SECOND MEETING
ARAB TASK FORCE ON POPULATION AND
HOUSING CENSUSES
2020 ROUND
Cairo, 22-23 January 2017

IPUMS International
An Overview

By Ragui Assaad
Minnesota Population Center
University of Minnesota

IPUMS
International

IPUMS?

Integrated - consistent codes, labels, and documentation

Public **U**se - free, anonymized, downloadable

Microdata - individual-level

Series - pooled data over time and place

IPUMS International

Home | **Select Data** | **FAQ** | **Help** | **Login**

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
Bibliography
International Partners
Teaching with IPUMS

Integrated Public Use Microdata Series, International

census microdata for social and economic research

IPUMS-International is a project dedicated to collecting and distributing census data from around the world. Its goals are to:

- Collect and preserve data and documentation
- Harmonize data
- Disseminate the data absolutely free!

82 countries - 277 censuses - 614 million person records

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

IPUMSI News

NEW! 19 samples added
NSF extends IPUMS project thru 2019
Geography variables revised
Online tabulator
Class accounts
Latin America project extended
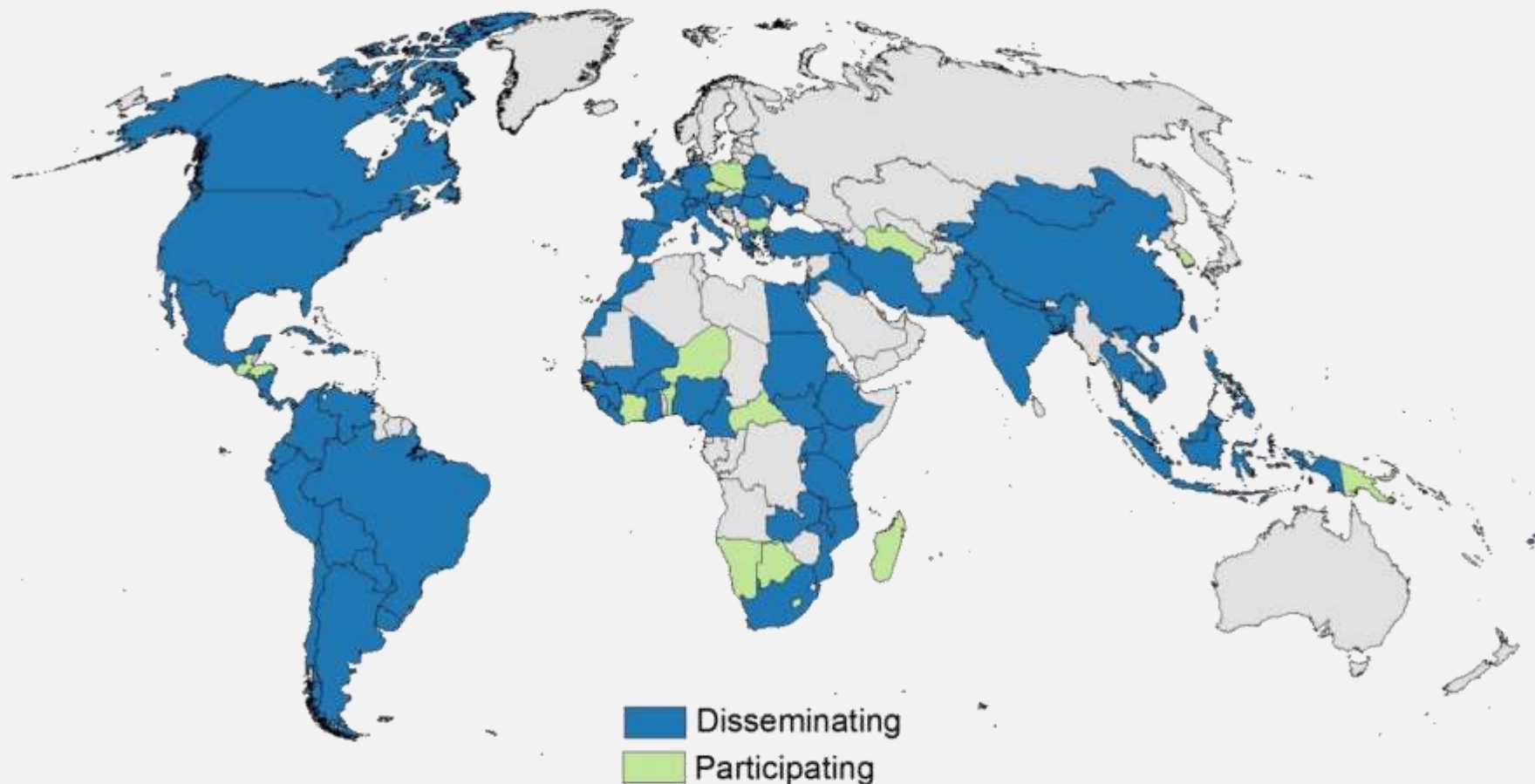Integrated DHS project funded
... All news items

