

Exercise

What is the monthly cost of electricity for homeowners in the state of Hawaii? (Detached single family homes)

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

The screenshot shows the 'Data' section of the U.S. Census Bureau website. The main heading is 'Data Select Data Tools and Apps'. A red box highlights the 'Data' menu item in the navigation bar, which has a red arrow pointing to the 'Data Tools and Apps' sub-menu. The sub-menu includes: Data Tools and Apps, Developers, Mobile Apps, Product Catalog, Related Sites, Software, Training & Workshops, and Visualizations. Below the navigation, there are several widgets: 'Population Clock' showing U.S. and World population counts; 'QuickFacts' with a state selection dropdown; 'U.S. Census Bureau Economic Indicators' showing various reports like 'Advanced Report Durable Goods' and 'New Residential Sales'; 'Latest News' featuring 'Race Reporting Among Hispanics: 2010'; and 'Stat of the Day' with 'Population Estimates'.

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Topics
Population, Economy

Geography
Maps, Data, Resources

Library
Infographics, Publications

Data
Tools, Developers

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Research, Surveys

Data

Data Tools and Apps

Mobile Apps

Product Catalog

Related Sites

Software

Training & Workshops

Visualizations

Data Tools and Apps

Find information using interactive applications to get statistics from multiple surveys.

The American FactFinder

This interactive application provides statistics from the Economic Census, the American Community Survey, and the 2010 Census, among others.

QuickFacts

State and County QuickFacts provides frequently requested Census Bureau information at the national, state, county, and city level.

Census Explorer

Make new discoveries about your neighborhood through the power of American Community Survey statistics and the U.S. Census Bureau's new mapping tool.

Easy Stats

Quick and easy access to selected statistics collected by the U.S. Census Bureau through the American Community Survey.

My Congressional District

Access selected statistics about your Congressional district.

Census Flows Mapper

The Census Flows Mapper is a web mapping application intended to provide users with a simple interface to view, save and print migration flows maps.



2010 Census Interactive Population Map

Use this tool to explore 2010 Census statistics down to the block level, compare your community with others, and embed charts on your web site.

County Business & Demographics Map

Use this interactive map to explore Census data through a mashup of population and economic data.

Economic Database Search and Trend Charts

Easy access to Economic Statistics using drop-down menus. Create tables in ASCII text and spreadsheet format. Display customizable dynamic charts.

Glossary

Simple definitions of key Census Bureau terms.

Censtats

Applications available include: Census Tract Street Locator, County Business Patterns, Zip Business Patterns, International Trade Data, and more.

Online Mapping Tools

Using TIGER and the American FactFinder

US Gazetteer

Place name, and ZIP code search engine.

Business Dynamics Statistics

This tool shows tabulations on establishments, firms, and employment with unique information on firm age and firm size.

Click on DataFerrett

DataFerrett

A tool and data librarian that searches and retrieves data across federal, state and local surveys.

Community Economic Development HotReport

DataFerrett's newest tool provides community and business leaders speedy access to information on counties and the WIRED areas across the U.S.

Local Employment Dynamics

This partnership offers a variety of data tools.

Census 2000 EEO Data Tool

Select levels of geography based on residence or workplace. The estimates present information for various occupation groupings by race and ethnicity and sex.

Direct File Access: Census 2000 datasets

Download datasets.

Direct File Access: Census OUTGOING File Directory (HTTP)

Pickup files from Census Employees.

Access Tools at Other Sites: Integrated Public Use Microdata Series

iPUMS [University of Minnesota]

Launch Data Ferrett

U.S. Department of Commerce

United States Census Bureau

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DataFerrett

DataFerrett is a data analysis and extraction tool to customize federal, state, and local data to suit your requirements. Using DataFerrett, you can develop an unlimited array of customized spreadsheets that are as versatile and complex as your usage demands then turn those spreadsheets into graphs and maps without any additional software.

What you should check before getting started:

- ✓ Java Installed: [Check your version](#) or [Download the latest version](#)
- ✓ Allow Pop-ups
- ✓ Run in IE/Firefox

DATAFERRETT

DataFerrett Home

[Getting Started](#)

[About the Datasets](#)

[User Resources](#)

[FAQs](#)

Support

Call Us Toll Free:
1-866-437-0171
 Mon - Fri 7:30am - 4:30pm(EST)

Email us:
dtd.ferrett@census.gov

betaDataFerrett

Latest enhancements and features highlights:

- Advanced SQL reset button
- One click option to add all variables from a table to the database!

Send feedback to dtd.ferrett@census.gov

In the News

RELEASED: Public Libraries Survey 2011 data

October 2012
 School EnrollmentInternet Use CPS Supplement

July 2013
 Current Population Survey Basic

November 2011
 Civic Engagement CPS Supplement

Measuring America—People, Places, and Our Economy

CAUTION

Do Not Navigate Away or Close This Window While DataFerret is Loading

U.S. Department of Commerce

United States Census Bureau

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DataFerrett - Application Launch Page

DataFerrett - A unique data analysis and extraction tool. [New Features](#)

CAUTION

Do Not:
 Navigate Away or
 Close This Window.
 Doing so will cause
 DataFerrett to QUIT.

If a log-in screen does not appear, click on [Help](#) for more information

Support

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Measuring America—People, Places, and Our Economy

Enter Your Email Address Click Ok

The screenshot shows the DataFerrett application window. At the top, there are menu options: File, Edit, View, Options, Special, Help. Below the menu is a toolbar with icons for Home, Help, and a magnifying glass. The main content area has a navigation bar with buttons for "Introduction", "Step1: Select Dataset & Variable", and "Step2: DataBasket/Download/Make A Table".

The main content area features a central graphic with a ferret and a magnifying glass, with the text "DataFerrett Browser to TheDataWeb". To the left, there is a definition of "data" and a definition of "ferret". Below this is a section titled "About TheDataWeb" with links for "Download Server", "Discussion Group", and "Information sharing".

A "Ferrett Login" dialog box is open in the foreground. It contains the following text:
Email address: jerry.b.wong@census.gov
 public use data only
The email address is used to send large extracts via email, and to inform users of new datasets available if desired. It is NOT used for any other purpose or shared with any organization.
Buttons: Ok, Cancel

Red arrows point to the "Email address" field and the "Ok" button.

Get Data Now

The screenshot shows the DataFerrett application window, similar to the previous one. The navigation bar now highlights "Step2: DataBasket/Download/Make A Table".

The main content area is the same as in the previous screenshot, but with additional links on the right side:
Tutorials
Brand new to using DataFerrett ...
Examples
Sample Analysis and instruction ...
Users' Guide
Handbook on all DataFerrett functionality ...
Kinds of Datasets
Overview different Data Set types and how they behave ...
Datasets Available
Datasets and topics that are available ...

A red arrow points to a blue button labeled "Get Data Now" located at the bottom right of the main content area. The button is highlighted with a red rectangular box.

Select Data Types:

- MicroData
- Aggregate Data
- Longitudinal Data
- Time Series Data

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed; for surveys of organizations, the microdata contain records for each organization.

