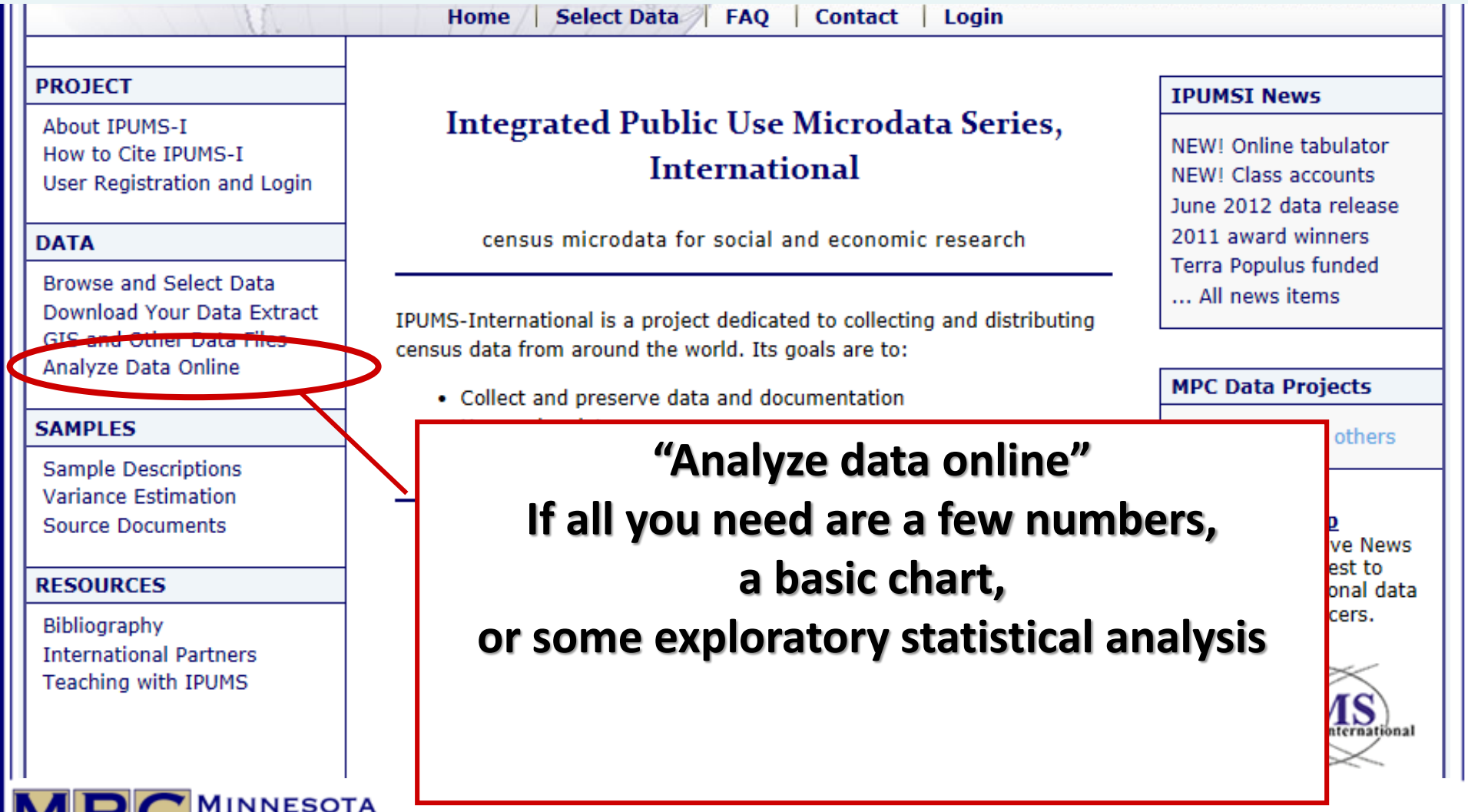
MINNESOTA POPULATION CENTER, UNIVERSITY OF MINNESOTA

IPUMS International

https://international.ipums.org/international

Press <F5> key to start presentation



MPC Minnesota Population Center

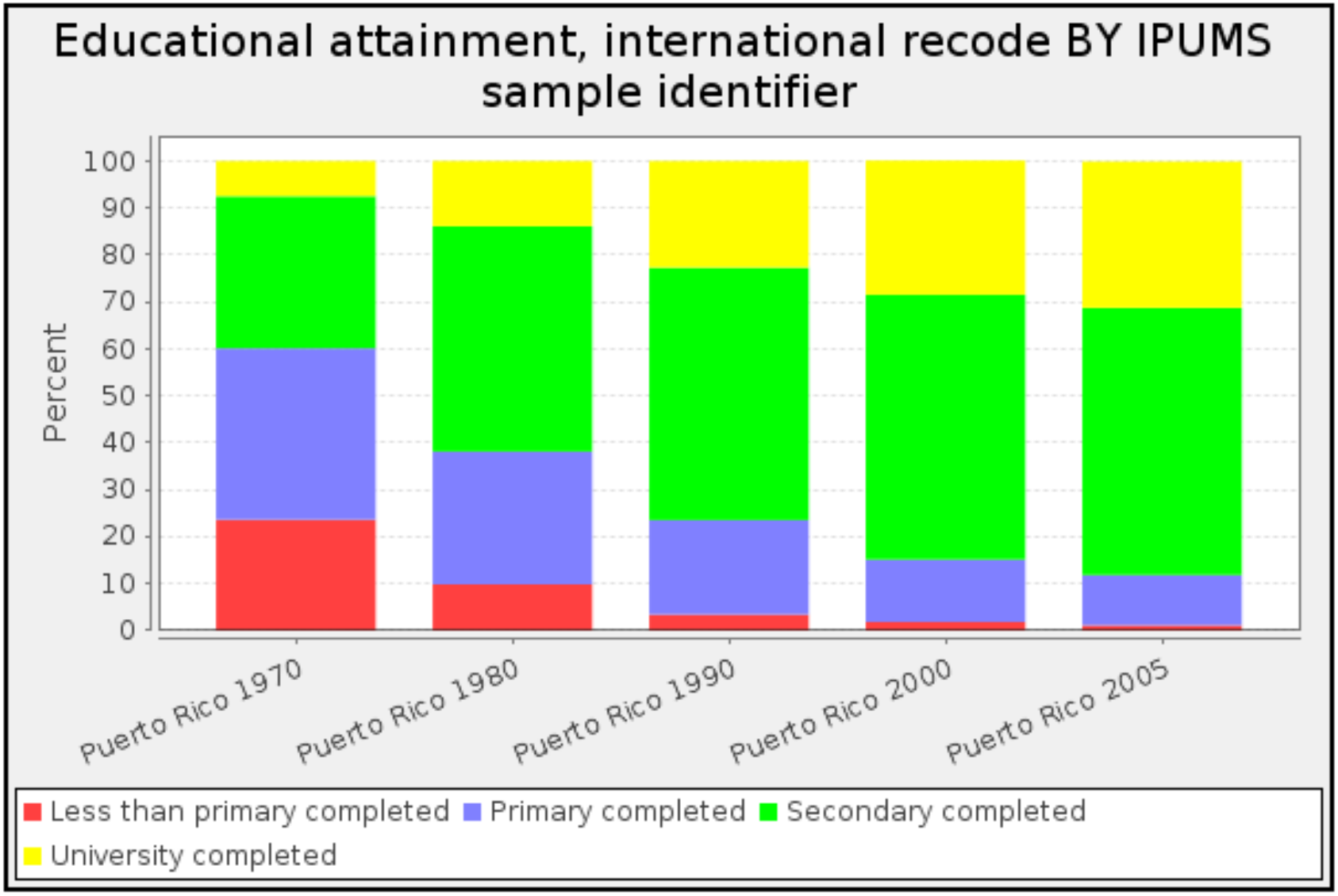
University of Minnesota

Example of using "Analyze Data Online"

- **5 steps to making a table of IPUMS microdata:**
  1. **Click "Analyze Data Online"**
  2. **Select samples**
  3. **Select statistical procedure**
  4. **Select Row/Col/Control/Filter using menus or keying the variable names**
  5. **Select options**
  6. **Add a title and press the "Run" button**
- **How to get metdata: codebook & more**
- **How to use statistical tools**

Example: Do this chart in <1 minute

Chart for sex = 2(Female)



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How can you do it?
1. click "Analyze Data Online"
2. click any year
For Puerto Rico, scroll down

PROJECT

About IPUMS-I
How to Cite IPUMS-I
User Registration and Login

DATA

Browse and Select Data
Download Your Data Extract
GIS and Other Data Files
Analyze Data Online

SAMPLES

Sample Descriptions
Variance Estimation
Source Documents

RESOURCES

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.

Click on any of the links below to get started. See the instructions page for information on using the system.

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

Single-Sample Datasets

Argentina	2001	1991	1980	1970	
Armenia	2001				
Austria	2001	1991	1981	1971	
Belarus	1999				
Bolivia	2001	1992	1976		
Brazil	2000	1991	1980	1970	1960
Cambodia	2008	1998			
Canada	2001	1991	1981	1971	

For a full series of samples:

scroll down more,

then click a range of years.