MPC Data Projects

IPUMS-USA and others

Sign up to receive News of interest to IPUMS-International data users and producers.

Microdata Availability

Disseminating

Participating

82 countries   –   277 censuses   –   614 million person records

IPUMS
International

IPUMS Samples per Country

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

IPUMS International

Primary Goals

1. Preserve and Archive

2. Confidentialize

3. Harmonize

4. Document

5. Disseminate

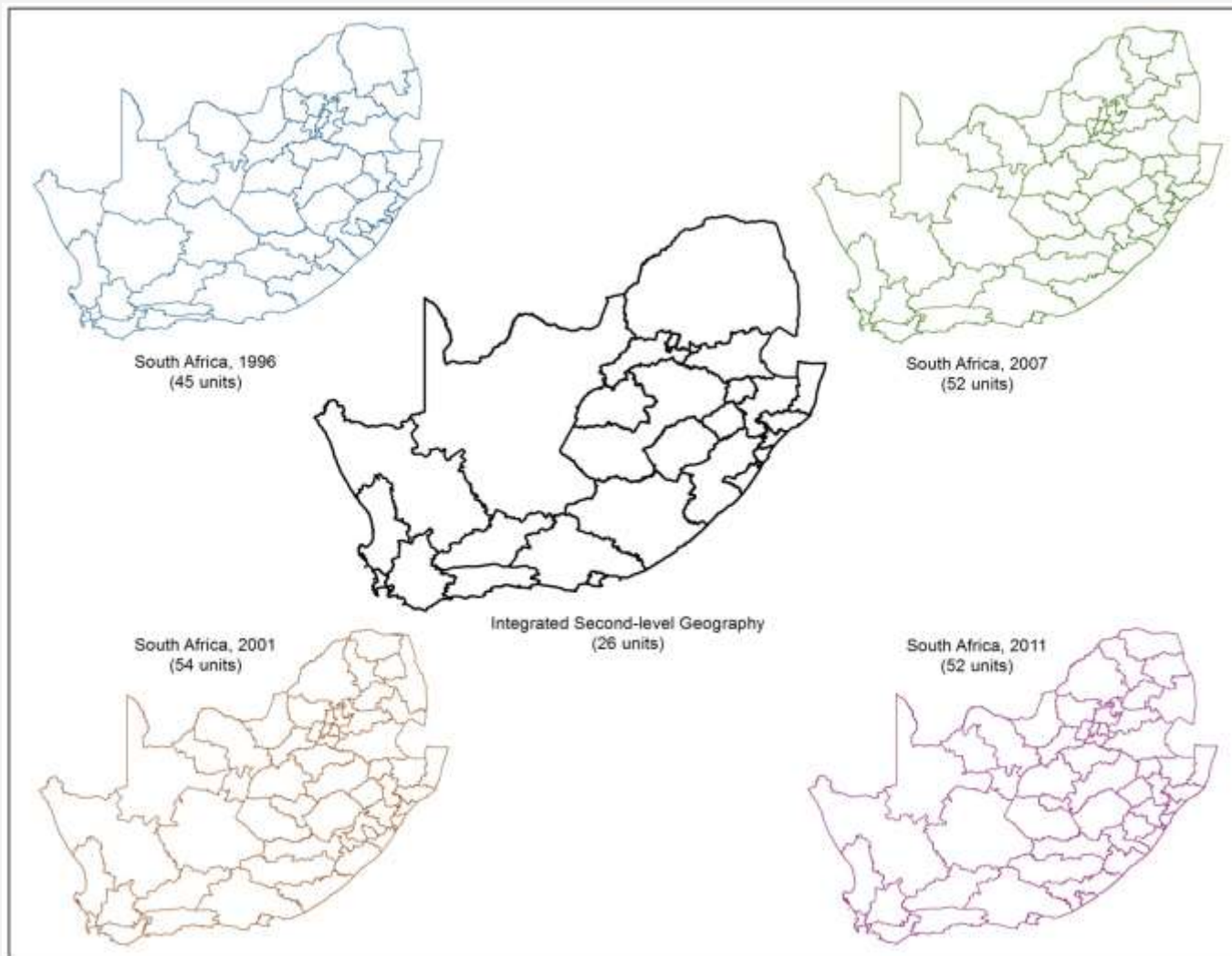**Data collection and preservation**

Khartoum, CBS-Sudan

Confidentiality Measures

- Suppress low-level geographic variables.

- Recode geographic units to ensure small localities cannot be identified (usually < 20,000 persons).

- Swap a small percentage of cases between geographic areas.

- For recent censuses:

  - Recode cells representing very small numbers of persons in the population.

  - Top- or bottom-code continuous variables.

- Suppress categories or entire variables as requested by the NSO.

Data Enhancements

- Harmonized variables

  - Consistent codes and labels across samples

- Integrated samples

- Harmonized and year-specific geography

- Constructed family interrelationship variables

- Comprehensive documentation

Geographic harmonization

South Africa, 1996
(45 units)

South Africa, 2007
(52 units)

South Africa, 2001