Refresh Dataset List

Select Dataset(s) to search:

- American Community Survey
 - 3-Year Estimates - Public Use Microdata Sample
 - 3-Year Estimates - Puerto Rico PUMS
 - 5-Year Estimates - Public Use Microdata Sample
 - 5-Year Estimates - Puerto Rico PUMS
 - Public Use Microdata Sample
 - 2011
 - 2010
 - 2009
 - 2008
 - 2007
 - 2006
 - 2005
 - 2004
- Puerto Rico Public Use Microdata Sample
- Summarized Data
- American Housing Survey
- Common Core of Data(Education)
- Consumer Expenditure Survey
- County Business Patterns
- Current Population Survey
- Decennial Census of Population and Housing
- Decennial Public Use Microdata Samples
- Home Mortgage Disclosure Act
- Mortality
- National Ambulatory Medical Care Survey
- National Health and Nutrition Examination Survey
- National Health Interview Survey
- National Hospital Ambulatory Medical Care Survey
- National Survey of Fishing, Hunting, and Wildlife Associated Recreation
- New York City Housing and Vacancy Survey
- Public Libraries Survey
- Small Area Health Insurance Estimates
- Small Area Income and Poverty Estimates
- Social Security Administration
- Survey of Income and Program Participation
- Survey of Program Dynamics

Select American Community Survey

Open PUMS to view years

Select 2012

Click View Variables (drop down)

Click Select All Topics and click Search Variables

DataFerret

File Edit View Options Special Help

Introduction Step 1: Select Dataset & Variable Step 2: Databasket, Search, Micro Data

Select Data Types:

- Microdata
- Aggregate Data
- Longitudinal Data
- Time Series Data

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed; for surveys of organizations, the microdata contain records for each organization.

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 - 2005
 - 2004
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- Summarized Data
- American Housing Survey
- Common Core of Data(Education)
- Consumer Expenditure Survey
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- Current Population Survey
- Decennial Census of Population and Housing
- Decennial Public Use Microdata Samples
- Home Mortgage Disclosure Act
- Mortality
- National Ambulatory Medical Care Survey
- National Health and Nutrition Examination Survey
- National Health Interview Survey
- National Hospital Ambulatory Medical Care Survey
- National Survey of Fishing, Hunting, and Wildlife Associated Recreation
- New York City Housing and Vacancy Survey
- Public Libraries Survey
- Small Area Health Insurance Estimates
- Small Area Income and Poverty Estimates
- Social Security Administration
- Survey of Income and Program Participation
- Survey of Program Dynamics

Variable Labels Names Topics Question Text Values

match ANY word match ALL words

Search

Highlight the variables you are interested in:

0 Variables returned from search. 0 variables selected in Databasket.

- Housing
- Selectable Geographies
- Population
- Replicate Weights
- Geographic Entities

The variables required for this exercise include:
Housing BLD – Units in Structure
Housing ELEP – Electricity
Housing TEN - Tenure
 In selecting variables, you would click on “Name” to view an A-Z listing of the variables in this name column, however...

The screenshot shows the DataTool interface with search results for 'Housing' variables. The 'Name' column is highlighted with a red box and arrow. The search results table is as follows:

Topic	Name	Availability	Variable Label
Housing	ACR	2006	current Lot size
Housing	ADJHSG	2012	current Adjustment factor for housing dollar amounts (6 implied decimal places)
Physicians	SEYHSC	2012	current Adjustment factor for income and earnings: labor market (6 implied decimal places)
Population	AGEP	2006	current Age
Housing	AGS	2006	current Sales of Agriculture Products (Yearly sales)
Population	ANCP	2006	current Ancestry categorization
Population	ANCLP	2012	current Ancestry - first entry
Population	ANCLP	2012	current Ancestry - second entry
Housing	BATH	2006	current Bathroom or shower
Housing	BOSP	2006	current Number of bedrooms
Housing	BLD	2006	current Units in structure
Housing	BUS	2006	current Business on property
Population	CITWIP	2012	current Year of naturalization written
Population	CITWIP	2010	current Condo fee (monthly amount)
Population	COW	2006	current Class of worker
Population	DWAS	2006	current Difficulty dressing
Population	DEAR	2006	current Hearing difficulty
Population	DECAN	2006	current Years of entry
Population	DEFE	2006	current Education difficulty
Population	DIS	2006	current Disability records
Population	DISIT	2006	current Independent living difficulty
Population	DPHY	2006	current Physical difficulty
Population	DRAT	2009	current Veteran service connected disability rating (per centage)
Population	DRATS	2006	current Veteran service connected disability rating (checkboxes)
Population	GREEN	2006	current Difficulty remembering
Population	DRIVER	2006	current Number of vehicles calculated from SMSA
Housing	ELEP	2006	current Electricity (monthly cost)
Population	ENR	2006	current English ability
Population	ESP	2006	current Employment status of parents
Population	ESR	2006	current Employment status records
Population	FES	2012	current Live birth to child within the past 12 months
Housing	FES	2006	current Family type and employment status
Population	FINHSP	2009	current Medicare coverage given through the eligibility coverage rule
Population	FINHSC	2009	current Medicaid coverage given through the eligibility coverage rule

Since all the variables are **Housing** variables, you can click on “Topic” to view an A-Z listing of all the Housing variables in the “Topic” column

The screenshot shows the DataTool interface with search results for 'Housing' variables. The 'Topic' column is highlighted with a red box and arrow. The search results table is as follows:

Topic	Name	Availability	Variable Label
Geographic Entities	RT	2006	current Record type
Housing	ACR	2006	current Lot size
Housing	ADJHSG	2012	current Adjustment factor for housing dollar amounts (6 implied decimal places)
Housing	AGS	2006	current Sales of Agriculture Products (Yearly sales)
Housing	BATH	2006	current Bathroom or shower
Housing	BOSP	2006	current Number of bedrooms
Housing	BLD	2006	current Units in structure
Housing	BUS	2006	current Business on property
Housing	CONP	2010	current Condo fee (monthly amount)
Housing	ELEP	2006	current Electricity (monthly cost)
Housing	FES	2006	current Family type and employment status
Housing	FINCP	2008	current Family income (past 12 months)
Housing	FPARC	2006	current Presence, age of related children
Housing	FS	2008	current Yearly Food stamp/Supplemental Nutrition Assistance Program reciprocity
Housing	FULP	2006	current Fuel cost (yearly cost for fuels other than gas and electricity)
Housing	GASP	2006	current Gas (monthly cost)
Housing	GRNTP	2006	current Gross rent (monthly amount)
Housing	GRPIP	2006	current Gross rent as a percentage of household income past 12 months
Housing	HFL	2006	current Type of fuel
Housing	HHL	2006	current Household language
Housing	HHT	2006	current Household/family type
Housing	HINCP	2008	current Household income (past 12 months)
Housing	LMCC	2006	current Household with dependent living with grandchild

Select BLD, hold control button down and select ELEP and TEN
Click Browse/Select Highlighted Variables (blue) Button

366 Variables returned from search. 0 variables selected in DataBasket.

Topic	Name	Availability	Variable Label
Geographic Entities	RT	2006 - current	Record type
Housing	ACR	2006 - current	Lot size
Housing	ADJHSG	2012 - current	Adjustment Factor for housing dollar amounts (6 implied decimal places)
Housing	AGS	2006 - current	Sales of Agriculture Products (Yearly sales)
Housing	BATH	2006 - current	Bath tub or shower
Housing	BDSP	2006 - current	Number of bedrooms
Housing	BLD	2006 - current	Units in structure
Housing	BPB	2006 - current	Business on property
Housing	CCRM	2010 - current	Credit card fees (monthly amount)
Housing	ELEP	2006 - current	Electricity (monthly cost)
Housing	FES	2006 - current	Family type and employment status
Housing	FINCP	2006 - current	Family income (past 12 months)
Housing	FIPARC	2006 - current	Presence, age of related children
Housing	FS	2006 - current	Yearly food stamp/Supplemental Nutrition Assistance Program reciprocity
Housing	FULP	2006 - current	Fuel cost (yearly cost for fuels other than gas and electricity)
Housing	GASP	2006 - current	Gas (monthly cost)
Housing	GRNTP	2006 - current	Gross rent (monthly amount)
Housing	GRPIP	2006 - current	Gross rent as a percentage of household income past 12 months
Housing	HFL	2006 - current	Type of fuel
Housing	HHL	2006 - current	Household language
Housing	HHT	2006 - current	Household/family type
Housing	HINCP	2006 - current	Household income (past 12 months)

Check Select BLD Units in structure

Click Deselect all values button to clear all values

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Check One-family house detached

