

Using the IPUMS Tabulator for Fast Data Exploration

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19 July 2022

Online Analysis of IPUMS Microdata



U.S. Census and American Community Survey microdata from 1850 to the present. [Learn More](#)



Current Population Survey microdata including basic monthly surveys and supplements from 1962 to the present. [Learn More](#)



World's largest collection of census microdata covering over 100 countries, contemporary and historical. [Learn More](#)



Health survey data for Africa and Asia, including harmonized data collections for [DHS](#) [↗](#) and [PMA](#) [↗](#). [Learn More](#)



Historical and contemporary time use data from 1930 to the present. [Learn More](#)



Historical and contemporary U.S. health survey data from [NHIS](#) [↗](#) (1963-present) and [MEPS](#) [↗](#) (1996-present). [Learn More](#)

IPUMS Online Data Analysis from SDA

- **Web-based:** analysis of survey data, running on UMN servers
- **Fast:** column-stored data files, optimized for speed
- **Powerful:** Developed at University of California, Berkeley
Computer-assisted Survey Methods Program (CSM) to 2014
Now managed and supported by the [Institute for Scientific Analysis](#),
a private, non-profit organization that also develops the [CASES](#)
software package.



Overview

- **Tabulator interface**
- **Making tables**
- **Comparing means**
 - Recoding variables and filtering
 - View options (charts/graphs)
 - Significance and confidence intervals

**Topic: Exercise 1 for IPUMS International
Age and Employment in Spain 2011**

Analysis Create Variables Codebook

Variable Selection

Selected:

Copy to:

Mode

Append Replace

- Household
 - Technical Household
 - Group Quarters
 - Geography: Global
 - Geography: O-Z
 - Household Economic
 - Utilities
 - Appliances, Mechanicals, Other Amenities
 - Dwelling Characteristics
 - Constructed Household
- Person
 - Technical Person
 - Constructed Family Interrelationship
 - Demographic
 - Nativity and Birthplace
 - Education
 - Work
 - Migration: Global
 - Migration: O-Z
 - Disability

Tables Means Correl. matrix Comp. correl. Regression Logit/Probit List values

SDA Frequencies/Crosstabulation Program
 SDA Help: [General](#) / [Recoding Variables](#)

Row: (Required)

Column:

Control: ?

Selection Filter(s): ?

Weight: ?

- ▶ Output Options
- ▶ Chart Options
- ▶ Decimal Options
- ▶ Create and Download CSV File

Reminders, Tips, and Cautions

- **Sample data:** not meant to reproduce official totals
- **Use “year” or “sample”** for multi-year or continent-wide data
- **Check variable universes and unknown/missing values**
- **Understand your sample design**
- **Limited metadata** within SDA, so open an IPUMS tab or window
- **All statistics measured at the person level**

To do household level analysis, use only the first person in each household by filtering on the PERNUM variable: **pernum(1)**

Applying HHWT weight alone does not limit analysis to households only

IPUMS Online Data Analysis

User support is always ready to help you!
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