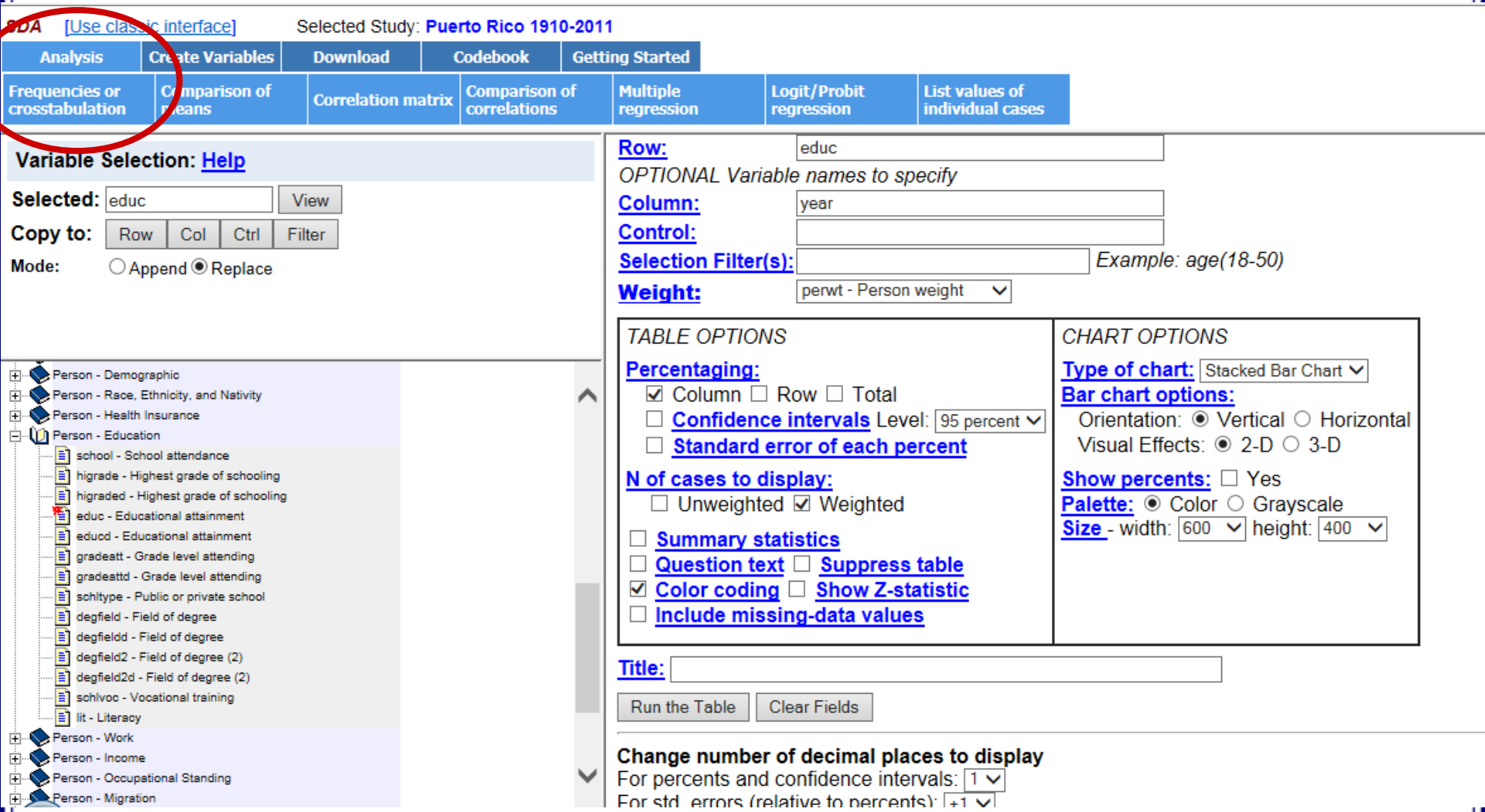
For a world region (e.g., Latin America) scroll down even more!

Multi-Sample Datasets

Include the *year* variable when using datasets that contain multiple samples for a country, such as "Argentina 1970-2001". Include the *sample* variable when using regional datasets, such as "Africa 1982-Present".

Argentina	1970-2001	**Austria**	1971-2001
Bolivia	1976-2001	**Brazil**	1960-2000
Cambodia	1998-2008	**Canada**	1971-2001
Chile	1960-2002	**China**	1982-1990
Colombia	1964-2005	**Costa Rica**	1963-2000
Ecuador	1962-2001	**Egypt**	1996-2006
El Salvador	1992-2007	**France**	1962-2006
Germany	1970-1987	**Greece**	1971-2001
Guinea	1983-1996	**Hungary**	1970-2001
India	1983-2004	**Indonesia**	1971-2010
Ireland	1971-2006	**Israel**	1972-1995
Jamaica	1982-2001	**Kenya**	1989-1999
Malawi	1987-2008	**Malaysia**	1970-2000
Mali	1987-1998	**Mexico**	1960-2010
Mongolia	1989-2000	**Morocco**	1982-2004
Netherlands	1960-2001	**Nicaragua**	1971-2005
Pakistan	1973-1998	**Palestine**	1997-2007
Panama	1960-2000	**Peru**	1993-2007
Phillippines	1990-2000	**Portugal**	1981-2001
Puerto Rico	1970-2005	**Romania**	1977-2002
Rwanda	1991-2002	**Saint Lucia**	1980-1991
Senegal	1988-2002	**South Africa**	1996-2007
Spain	1981-2001	**Switzerland**	1970-2000