Highlight ELEP Electricity variable Check Select ELEP Electricity

United States Census Bureau | U.S. Department of Commerce, Economics and Statistics Administration, U.S. CENSUS BUREAU, census.gov

Click Deselect all values button to clear all values Then Check \$3 to \$999

Highlight TEN Tenure variable Check Select TEN Tenure

United States Census Bureau | U.S. Department of Commerce, Economics and Statistics Administration, U.S. CENSUS BUREAU, census.gov

Click Deselect all values button to clear all values

Check Owned with mortgage and Owned Free and Clear Click OK button

United States Census Bureau | U.S. Department of Commerce, Economics and Statistics Administration | U.S. CENSUS BUREAU | census.gov

You have added 3 variables to your Databasket Click OK

Select Geography Click Browse/Select Highlighted Variables (blue) Button

You have added 3 variables to your Databasket
Click OK

Select Geography
Click Browse/Select Highlighted Variables (blue) Button

The screenshot shows a software window titled "Browse/Select Variables & Values". On the left, a list of variables is shown, with three highlighted in blue. A confirmation dialog box is open in the center, with a red box around it and a red arrow pointing to the "OK" button. The dialog says "You have added 3 variables to your Databasket." To the right, another window titled "Select Geography" is visible, showing a list of variables with a blue button labeled "Browse/Select Highlighted Variables" highlighted with a red box. A red arrow points to this button.

Double click on State
In Hierarchies: Highlight State of Current Residence
Click Use Hierarchy

The screenshot shows a window titled "Browse/Select Geographies" with a sub-header "Ferrett Geography Codebook". On the left, under "Types of geography available:", the "State" option is highlighted with a red arrow. On the right, under "Hierarchies:", the path "State of current residence > Public use microdata area code (PUMA) based on 2010 Census" is highlighted with a red arrow. At the bottom, the "Use Hierarchy" button is highlighted with a red box and a red arrow.

Highlight Hawaii and Drag to Selected Geographies Areas Box Click on Finish

Home >> State of current residence

Select State of current residence

Select All

Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
Search:

State of current residence(s) to drop into.

Clear All Delete Selection

Please drag wanted geographies to "Selected Geographies" panel to the right.

Selected Geographic Areas: 1 State of current residence(s) added.

FIPS State Code Count: 1

Hawaii

Search Previous Level Next Level Cancel Delete Selection Clear All **Finish**

You Are Now Ready to Create a Table Click Step 2: Databasket/Download/Make A Table

DataFerrett

File Edit View Options Special Help

Introduction Step 1: Select Dataset & Variable **Step 2: Databasket/Download/Make A Table**

Select Data Types:

MicroData
 Aggregate Data
 Longitudinal Data
 Time Series Data

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed, for surveys of organizations, the microdata contain records for each organization.

Variable Labels Names Topics Question Text Values

match ANY word match ALL words Search

Select Dataset(s) to search:

American Community Survey
Public Use Microdata S...

366 Variables returned from search, 4 variables selected in Databasket.

Topic	Name	Availability	Variable Label
Replicate Weights	WGTP62	2006 - current	62nd PUMS Housing Replicate Weight
Replicate Weights	WGTP63	2006 - current	63rd PUMS Housing Replicate Weight
Replicate Weights	WGTP64	2006 - current	64th PUMS Housing Replicate Weight
Replicate Weights	WGTP65	2006 - current	65th PUMS Housing Replicate Weight
Replicate Weights	WGTP66	2006 - current	66th PUMS Housing Replicate Weight
Replicate Weights	WGTP67	2006 - current	67th PUMS Housing Replicate Weight
Replicate Weights	WGTP68	2006 - current	68th PUMS Housing Replicate Weight
Replicate Weights	WGTP69	2006 - current	69th PUMS Housing Replicate Weight
Replicate Weights	WGTP70	2006 - current	70th PUMS Housing Replicate Weight
Replicate Weights	WGTP71	2006 - current	71st PUMS Housing Replicate Weight
Replicate Weights	WGTP72	2006 - current	72nd PUMS Housing Replicate Weight
Replicate Weights	WGTP73	2006 - current	73rd PUMS Housing Replicate Weight
Replicate Weights	WGTP74	2006 - current	74th PUMS Housing Replicate Weight
Replicate Weights	WGTP75	2006 - current	75th PUMS Housing Replicate Weight

Click Make A Table

Review your variables then go back to select more variables or go on to get data

Current Query Variables from ACS (Public Use Microdata Sample):

Name	Variable Label	Availability
BLD	Units in structure	2006 - current
ELEP	Electricity (monthly cost)	2006 - current
TEN	Tenure	2006 - current
CEOG-101	FIPS State Code	2006 - current

Act on Your Query:

- Recode Variable
- Delete Variable(s)
- View/Modify Variable(s)
- Advanced Sql Option
- Change Longitudinal Period
- Add TimeSeries Time
- Merge Datasets
- Save Selected Variable(s) CodeBook
- Create Multi-Variable Data Step

Click OK

Review your variables then go back to select more variables or go on to get data

Current Query Variables from ACS (Public Use Microdata Sample):

Name	Variable Label	Availability
BLD	Units in structure	2006 - current
ELEP	Electricity (monthly cost)	2006 - current
TEN	Tenure	2006 - current
CEOG-101	FIPS State Code	2006 - current
WGTP	Housing Weight	2006 - current

Ferrett Tab Message

Making a Table

1. Click and highlight to select variable.
2. Hold mouse key to turn cursor into a hand, then drag selected variable to Column 1 or Row 1 on spreadsheet. You can type over any value labels in order to make them more readable.
3. Click on GO on the toolbar to get data results.

For FormJae and other advanced spreadsheet functionality see Help, Contents in menu bar

OK

Highlight Variables and Drag to Spread Sheet Cells

The screenshot shows the Ferrett Tabulation interface. The menu bar includes File, Edit, Format, View, Options, and Help. The toolbar contains icons for various functions. The Formula Bar is empty. The Pivot(s) area shows a message: "Pivot(s) can be dropped on pivot image above R1." The spreadsheet grid has columns C1 through C22 and rows R1 through R10. A red box highlights the variable list on the right side of the interface, which includes:

- R/D Units in structure
- Average ELP Electricity (monthly cost)
- TEN Tenure
- GEOG-101 FIPS State Code

Highlight Average ELP Electricity and Drag to R2/C1

The screenshot shows the Ferrett Tabulation interface. The menu bar includes File, Edit, Format, View, Options, and Help. The toolbar contains icons for various functions, including a "GO Get Data" button. The Formula Bar is empty. The Pivot(s) area shows a message: "Pivot(s) can be dropped on pivot image above R1." The spreadsheet grid has columns C1 through C22 and rows R1 through R13. A red box highlights the variable list on the right side of the interface, which includes:

- R/D Units in structure
- Average ELP Electricity (monthly cost)
- TEN Tenure
- GEOG-101 FIPS State Code

A red arrow points from the highlighted "Average ELP Electricity (monthly cost)" variable to cell R2/C1 in the spreadsheet. The data in the spreadsheet is as follows:

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22
R1																						
R2	Total ELP	0																				
R3	Average ELP	???????																				
R4	Std Err ELP	???????																				
R5																						
R6																						
R7																						
R8																						
R9																						
R10																						
R11																						
R12																						
R13																						

Highlight BLD Units in Structure and Drag to C2/R1

The screenshot shows the Ferrett Tabulation interface. The pivot table is set up with the following data:

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19
R1		Total BLD One-family house detached																	
R2	Total ELEP	?			?														
R3	Average ELEP	?????.?			?????.?														
R4	Std Err ELEP	?????.??			?????.??														
R7																			
R8																			
R9																			
R10																			
R11																			
R12																			
R13																			

The 'BLD Units in structure' field is highlighted in the field list on the right, and a red arrow points from it to cell C2/R1.

