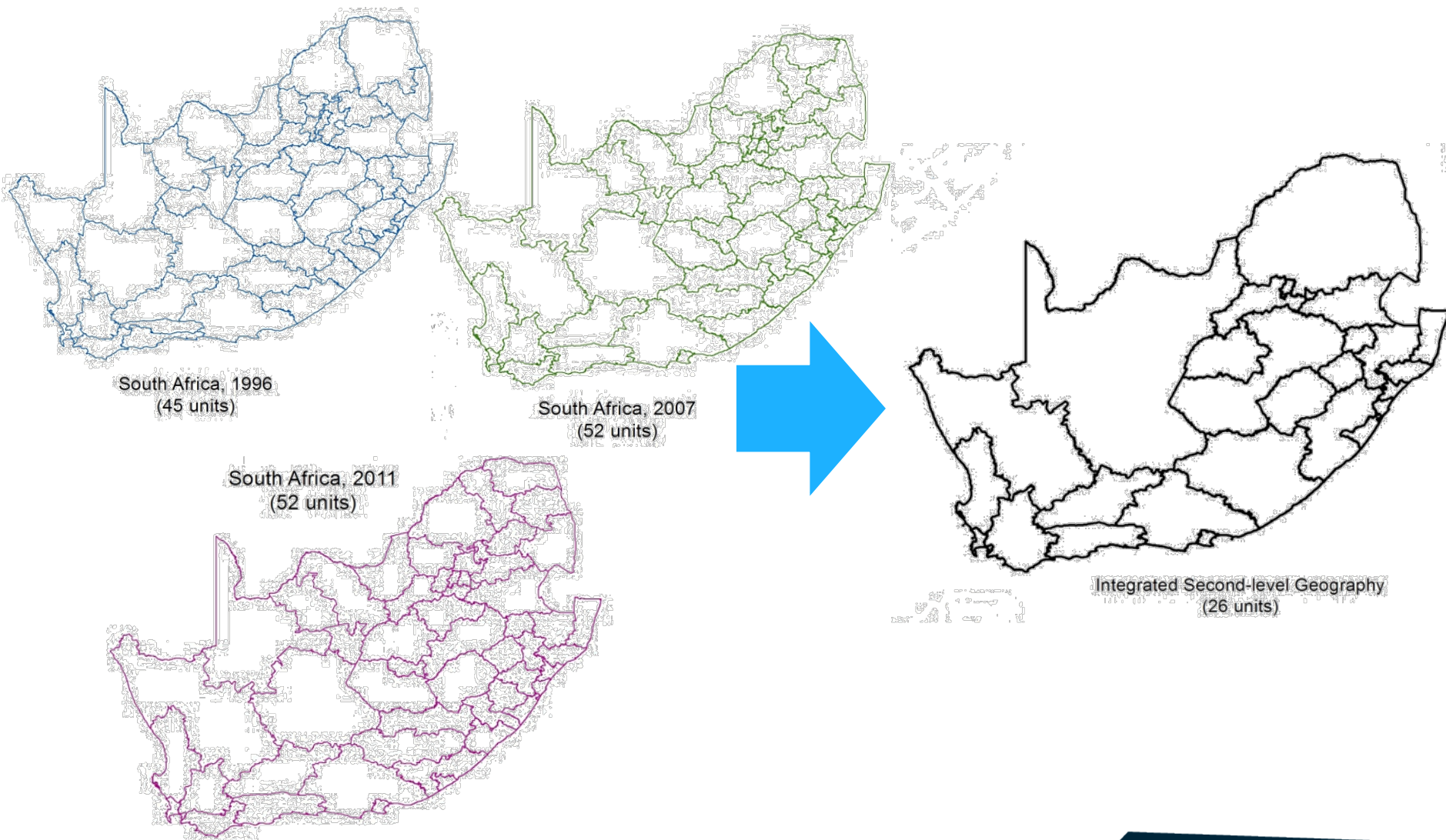


Other features of the dissemination system

- **Family interrelationship (pointer) variables**
- **Spatial harmonization, GIS shapefiles**
- **Online tabulator**
- **User support**
- **Classroom accounts**
- **... Among others**