3. “Hover over” Analysis and select “Frequencies and Cross-tabulations”



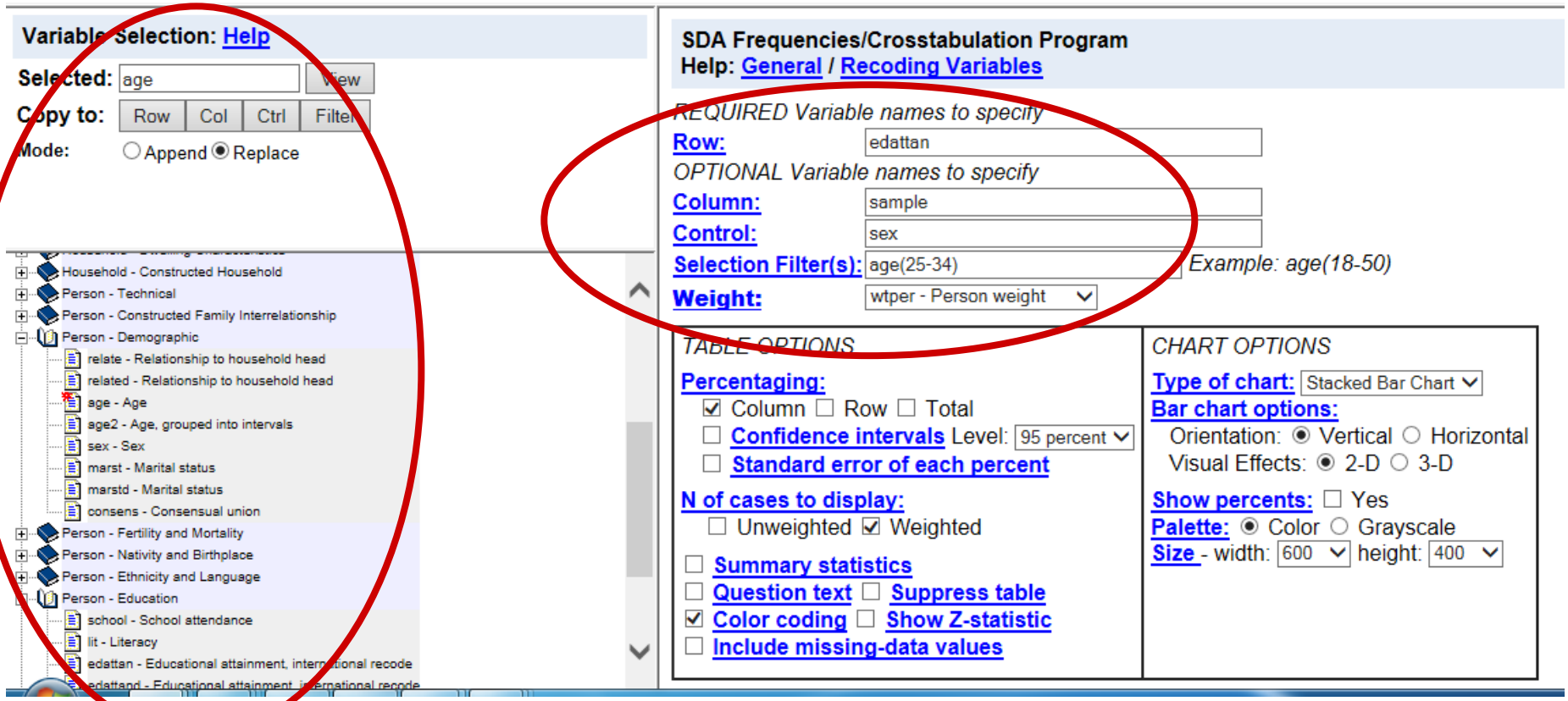
4. Make table

a. Row: “edattan” (key or select from menu on left).

b. Column: “sample” [year].

c. Control: “sex”.

d. Filter(s): age (25-34).