Highlight TEN Tenure and Drag into R2/C1 to *Nest* Variable

The screenshot shows the Ferrett Tabulation interface. The pivot table is set up with the following data:

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19
R1		Total BLD One-family house detached																	
R2	Total ELEP	?			?														
R3	Average ELEP	?????.?			?????.?														
R4	Std Err ELEP	?????.??			?????.??														
R7																			
R8																			
R9																			
R10																			
R11																			
R12																			
R13																			

The 'TEN Tenure' field is highlighted in the field list on the right, and a red arrow points from it to cell R2/C1.

Tenure is now Nested Within Electricity
 (note: you do not have to use Geog-FIPS State Code variable)
Click GO Get Data

Pivot(s) can be dropped on pivot image above R1.

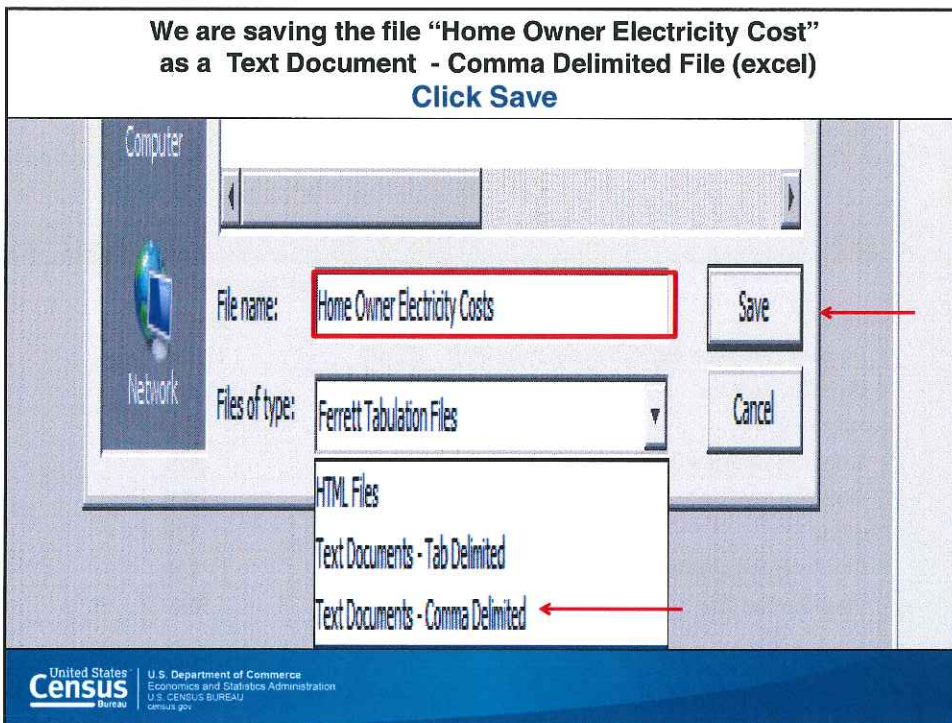
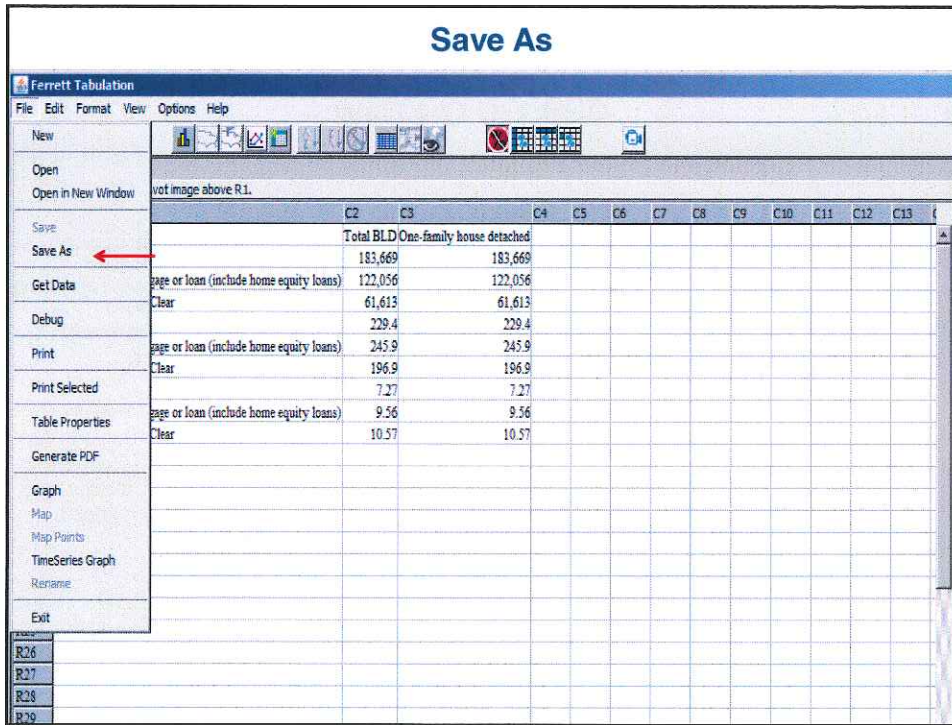
	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13
R1		Total BLD One-family house detached											
R2	Total ELEP	?		?									
R3	Owned with mortgage or loan (include home equity loans)	?		?									
R4	Owned Free And Clear	?		?									
R5	Average ELEP	?????.?		?????.?									
R6	Owned with mortgage or loan (include home equity loans)	?????.?		?????.?									
R7	Owned Free And Clear	?????.?		?????.?									
R8	Std Err ELEP	?????.?		?????.?									
R9	Owned with mortgage or loan (include home equity loans)	?????.?		?????.?									
R10	Owned Free And Clear	?????.?		?????.?									
R17													
R18													
R19													
R20													

BLD Units in structure
 Average ELEP Electricity (monthly cost)
 TEN Tenure
 GEOG-101 FIPS State Code

you do not have to use Geog-FIPS State Code variable

Pivot(s) can be dropped on pivot image above R1.

	C1	C2	C3	C4	C5	C6
R1		Total BLD One-family house detached				
R2	Total ELEP	183,669		183,669		
R3	Owned with mortgage or loan (include home equity loans)	122,056		122,056		
R4	Owned Free And Clear	61,613		61,613		
R5	Average ELEP	229.4		229.4		
R6	Owned with mortgage or loan (include home equity loans)	245.9		245.9		
R7	Owned Free And Clear	196.9		196.9		
R8	Std Err ELEP	7.27		7.27		
R9	Owned with mortgage or loan (include home equity loans)	9.56		9.56		
R10	Owned Free And Clear	10.57		10.57		
R17						
R18						
R19						



	A	B	C	D
1		Total BLD	One-family house detached	
2	Total ELEP	183669	183669	
3	Owned with mortgage or loan (include home equity loans)	122056	122056	
4	Owned Free And Clear	61613	61613	
5	Average ELEP	229.4	229.4	
6	Owned with mortgage or loan (include home equity loans)	245.9	245.9	
7	Owned Free And Clear	196.9	196.9	
8				
9	Std Err ELEP	7.27	7.27	
10	Owned with mortgage or loan (include home equity loans)	9.56	9.56	
11	Owned Free And Clear	10.57	10.57	
12				
13				

Exercise

What is the number of people who have lived in Hawaii for less than 1 year who speak Tagalog at home in 2012 and for each of the 4 previous years?

Launch DataFerrett

Select Data Types:

- MicroData
- Aggregate Data
- Longitudinal Data
- Time Series Data

Refresh Dataset List

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed; for surveys of organizations, the microdata contain records for each organization.

