

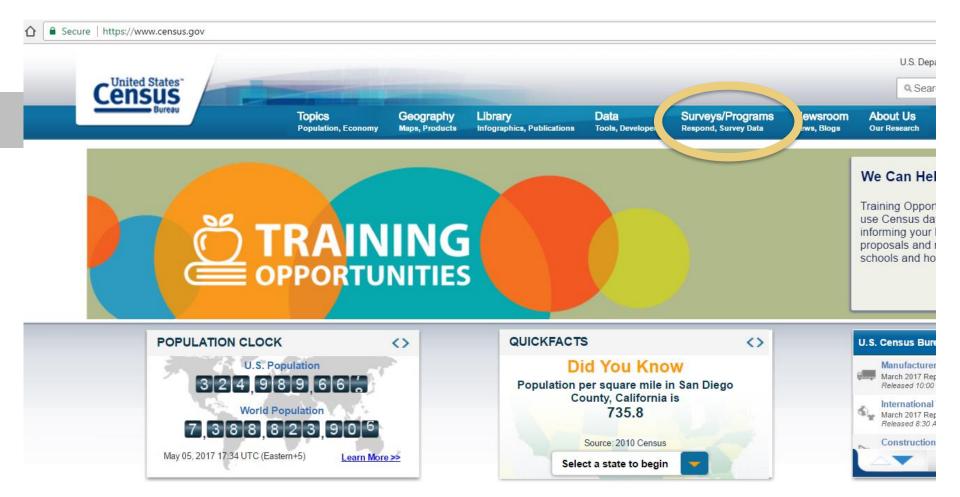
CURRICULUM PUMS Training Part III: Deep Dive

May 16, 2017 • Kansas Health Institute

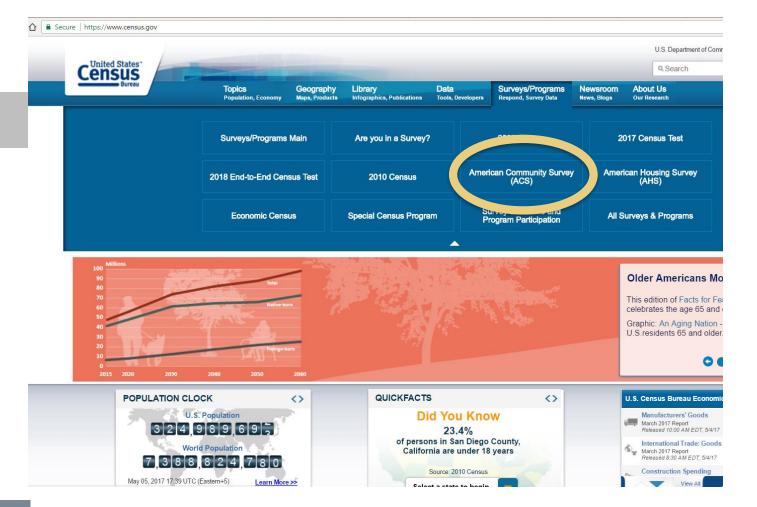
LEARNING OBJECTIVES

- 1. Learn how to access PUMS.
- 2. Identify considerations for using PUMS.
- 3. Understand which tools could be used with PUMS.

- Four steps from Census.gov website:
 - 1. Surveys/Programs (dropdown)
 - 2. American Community Survey (ACS)
 - 3. Data Tools and Tables (bottom of page)
 - 4. PUMS (menu on left side)



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Census.gov > Our Surveys & Programs > American Community Survey (ACS)

American Community Survey (ACS)

About the Survey
Respond to the Survey

News & Updates

Data

Guidance for Data Users

Geography & ACS

Technical

Documentation Methodology

Library

Operations and Administration

Contact Us



The American Community Survey helps local officials, community leaders and businesses understand the changes taking place in their communities. It is the premier source for detailed information about the American people and workforce.









Latest

Data	News	Events	Library	

2016 Data Release

Learn more about upcoming ACS data releases, including the September 14th release of the 2016 ACS 1-year estimates, as well as a preview of Data.census.gov.

2015 ACS 1-Year Supplemental Estimates

Discover 2015 ACS 1-year supplemental estimates. New data is available for geographies with populations of 20,000 or more

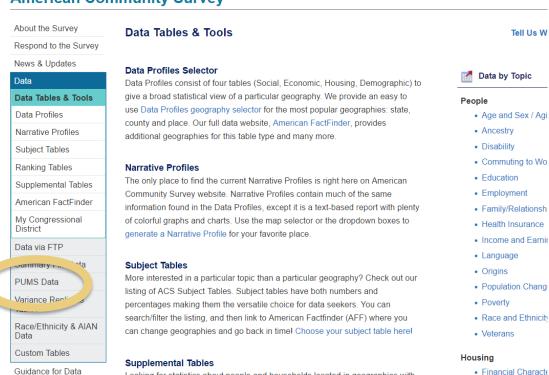
Data Tables and Tools

The ACS provides data tables including Comparison and Selected Population Profiles, and Subject, Detailed, Ranking, and Geographic Comparison Tables.

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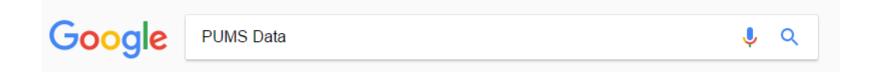


American Community Survey



Looking for statistics about people and households located in geographies with

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NOW WHAT?

- Before you download
 - Considerations:
 - One-year? Multiple years?
 - Do you need Person Level and/or Housing Level?

MULTIPLE YEARS

- When do you need multiple years?
 - Single year data estimates
 - Most timely data; but
 - Sample may be too small to answer your question for area of focus
 - Larger combined file may allow for a larger sample and reliable estimates
 - Trade off: timeliness for reliability

IS THE ESTIMATE RELIABLE?

- How do you determine if the estimate is reliable?
- Coefficient of Variation (COV)
 - Standard Error/Estimate
 - Multiplied by 100 (sometimes)
 - Do not use if greater than 30%

STATISTICAL TOOLS

	SAS	STATA	SPSS	R
Strengths	 Primary tool of Census Can weight estimates Calculate standard errors Better recoding/ variable control 	 Can weight estimates Calculate standard errors Better recoding/ variable control 	 Easy to use (GUI) Can weight estimates Better recoding/ variable control 	 Free Versatile Can weight estimates Calculate standard errors Better recoding/ variable control
Limitations	\$\$\$Some learning curve	\$Some learning curveWorks in memory	\$\$Cannot calculate standard errors	Steep learning curveWorks in memory

OTHER TOOLS

	Excel	<u>DataFerrett</u>	<u>IPUMS</u>
Strengths	 Commonly available Familiarity Easy to learn Can weight estimates 	 No software required Can recode variables and combine years Can merge datasets Weights estimates Select what you want 	 No software required Can recode variables and combine years For more standard users Weights estimates Select what you want
Limitations	 Limited analytical capability Cannot calculate standard errors 	 A lot of features and can be difficult to use Need to know what you are looking for Cannot calculate standard errors 	 Cannot calculate standard errors Cannot save work

SKILLS

Basic

- Excel
- Pivot tables

Advanced

- Research design (method to answer a research question)
- Knowledge of statistics (what test to run)
- Data manipulation skills

Thank you.

ANY QUESTIONS?

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