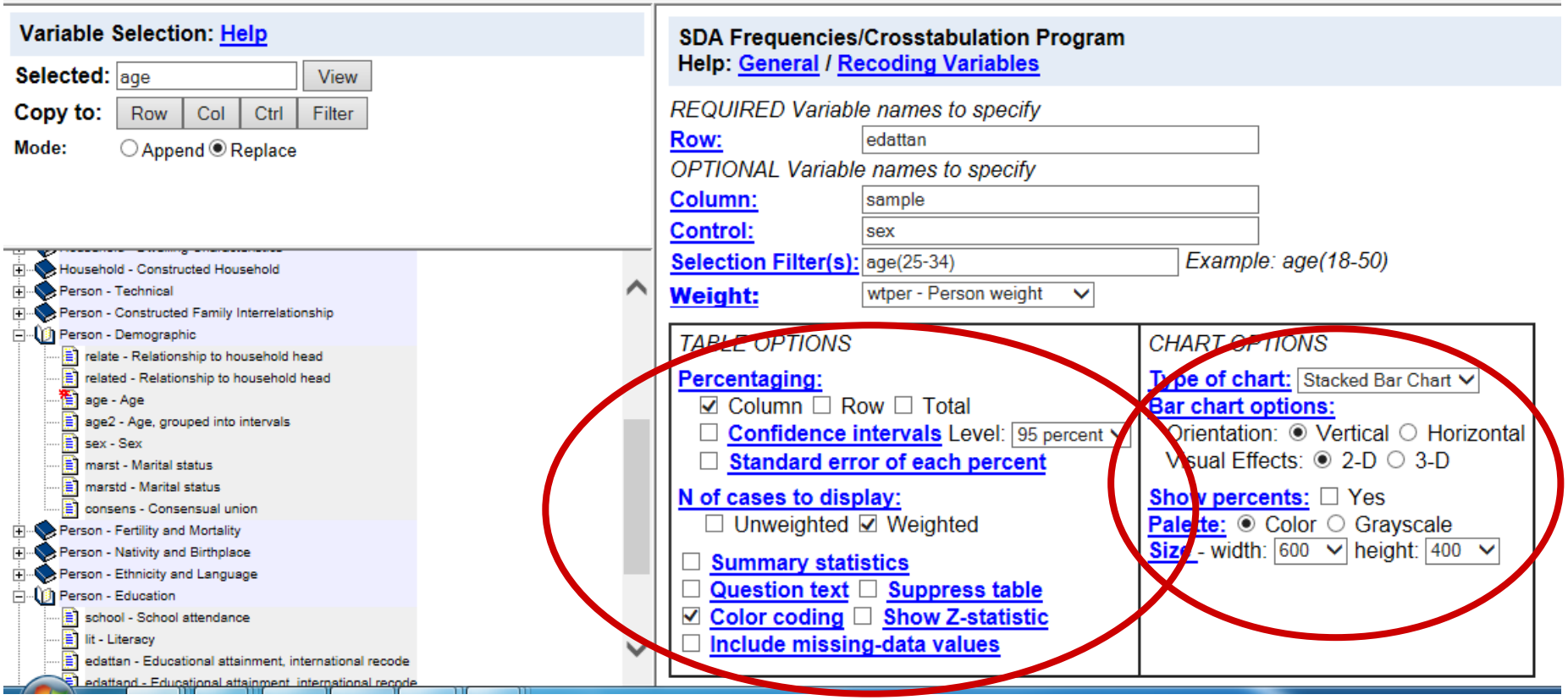
5. Select options

a. Percentaging

b. Summary statistics

c. Type of chart

d. Weighting, etc.