Select Dataset(s) to search:

- American Community Survey
- 3-Year Estimates - Public Use Microdata Sample
- 3-Year Estimates - Puerto Rico PUMS
- 5-Year Estimates - Public Use Microdata Sample
- 5-Year Estimates - Puerto Rico PUMS
- Public Use Microdata Sample
 - 2012
 - Description
 - View Variables
 - 2011
 - 2010
 - 2009
 - 2008
 - 2007
 - 2006
 - 2005
 - 2004
- Puerto Rico Public Use Microdata Sample
- Summarized Data
- American Housing Survey
- Common Core of Data(Education)
- Consumer Expenditure Survey
- County Business Patterns
- Current Population Survey
- Decennial Census of Population and Housing
- Decennial Public Use Microdata Samples
- Home Mortgage Disclosure Act
- Mortality
- National Ambulatory Medical Care Survey
- National Health and Nutrition Examination Survey
- National Health Interview Survey
- National Hospital Ambulatory Medical Care Survey
- National Survey of Fishing, Hunting, and Wildlife Associated Recreation
- New York City Housing and Vacancy Survey
- Public Libraries Survey
- Small Area Health Insurance Estimates
- Small Area Income and Poverty Estimates
- Social Security Administration
- Survey of Income and Program Participation
- Survey of Program Dynamics

Double Click on American Community Survey

Open PUMS to view years

Select 2012

Click View Variables (drop down)

Click Select All Topics and click Search Variables

File Edit View Options Special Help

Introduction Step 1: Select Dataset & Variable Step 2: Subdataset, Download, Merge & Table

Select Data Types:

- Microdata
- Aggregate Data
- Longitudinal Data
- Time Series Data

Refresh Dataset List

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed; for surveys of organizations, the microdata contain records for each organization.

Variable Labels Names Topics Question Text Values

match ANY word match ALL words Search

Highlight the variables you are interested in

0 Variables returned from search. 0 variables selected in Databank.

Unselect All Topics

- Housing
- Selectable Geographies
- Population
- Replicate Weights
- Geographic Entities

Search Variables

The variables required for this exercise include:
Population LANP – Language Spoken at Home
Population NATIVITY – Nativity
Population YOEP – Year of Entry
 In selecting variables, click on “Name” to view an A-Z listing of the variables in this name column.

365 Variables returned from search. 0 variables selected in DataBasket.

Topic	Name	Availability	Variable Label
Housing	ACR	2008 - current	Lot size
Housing	ADJUSTB	2012 - current	Adjustment Factor for housing dollar amounts (6 rounded decimal places)
Population	ADJUSTC	2012 - current	Adjustment Factor for income and earnings dollar amounts (6 rounded decimal places)
Population	AGEP	2006 - current	Age
Housing	AGEC	2006 - current	Age of Agriculture Producer (Yearly sales)
Population	ANAC	2008 - current	Year of naturalization
Population	ANACH	2012 - current	Recorded Detailed Ancestry - first entry
Population	ANACH2	2012 - current	Recorded Detailed Ancestry - second entry
Housing	BATH	2008 - current	Bath or shower
Housing	BECP	2008 - current	Number of bedrooms
Housing	BLD	2008 - current	Lot in structure
Housing	BLS	2008 - current	Structure on property
Population	CTI	2008 - current	Citizenship status
Population	CHVIT	2012 - current	Year of naturalization written
Housing	COAP	2012 - current	Carap (as of 2007 survey)
Population	COW	2006 - current	Class of worker
Population	CSGS	2008 - current	Difficulty seeing
Population	DEAR	2008 - current	Hearing difficulty
Population	DECAIE	2008 - current	Degree of entry
Population	DEVE	2008 - current	Vision difficulty
Population	DIS	2008 - current	Disability records
Population	DISLIT	2008 - current	Independent living difficulty
Population	DPHY	2008 - current	Physical difficulty
Population	DRATZ	2008 - current	Interaction service connected disability rating (percentage)
Population	DRATZ	2008 - current	Interaction service connected disability rating (checkboxes)
Population	DRSN	2008 - current	Disability respondent
Population	DRVEMP	2008 - current	Number of vehicles calculated from JWHI
Housing	ELDP	2006 - current	Electricity (monthly cost)
Population	ENIC	2008 - current	English ability
Population	ESP	2008 - current	Employment status of parents
Population	ESR	2008 - current	Employment status recode
Housing	FEB	2012 - current	Feasible birth to child within the past 12 months
Housing	FEB	2009 - current	Family type and employment status
Population	FERSDC	2009 - current	Medicaid coverage given through the disability coverage edit
Population	FERSDC	2009 - current	Medicaid coverage given through the disability coverage edit

Select LANP, hold control button down and select NATIVITY and YOEP
 Click Browse/Select Highlighted Variables (blue) Button

365 Variables returned from search. 0 variables selected in DataBasket.

Topic	Name	Availability	Variable Label
Population	LANP	2006 - current	Language Spoken at Home
Population	NATIVITY	2006 - current	Nativity
Population	YOEP	2012 - current	Year of entry

LANP - Language Spoken at Home
NATIVITY - Nativity
YOEP - Year of Entry

Check Select ACS LANP Click Deselect all Values

Browse/Select Variables & Values

Your highlighted variables:

- ACS LANP (2012 -) Language spoken at home
- ACS NATIVITY (2006 -) Nativity
- ACS YOEP (2012 -) Year of entry

Select ALL Variables

Select ACS LANP Language spoken at home

Language spoken at home
Note: Changes were made to this variable between 2011 and 2012.
See the applicable data dictionaries and code lists at:
http://www.census.gov/acs/www/data_documentation/pums_documentation/

- 600) N/A (less than 5 years old/speaks only English)
- 601) JAMAICAN CREOLE
- 602) KRIO
- 607) GERMAN
- 608) PENNSYLVANIA DUTCH
- 609) YIDDISH
- 610) DUTCH
- 611) AFRIKAANS
- 614) SWEDISH
- 615) DANISH
- 616) NORWEGIAN

Additional Metadata Tags here

Check Tagalog Highlight ACS NATIVITY

Browse/Select Variables & Values

Your highlighted variables:

- ACS LANP (2012 -) Language spoken at home
- ACS NATIVITY (2006 -) Nativity
- ACS YOEP (2012 -) Year of entry

Select ALL Variables

Select ACS LANP Language spoken at home

Language spoken at home
Note: Changes were made to this variable between 2011 and 2012.
See the applicable data dictionaries and code lists at:
http://www.census.gov/acs/www/data_documentation/pums_documentation/

- 725) Laotian
- 726) Mon-Khmer, Cambodian
- 728) Vietnamese
- 732) Indonesian
- 739) Malay
- 743) Tagalog
- 743) Bisayah
- 744) Sebuano
- 746) Ilocano
- 750) Micronesian