(54 units)

Integrated Second-level Geography
(26 units)

South Africa, 2011
(52 units)

Family Interrelationship Variables

Pernum	Relate	Age	Sex	Marst	Chborn	Spouse's Location
1	head	46	male	married	n/a	2
2	spouse	44	female	married	3	1
3	aunt	77	female	widow	7	0
4	child	15	female	single	0	0
5	child	13	female	single	n/a	0
6	child	11	male	single	n/a	0

Pernum	Relate	Age	Sex	Marst	Chborn	Mother's Location	Father's Location
1	head	46	male	married	n/a	0	0
2	spouse	44	female	married	3	0	0
3	aunt	77	female	widow	7	0	0
4	child	15	female	single	0	2	1
5	child	13	female	single	n/a	2	1
6	child	11	male	single	n/a	2	1

IPUMS
International

Census Questionnaire Image   (Mexico 2000)

I. Características de la vivienda

1. PAREDES

¿De qué material es la mayor parte de las paredes o muros de esta vivienda?

CIRCULE UN SOLO CÓDIGO

Material de desecho	1
Lámina de cartón	2
Lámina de asbesto o metálica	3
Carrizo, bambú o palma	4
Embarro o bajareque	5
Madera	6
Adobe	7
Tabique, ladrillo, block, piedra, cantera, cemento o concreto	8

2. TECHOS

¿De qué material es la mayor parte del techo de esta vivienda?

CIRCULE UN SOLO CÓDIGO

Material de desecho	1
Lámina de cartón	2
Lámina de asbesto o metálica	3
Palma, tejamanil o madera	4
Teja	5
Losa de concreto, tabique, ladrillo o terrado con viguería	6

3. PISOS

¿De qué material es la mayor parte del piso de esta vivienda?