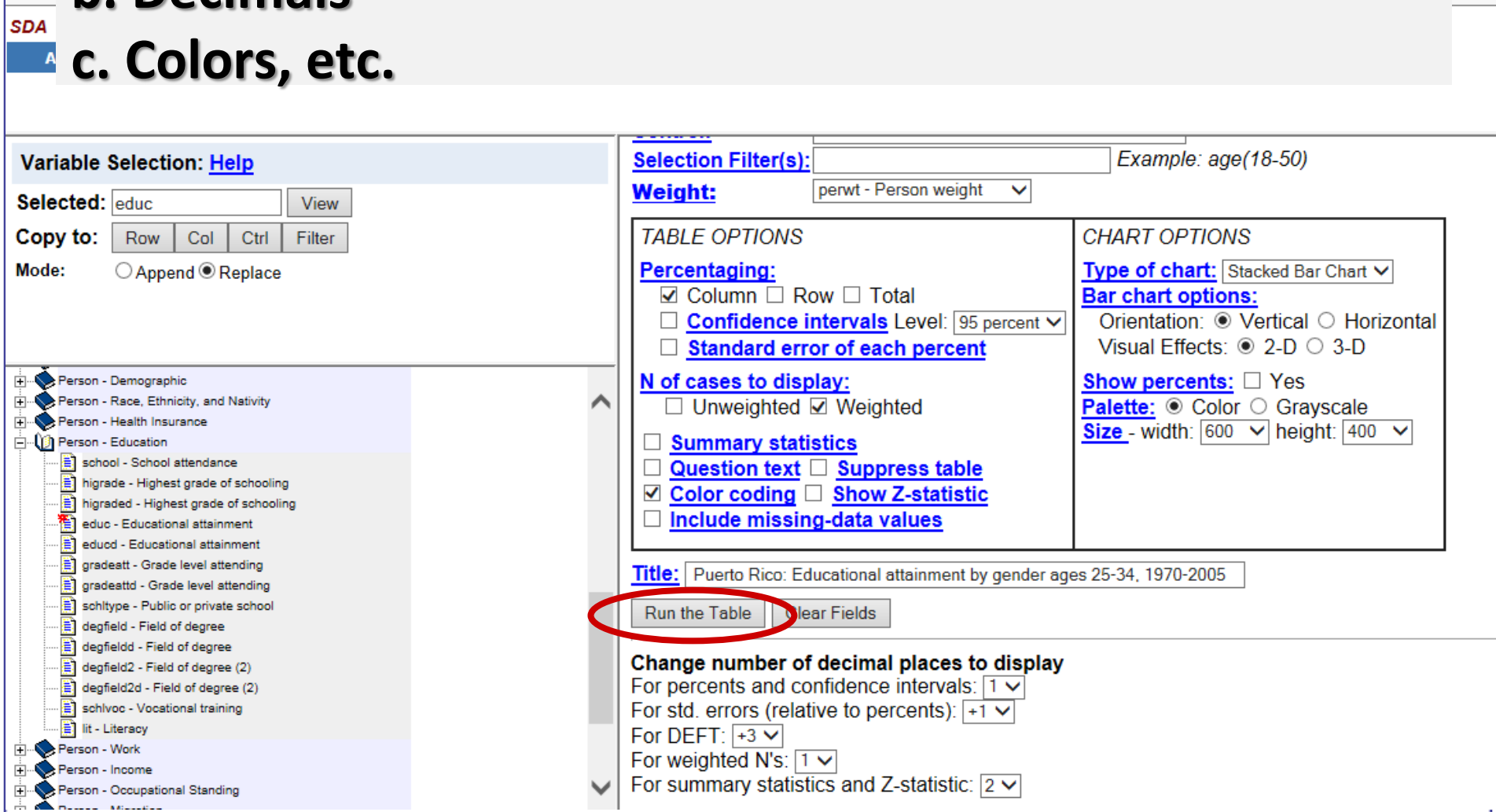


6. Run the table (or select more options first)

a. Title

b. Decimals

c. Colors, etc.



4 seconds later*, the results:

Works on a smartphone—but the small screen is a challenge!

Puerto Ricans in Puerto Rico: Educational attainment by gender ages 25-34

SDA 3.5: Tables

Puerto Rico 1970-2005

May 04, 2013 (Sat 07:15 PM CDT)

Variables					
Role	**Name**	**Label**	**Range**	**MD**	**Dataset**
Row	**edattan**	Educational attainment, international recode	0-4		1
Column	**sample**	IPUMS sample identifier	6301-6305		1
Control	**sex**	Sex	1-2		1
Weight	**wtper**	Person weight	.00-717.00		1
Filter	**age(25-34)**	Age	0-100		1

Statistics for sex = 1(Male)

Cells contain: **-Column percent** -Weighted N	sample					
	6301 Puerto Rico 1970	6302 Puerto Rico 1980	6303 Puerto Rico 1990	6304 Puerto Rico 2000	6305 Puerto Rico 2005	*ROW TOTAL*
1: Less than primary completed	**19.4** 30,600.0	**11.7** 25,340.0	**6.2** 15,168.0	**3.3** 8,494.0	**4.2** 10,883.0	**7.9** *90,485.0*
2: Primary completed	**38.5**	**31.0**	**23.0**	**18.5**	**13.4**	**23.5**