Additional Metadata Tags here

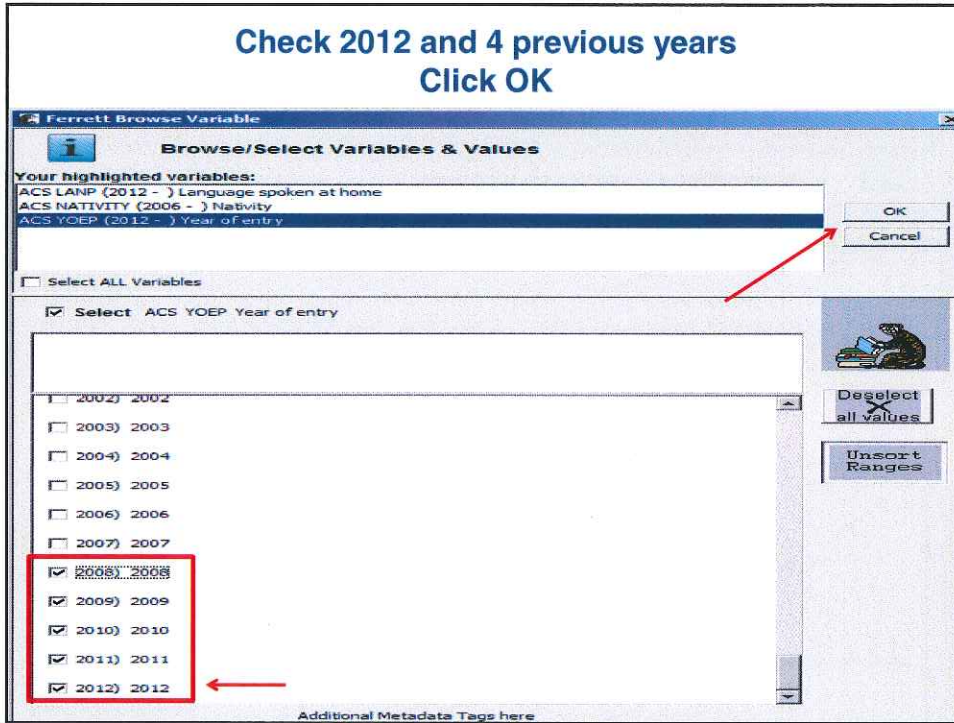
Check Select ACS NATIVITY Uncheck Native Highlight ACS YOEP

The screenshot shows the 'Ferrett Browse Variable' dialog box with the title 'Browse/Select Variables & Values'. Under 'Your highlighted variables:', 'ACS NATIVITY (2006 -) Nativity' is selected and highlighted in blue. A red arrow points to this entry. Below, under 'Select ALL Variables', the 'Select' checkbox for 'ACS NATIVITY Nativity' is checked and enclosed in a red box. Underneath, the '1) Native' checkbox is checked, with a red arrow pointing to it and the text 'Uncheck Native' next to it. The '2) Foreign born' checkbox is also checked. On the right side, there are buttons for 'OK', 'Cancel', 'Deselect all values', and 'Unsort Ranges'.

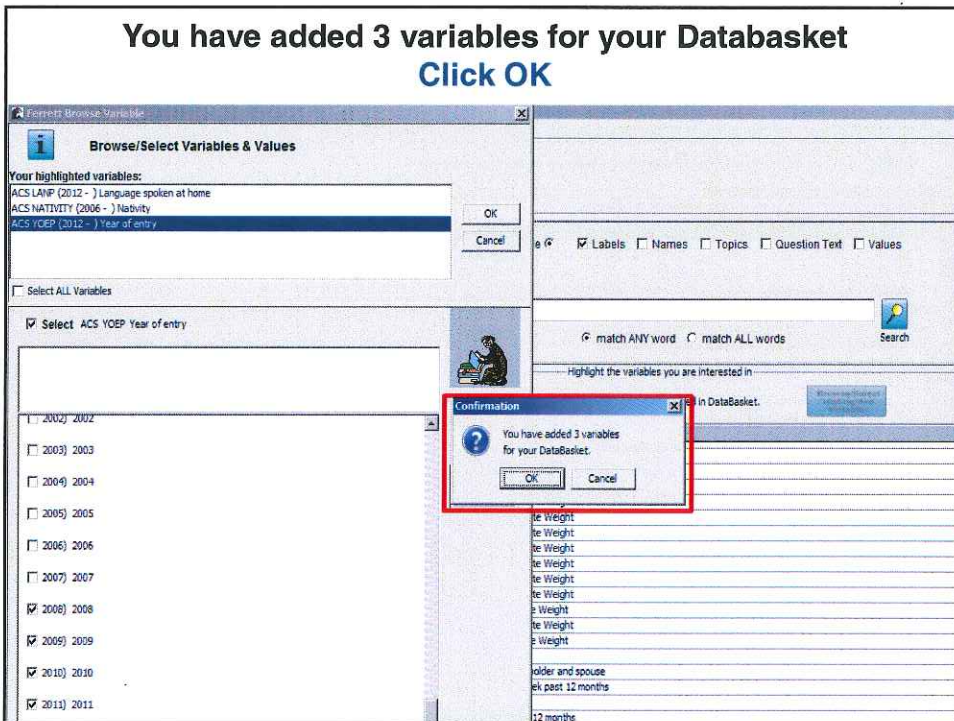
Check Select ACS YOEP Year of Entry then Click Deselect all values

The screenshot shows the 'Ferrett Browse Variable' dialog box with the title 'Browse/Select Variables & Values'. Under 'Your highlighted variables:', 'ACS YOEP (2012 -) Year of entry' is selected and highlighted in blue. A red arrow points to this entry. Below, under 'Select ALL Variables', the 'Select' checkbox for 'ACS YOEP Year of entry' is checked and enclosed in a red box. Underneath, a list of year ranges is shown, all with checked boxes: '1920) Not eligible - Born in the US', '1921) 1921 or earlier (Bottom-coded)', '1922) 1922 - 1923', '1924) 1924 - 1925', '1926) 1926 - 1927', '1928) 1928 - 1929', '1930) 1930 & vs 1931', '1932) 1932 - 1934', '1935) 1935 - 1936', '1937) 1937 - 1938', and '1939) 1939'. A red arrow points to the 'Deselect all values' button on the right side. At the bottom, there is a label 'Additional Metadata Tags here'.

Check 2012 and 4 previous years
Click OK



You have added 3 variables for your Databasket
Click OK



Select Geography Click Browse/Select Highlighted Variables (blue) Button

The screenshot shows the DataFerrett application window. At the top, there are navigation tabs: "Introduction", "Step 1: Select Dataset & Variable", and "Step 2: DataBasket/Download/Make A Table". Below the tabs, there are sections for "Select Data Types" (Microdata, Aggregate Data, Longitudinal Data, Time Series Data) and "Refresh Dataset List". A search bar is present with options for "match ANY word" and "match ALL words". Below the search bar, a table lists 366 variables returned from a search. The table has columns for Topic, Name, Availability, and Variable Label. A blue button labeled "Browse/Select Highlighted Variables" is visible in the top right corner of the results area.

Topic	Name	Availability	Variable Label
Housing	GASP	2006	current Gas (monthly cost)
Population	GCL	2006	current Grandparents living with grandchildren
Population	GCM	2006	current Length of time responsible for grandchildren
Population	GCR	2008	current Grandparents responsible for grandchildren
Housing	GRHP	2006	current Gross rent (monthly amount)
Housing	GRSP	2006	current Gross rent as a percentage of household income past 12 months
Selectable Geographies (geography)			
Housing	HFL	2006	current Type of fuel
Housing	HHL	2006	current Household language
Housing	HHT	2006	current Household/family type
Population	HICOV	2008	current Health insurance coverage recode
Housing	HINCP	2008	current Household income (past 12 months)
Population	HINS1	2008	current Insurance through a current or former employer or union
Population	HINS2	2008	current Insurance purchased directly from an insurance company
Population	HINS3	2008	current Medicare, for people 65 and older, or people with certain disabilities
Population	HINS4	2008	current Medicaid, Medical Assistance, or any kind of government-assistance plan for those with low incomes
Population	HINS5	2008	current TRICARE or other military health care
Population	HINS6	2008	current VA (including those who have ever used or enrolled for VA health care)
Population	HINS7	2008	current Indian Health Service
Population	HISP	2006	current Hispanic recode
Housing	HJGCL	2006	current Household with grandparent living with grandchildren
Housing	HJFAC	2006	current Household presence and age of children

Double click on State In Hierarchies: Highlight State of Current Residence Click Use Hierarchy

The screenshot shows the Ferrett Geography Codebook application window. It features a "Browse/Select Geographies" section on the left with a tree view of geography types: "Division", "Public Use Microdata Area", "Region", and "State". A red arrow points to the "State" level. On the right, the "Hierarchies" section shows a breadcrumb trail: "State of current residence > Public use microdata area code (PUMA) based on 2010 Census". A red arrow points to the "State of current residence" part of the trail. At the bottom, there are "Search", "Use Hierarchy", and "Cancel" buttons. The "Use Hierarchy" button is highlighted with a red box and a red arrow.