Geographic boundary files





PROJECT

ABOUT IPUMS-I
HOW TO CITE IPUMS-I
USER REGISTRATION AND LOGIN

DATA

BROWSE AND SELECT DATA
DOWNLOAD YOUR DATA EXTRACT
GEOGRAPHY AND GIS
SUPPLEMENTAL DATA FILES
ANALYZE DATA ONLINE

SAMPLES

SAMPLE DESCRIPTIONS
SOURCE DOCUMENTS
VARIANCE ESTIMATION

RESOURCES

HELP
USER FORUM
REVISIONS
BIBLIOGRAPHY
INTERNATIONAL PARTNERS
TEACHING WITH IPUMS

GIS BOUNDARY FILES

[World map](#). A world map with national boundaries that match Large Scale International Boundaries (LSIB). LSIB is in WGS84 datum and boundaries reflect U.S. government (USG) policy and not necessarily de facto control. The attribute data in this world map apply to the variables for country of residence ([COUNTRY](#)) and country of birth ([BPLCOUNTRY](#)). National maps of first and second administrative units nest within the world map.

[Spatially harmonized first-level geography](#). A single world shapefile including the major subnational administrative unit in which the household was enumerated, spanning all IPUMS samples. The attribute data correspond to the codes that are found in the [GEOLEV1](#) variable and enable cross-national and intra-national geographic analysis over time.

[Spatially harmonized second-level geography](#). A single world shapefile including the second level administrative unit in which the household was enumerated, across most IPUMS samples. The attribute data correspond to the codes that are found in the [GEOLEV2](#) variable and enable cross-national and intra-national geographic analysis over time.

[Year-specific first-level geography](#). Individual country shapefiles for the major subnational administrative unit in which the household was enumerated across most IPUMS samples. The IPUMS code in the attribute table matches the corresponding year-specific geography variable.

[Year-specific second-level geography](#). Individual country shapefiles for the second-level administrative unit in which the household was enumerated across most IPUMS samples. The IPUMS code in the attribute table matches the corresponding year-specific geography variable.



PROJECT

- [ABOUT IPUMS-I](#)
- [HOW TO CITE IPUMS-I](#)
- [USER REGISTRATION AND LOGIN](#)

DATA

- [BROWSE AND SELECT DATA](#)
- [DOWNLOAD YOUR DATA EXTRACT](#)
- [GEOGRAPHY AND GIS](#)
- [SUPPLEMENTAL DATA FILES](#)

ANALYZE DATA ONLINE

SAMPLES

- [SAMPLE DESCRIPTIONS](#)
- [SOURCE DOCUMENTS](#)
- [VARIANCE ESTIMATION](#)

RESOURCES

- [HELP](#)
- [USER FORUM](#)
- [REVISIONS](#)
- [BIBLIOGRAPHY](#)
- [INTERNATIONAL PARTNERS](#)
- [TEACHING WITH IPUMS](#)

IPUMS ONLINE DATA ANALYSIS SYSTEM

The IPUMS online analysis system uses high-speed tabulation software developed at UC-Berkeley's [Computer-assisted Survey Methods Program](#). All data are provided by participating National Statistical Offices.

Click on any of the links below to get started. See the [instructions](#) page or the [video tutorial](#) for information on using the system.

NOTE: The statistics produced by the online analysis system are derived from sample data processed by IPUMS. They may not match official published statistics.