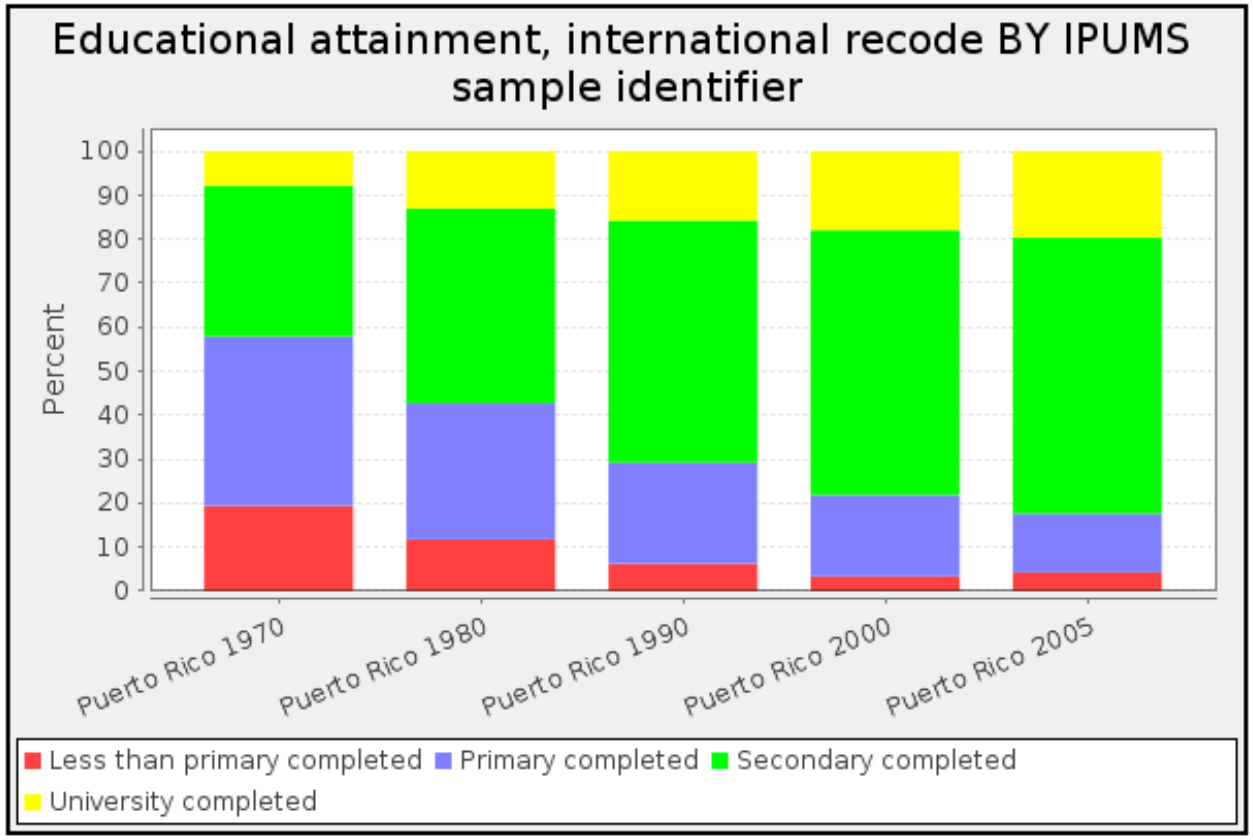
Puerto Rican males ages 25-34: less than primary -

1970 19.4%
1980 11.7
1990 6.2
2000 3.3
2005 4.2

(scroll down for more, including the teaser chart)

The chart (stacked bar—not photoshopped)

Chart for sex = 1(Male)