Highlight Hawaii and Drag to Selected Geographies Areas Box Click on Finish

Home >> State of current residence

Select State of current residence

Select All

- Alabama
- Alaska
- Arizona
- Arkansas
- California
- Colorado
- Connecticut
- Delaware
- District of Columbia
- Florida
- Georgia
- Hawaii**
- Idaho
- Illinois
- Indiana
- Iowa
- Kansas
- Kentucky
- Louisiana
- Maine
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Mississippi
- Missouri
- Montana
- Nebraska
- Nevada
- New Hampshire
- Search

State of current residence(s) to drop into.

Clear All Delete Selection

Please drag wanted geographies to "Selected Geographies" panel to the right.

Selected Geographic Areas: 1 State of current residence(s) added.

FIPS State Code Count: 1

Hawaii

Search Previous Level Next Level Cancel Delete Selection Clear All Finish

You Are Now Ready to Create a Table Click Step 2: Databasket/Download/Make A Table

DataFerrett

File Edit View Options Special Help

Introduction Step1: Select Dataset & Variables **Step2: Databasket/Download/Make A Table**

Select Data Types:

- Micro Data
- Aggregate Data
- Longitudinal Data
- Time Series Data

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed. For surveys of organizations, the microdata contain records for each organization.

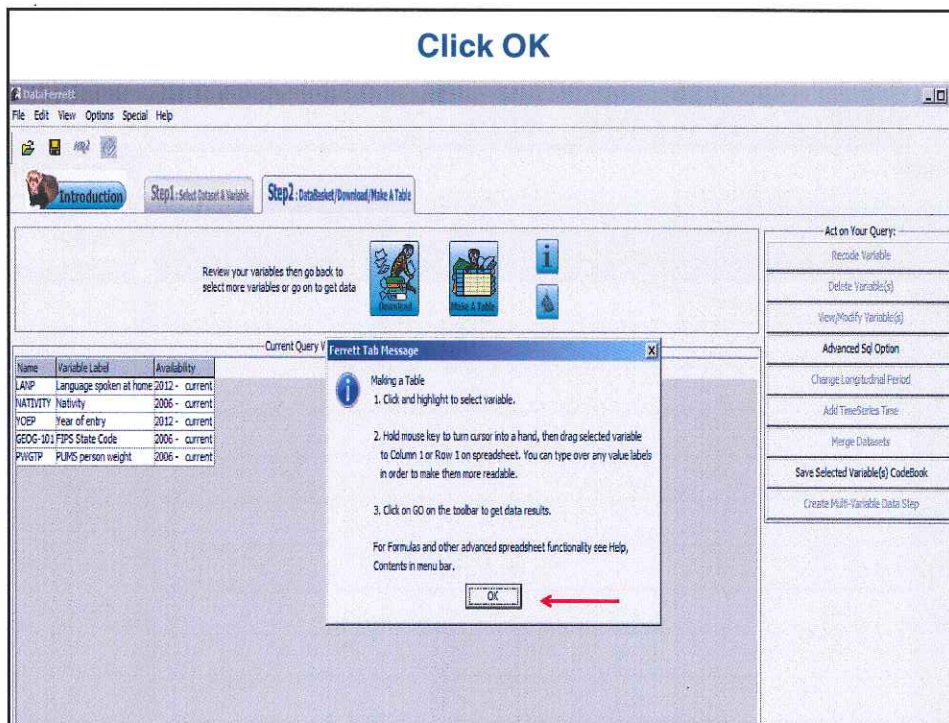
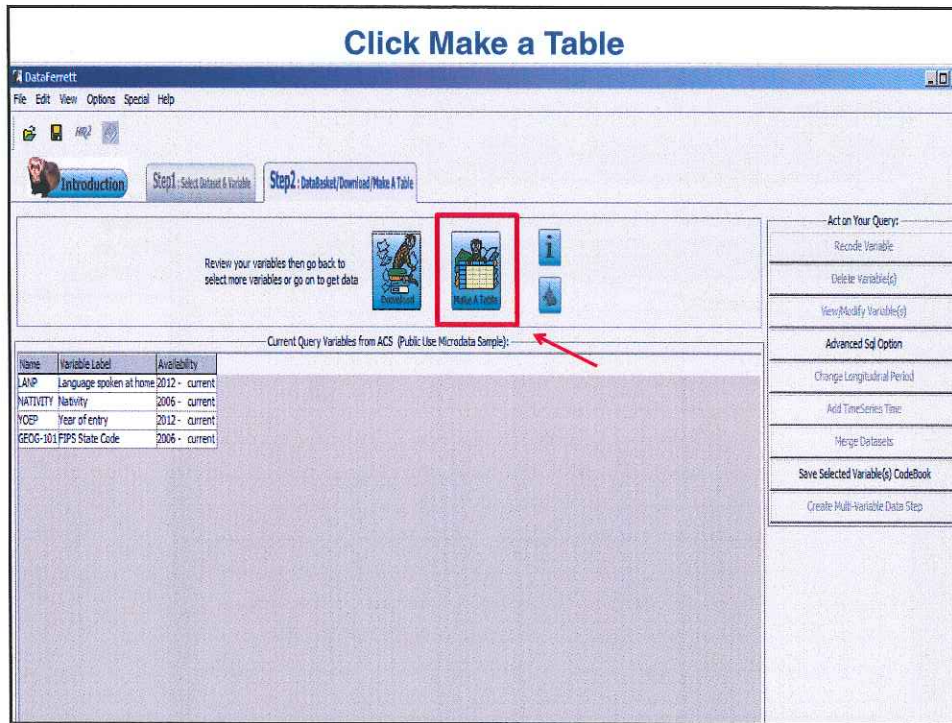
Variable (F) Labels Names Topics Question Text Values

Ⓜ match ANY word match ALL words Search

Highlight the variables you are interested in

366 Variables returned from search, 4 variables selected in Databasket.

Topic	Name	Availability	Variable Label
Population	PHNS9C	2009	current Medicare coverage given through the eligibility coverage edit
Population	PHNS9C	2009	current Medicare coverage given through the eligibility coverage edit
Population	PHNS9C	2009	current TRICARE coverage given through the eligibility coverage edit
Housing	FINCP	2008	current Family income (past 12 months)
Population	FOOJP	2010	current Recorded field of degree - first entry
Population	FOOZP	2010	current Recorded field of degree - second entry
Housing	FPARC	2006	current Presence, age of related children
Housing	FS	2008	current Yearly food stamp/Supplemental Nutrition Assistance Program reciprocity
Housing	FULP	2006	current Fuel cost (yearly cost for fuels other than gas and electricity)
Housing	GASP	2006	current Gas (monthly cost)
Population	GCN	2006	current Grandparents living with grandchildren
Population	GCN	2006	current Length of time responsible for grandchildren
Population	GCR	2008	current Grandparents responsible for grandchildren
Housing	GRNTP	2006	current Gross rent (monthly amount)
Housing	GRPP	2006	current Gross rent as a percentage of household income past 12 months
Selectable Geographies	Geography	2006	current Geographic Items
Housing	HFL	2006	current Type of fuel
Housing	HHL	2006	current Household language
Housing	HHT	2006	current Household/Family type



Add variables to spread sheet

The screenshot shows the Ferret Tabulation software interface. The window title is "Ferret Tabulation". The menu bar includes "File", "Edit", "Format", "View", "Options", and "Help". The toolbar contains icons for "GO Get Data", a map, a data source icon, a pivot table icon, a refresh icon, and a help icon. The Formula Bar is empty. Below it, a message states "Pivot(s) can be dropped on pivot image above R1." The spreadsheet grid shows columns C1 through C22 and rows R1 through R13. A red arrow points from the variable list on the right to cell R2/C1. The variable list on the right includes: LANP Language spoken at home, NATIVITY Nativity, YOEY Year of entry, and GEOG-101 FIPS State Code.