Single-Sample Datasets

Argentina	2010	2001	1991	1980	1970	
Armenia	2011	2001				
Austria	2011	2001	1991	1981	1971	
Bangladesh	2011	2001	1991			
Belarus	2009	1999				
Bolivia	2001	1992	1976			
Botswana	2011	2001	1991	1981		
Brazil	2010	2000	1991	1980	1970	1960
Burkina Faso	2006	1996	1985			
Cambodia	2008	1998				

SDA Frequencies/Crosstabulation Program

Help: [General](#) / [Recoding Variables](#)

REQUIRED Variable names to specify

Row:

OPTIONAL Variable names to specify

Column:

Control:

Selection Filter(s):

Weight: ▼

TABLE OPTIONS

Percentaging:

- Column Row Total
- [Confidence intervals](#) Level: ▼
- [Standard error of each percent](#)

N of cases to display:

- Unweighted Weighted
- [Summary statistics](#)
- [Question text](#) [Suppress table](#)
- [Color coding](#) [Show Z-statistic](#)
- [Include missing-data values](#)

Title:

Run the Table

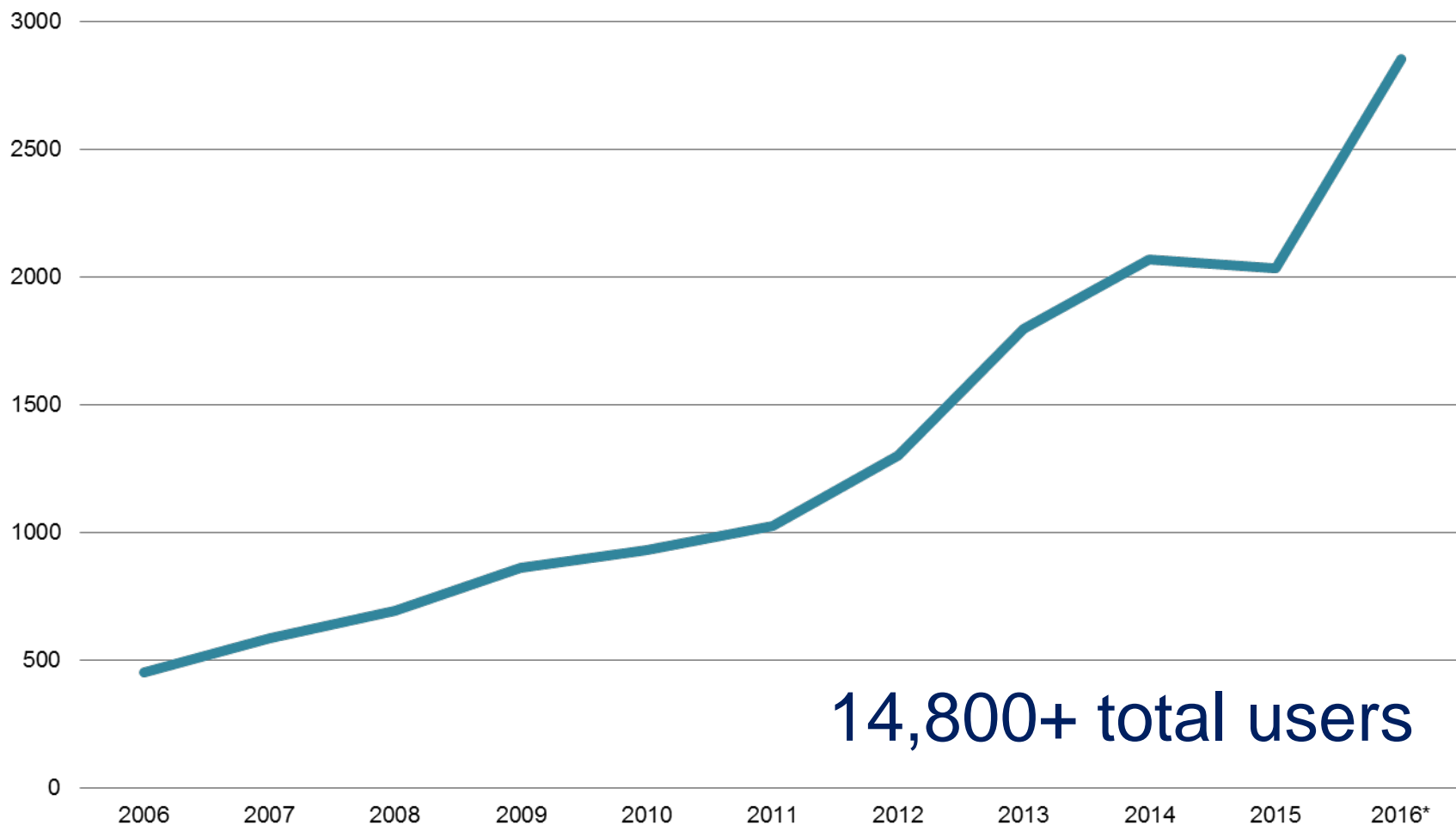
Clear Fields

Variables					
Role	Name	Label	Range	MD	Dataset
Row	school	School attendance	0-9		1
Column	sex	Sex	1-2		1
Weight	perwt	Person weight	.77-195.31		1

Frequency Distribution				
Cells contain: -Column percent -N of cases		sex		
		1 Male	2 Female	ROW TOTAL
school	0: NIU (not in universe)	6.1 127,485	5.5 121,067	5.8 248,552
	1: Yes	29.3 548,659	28.4 549,155	28.8 1,097,814
	2: No, not specified	62.7 1,275,026	64.3 1,280,943	63.5 2,555,969
	9: Unknown/missing	2.0 53,247	1.8 50,586	1.9 103,833
	COL TOTAL	100.0 2,004,417	100.0 2,001,751	100.0 4,006,168

Color coding:	<-2.0	<-1.0	<0.0	>0.0	>1.0	>2.0	Z
N in each cell:	Smaller than expected			Larger than expected			

IPUMS International: Scholarly Data Use



IPUMS International Users: by Discipline, Status, Anticipated Results

Discipline		Anticipated result	
Economics	5000+	Research article	50%
Demography	2000+	Faculty	15%
Sociology	1000+	Research assignment	15%
Statistics	500+	Policy and academic	5%
Public Policy	500+	Teaching materials	5%
Geography	300+	Book	2%
History	150+		
Non-academic	80+		