CIRCULE UN SOLO CÓDIGO

Tierra	1
Cemento o firme	2
Madera, mosaico u otros recubrimientos	3

4. COCINA

¿Esta vivienda tiene un cuarto para cocinar?

CIRCULE UN SOLO CÓDIGO

Sí	1
No	2

PASE A 5

En el cuarto donde cocinan, ¿también duermen?

CIRCULE UN SOLO CÓDIGO

Sí	3
No	4

5. NÚMERO DE CUARTOS

¿Cuántos cuartos se usan para dormir sin contar pasillos?

|__|__|
ANOTE CON NÚMERO

Sin contar pasillos ni baños, ¿cuántos cuartos tiene en total esta vivienda? Cuente la cocina.

|__|__|
ANOTE CON NÚMERO

6. DISPONIBILIDAD DE AGUA

¿En esta vivienda tienen:

LEA LAS OPCIONES HASTA OBTENER UNA RESPUESTA AFIRMATIVA Y CIRCULE UN SOLO CÓDIGO

agua entubada dentro de la vivienda?	1
agua entubada fuera de la vivienda, pero dentro del terreno?	2
agua entubada de llave pública (o hidrante)?	3
agua entubada que acarrean de otra vivienda?	4
agua de pipa?	5
agua de un pozo, río, lago, arroyo u otra?	6

PASE A 8

Text of Census Questionnaire (Mexico 2000)

5. Number of Rooms

How many rooms are used for sleeping without counting hallways?

_____ Write the number

Without counting the hallways or bathrooms how many total rooms are in this dwelling? Count the kitchen

_____Write the number

6. Access to water

Read all of the options until you get an affirmative answer.
Circle only one answer

1 Running water inside the dwelling
2 Running water outside the dwelling but on the land
3 Running water from a public faucet or hydrant
4 Running water that is carried from another dwelling
5 Tanked in by truck
6 Water from a well, river, lake, stream or other