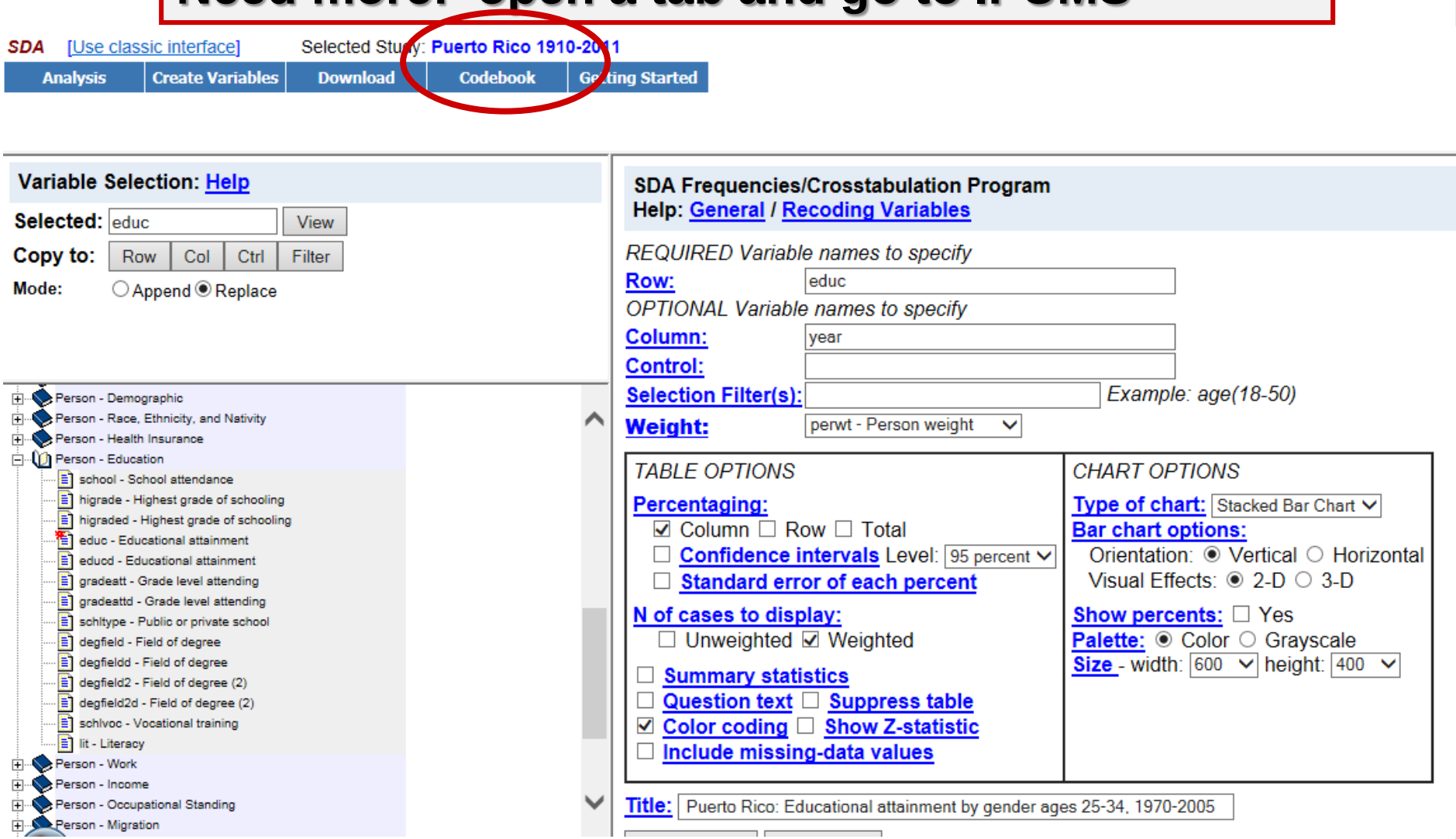
Statistics for sex = 2(Female)

Cells contain: -Column percent	sample			
	6301 Puerto	6302 Puerto	6303 Puerto	6304 Puerto

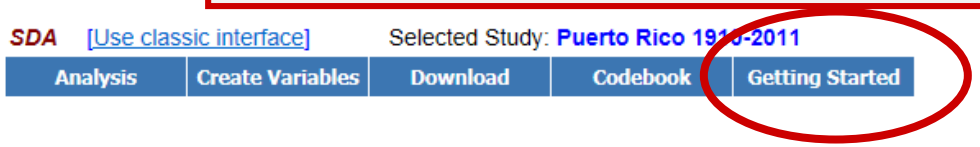
Note the revolution in education over the past 35 years.

Now 80% graduate high school, and 20% college—twice 1970s rates...

Need Metadata?
Click “Codebook” for simple categories
Need more: open a tab and go to IPUMS



Click "Getting Started" for more instructions
Take time to explore…
The tool is so fast, that experimenting is easy.



Variable Selection: Help

Selected: educ View

Copy to: Row Col Ctrl Filter

Mode: Append Replace

- Person - Demographic
- Person - Race, Ethnicity, and Nativity
- Person - Health Insurance
- Person - Education
  - school - School attendance
  - higrade - Highest grade of schooling
  - higraded - Highest grade of schooling
  - educ - Educational attainment
  - educd - Educational attainment
  - gradeatt - Grade level attending
  - gradeattd - Grade level attending
  - schltype - Public or private school
  - degfield - Field of degree
  - degfieldd - Field of degree
  - degfield2 - Field of degree (2)
  - degfield2d - Field of degree (2)
  - schlvoc - Vocational training
  - lit - Literacy
- Person - Work
- Person - Income
- Person - Occupational Standing
- Person - Migration

SDA Frequencies/Crosstabulation Program
Help: General / Recoding Variables

REQUIRED Variable names to specify

Row: educ

OPTIONAL Variable names to specify

Column: year

Control:

Selection Filter(s): *Example: age(18-50)*

Weight: perwt - Person weight

TABLE OPTIONS

Percentaging:
☑ Column ☐ Row ☐ Total
☐ Confidence intervals Level: 95 percent
☐ 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

CHART OPTIONS

Type of chart: Stacked Bar Chart
Bar chart options:
Orientation: Vertical Horizontal
Visual Effects: 2-D 3-D

Show percents: ☐ Yes
Palette: Color Grayscale
Size - width: 600 height: 400

Title: Puerto Rico: Educational attainment by gender ages 25-34, 1970-2005