IPUMS International: Institutions

North America

- University of Minnesota
- University of California, Berkeley
- Harvard University
- University of Michigan
- University of Chicago
- Columbia University
- Dartmouth College
- University of California, Davis
- Wellesley College

Central and South America

- El Colegio de México
- Universidade Federal de Minas Gerais, BR
- Universidad de Valle, Colombia
- Pontificia Universidad Católica de Chile
- Universidad Nacional de la Plata, AR

Asia & Oceania

- University of Malaya
- National University of Singapore
- Hong Kong University of Science and Technology
- Renmin University of China
- Seoul National University
- Australian National University

Africa

- University of Witwatersrand, South Africa
- Obafemi Awolowo University, Nigeria
- University of Cape Town
- Makerere University, Uganda
- Cairo University
- University of Nairobi

Europe

- London School of Economics
- University of Oxford
- University of Cambridge
- Paris School of Economics
- European University Institute, Florence
- Universidad Carlos III de Madrid
- Universitat Autònoma de Barcelona

International Organizations

- The World Bank
- United Nations
- Inter-American Development Bank
- World Health Organization



IPUMS International: Recent Publications

Popul Res Policy Rev (2013) 32:129–158
DOI 10.1007/s11113-012-9251-8

Do Rainfall Deficits Predict U.S.-Bound Migration from Rural Mexico? Evidence from the Mexican Census

**Raphael J. Nawrotzki · Fernando Riosmena ·
Lori M. Hunter**

Concluding remarks

- **Recent initiatives:**
 - **IPUMS-International Research Data Enclave**
 - **Labor Force Surveys**
- **Thanks to:**
 - **National Statistical Offices for trust and cooperation**
 - **International organizations for their support**
 - **Researchers for using of IPUMS integrated datasets**
- **Looking forward to work together towards the 2020 census round**

Thank you!

Rodrigo Lovatón

lovat003@umn.edu

 @ipumsi