Answers 3, 4, 5, 6 continue with number 8

7. Water supply

How many days of the week is water available?
Circle only one answer

1 Daily
2 Every third day
3 Twice a week
4 Once a week
5 Occasionally

Documentation

Documentation

Documentation

Customized Data Extract

Pooled Data Extracts

sample   water   sex   education

1 dataset
3 censuses
4 variables
6.2 million records
Harmonized codes

3.6 million
Argentina 2001

1.5 million
Chile 2002

1.1 million
Cuba 2002
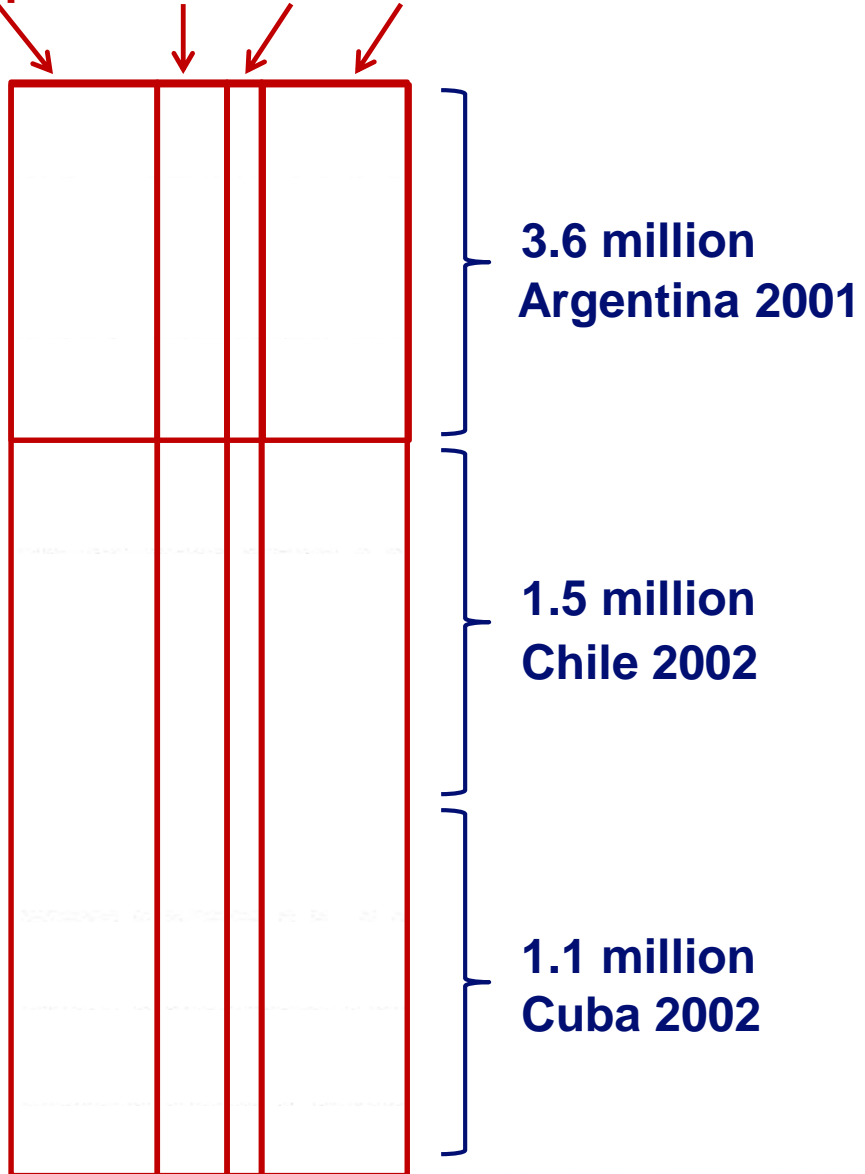
User base & data use

New users by year

13,000+ total users

IPUMS
International
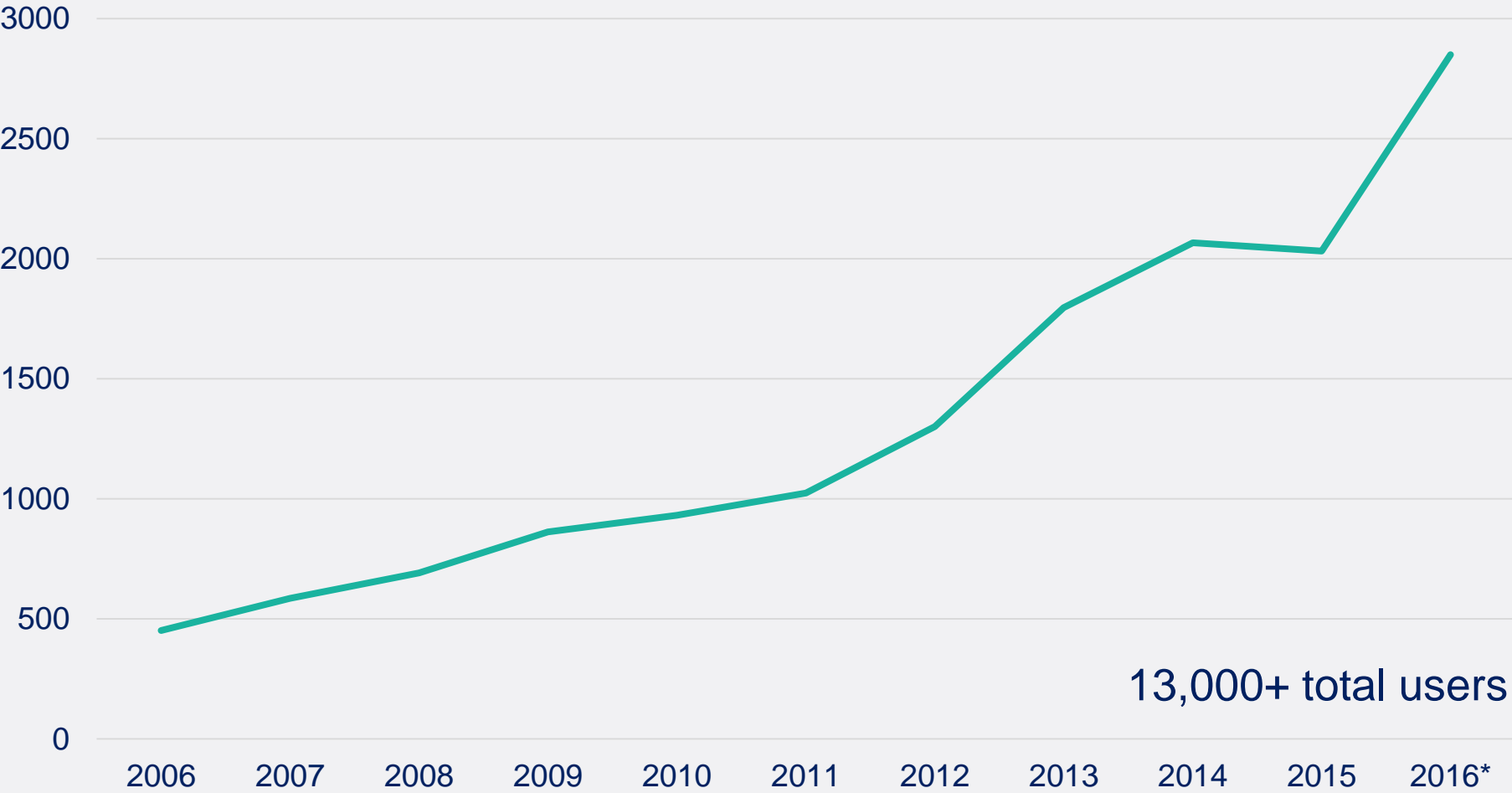
Users: institutions

North America
- University of Minnesota **(1)**
- University of California, Berkeley **(2)**
- Harvard University **(3)**
- University of Michigan **(4)**
- University of Chicago **(6)**
- Columbia University **(7)**
- Dartmouth College **(8)**
- University of California, Davis **(9)**
- Wellesley College **(10)**

Central and South America
- El Colegio de México
- Universidade Federal de Minas Gerais, Brazil
- Universidad de Valle, Colombia
- Pontificia Universidad Católica de Chile
- Universidad Nacional de la Plata, Argentina

Asia & Oceania
- National University of Singapore
- University of Malaya
- Hong Kong University of Science and Technology
- Xiamen University, China
- Seoul National University
- University of Queensland, Australia

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 Autonoma de Barcelona

International Organizations
- The World Bank **(5)**
- United Nations
- Inter-American Development Bank
- World Health Organization

IPUMS
International

Users: discipline and status

Discipline		Status	
Economics	6000+	Student	50%
Demography	2000+	Faculty	15%
Sociology	1000+	Researcher	15%
Statistics	600+	Other academic	5%
Public Policy	600+	Non-academic	5%
Geography	400+		
History	150+		
Non-academic	100+		

Commonly-requested variables

Top 10

Educational attainment

Marital status

Employment status

Relationship to head

Age

Sex

Class of worker

Years of schooling

Ownership of dwelling

Urban-rural status

11 to 20

School attendance

Occupation, ISCO

Literacy

Industry, general recode

Country of birth

Nativity status

Children ever born

Occupation, unrecoded

Industry, unrecoded

Religion

21 to 30

Water supply

Children surviving

Electricity

Sewage

Migration status, 5 years

Earned income

Total income

Spouses location in HH

Number of rooms

Toilet

IPUMS
International

Extracts: objective

Anticipated result

Research article	35%
Thesis	25%
Class assignment	20%
Policy report	5%
Teaching materials	3%
Book	2%

Average extract

3 countries

6 samples

35 variables

Thank You!

ipums.org
ipums@umn.edu