Select LANP Language spoken at home and drag into R2/C1

The screenshot shows the same Ferret Tabulation software interface. The window title is "GO Get Data". The menu bar and toolbar are the same as in the previous screenshot. The Formula Bar is empty. Below it, a message states "Pivot(s) can be dropped on pivot image above R1." The spreadsheet grid shows columns C1 through C22 and rows R1 through R10. A red arrow points from the variable list on the right to cell R2/C1. The variable list on the right includes: LANP Language spoken at home, NATIVITY Nativity, YOEY Year of entry, and GEOG-101 FIPS State Code. The spreadsheet content is as follows:

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22
R1																						
R2	Total LANP	?																				
R3	Tagalog	?																				
R4																						
R5																						
R6																						
R7																						
R8																						
R9																						
R10																						

Select Nativity and drag into C2/R1

Formula Bar

Pivot(s) can be dropped on pivot image above R1.

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20
R1		Total NATIVITY	Foreign born																	
R2	Total LANP	?	?																	
R3	Total age	?	?																	
R4																				
R5																				
R6																				
R7																				
R8																				
R9																				
R10																				

Field List:

- LANP Language spoken at home
- NATIVITY Nativity
- YOEP Year of entry
- GEOG-101 FIPS State Code

Highlight YOEP and drag into R4/C1 Click GO Get Data

Formula Bar

Pivot(s) can be dropped on pivot image above R1.

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20
R1		Total NATIVITY	Foreign born																	
R2	Total LANP	?	?																	
R3	Total age	?	?																	
R4	Total YOEP	?	?																	
R5	2008	?	?																	
R6	2009	?	?																	
R7	2010	?	?																	
R8	2011	?	?																	
R9	2012	?	?																	
R10																				
R11																				
R12																				
R13																				

Field List:

- LANP Language spoken at home
- NATIVITY Nativity
- YOEP Year of entry
- GEOG-101 FIPS State Code

Ferrett Tabulation

File Edit Format View Options Help

GO Get Data

Formula Bar

data(s) can be dropped on pivot image above R1.

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20
R1		Total NATIVITY Foreign born																		
R2	Total LAMP		6,560	6,560																
R3	Tagalog		6,560	6,560																
R4	Total YOEP		6,560	6,560																
R5	2008		1,424	1,424																
R6	2009		1,314	1,314																
R7	2010		1,741	1,741																
R8	2011		1,009	1,009																
R9	2012		1,072	1,072																

LAMP Language spoken at home
 NATIVITY Nativity
 YOEP Year of entry
 GEOG-101 FIPS State Code

Universe: (LAMP in (742))

Save As

Ferrett Tabulation

File Edit Format View Options Help

New

Open

Open in New Window

Save

Save As ←

Get Data

Debug

Print

Print Selected

Table Properties

Generate PDF

Graph

Map

Map Points

TimeSeries Graph

Rename

Exit

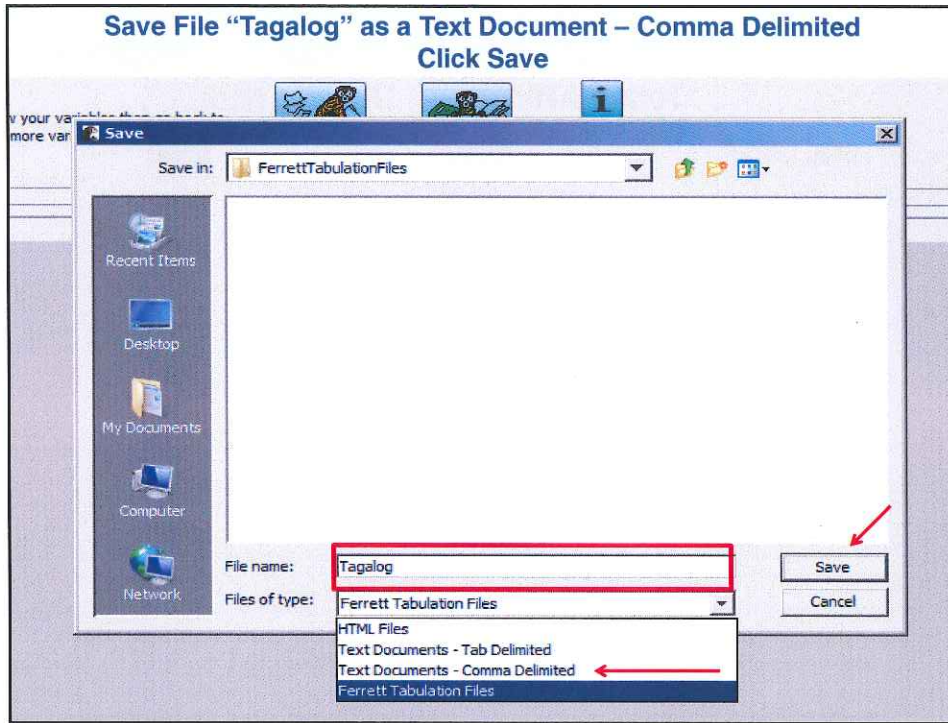
data(s) can be dropped on pivot image above R1.

	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13
R1	NATIVITY Foreign born										
R2	6,560	6,560									
R3	1,424	1,424									
R4	1,314	1,314									
R5	1,741	1,741									
R6	1,009	1,009									
R7	1,072	1,072									
R8	6,560	6,560									
R9	1,424	1,424									
R10	1,314	1,314									
R11	1,741	1,741									
R12	1,009	1,009									
R13	1,072	1,072									

R20

R21

Save File "Tagalog" as a Text Document – Comma Delimited Click Save



The screenshot shows the 'Ferrett Tabulation' software interface with a data table. The table has columns C1 through C20 and rows R1 through R22. The data is as follows:

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20
R1		Total NATIVITY	Foreign born																	
R2	Total LANP	6,560	6,560																	
R3	Tagalog	6,560	6,560																	
R4	Total YOEP	6,560	6,560																	
R5	2008	1,424	1,424																	
R6	2009	1,314	1,314																	
R7	2010	1,741	1,741																	
R8	2011	1,009	1,009																	
R9	2012	1,072	1,072																	
R10																				
R11																				
R12																				
R13																				
R14																				
R15																				
R16																				
R17																				
R18																				
R19																				
R20																				
R21																				
R22																				

Additional information from the software interface:

- Formula Bar:** Pivot(s) can be dropped on pivot image above R1.
- Right Panel:**
 - LANP Language spoken at home
 - NATIVITY Nativity
 - YOEP Year of entry
 - GEOG-101 FPS State Code
 - Universe: (LANP in (742))
 - Weight used: FWSTP
 - DataSet(s) selected: 2012

	A	B	C	D
1		Total NATIVITY	Foreign born	
2	Total LANP	6560	6560	
3	Tagalog	6560	6560	
4	Total YOEP	6560	6560	
5	2008	1424	1424	
6	2009	1314	1314	
7	2010	1741	1741	
8	2011	1009	1009	
9	2012	1072	1072	
10				
11				
12				

Exercise

How many females residing in Oahu work in the construction industry?

Launch DataFerrett

Select Data Types:

- MicroData
- Aggregate Data
- Longitudinal Data
- Time Series Data

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed; for surveys of organizations, the microdata contain records for each organization.

Select Dataset(s) to search:

- American Community Survey
- 3-Year Estimates - Public Use Microdata Sample
- 3-Year Estimates - Puerto Rico PUMS
- 5-Year Estimates - Public Use Microdata Sample
- 5-Year Estimates - Puerto Rico PUMS
- Public Use Microdata Sample
 - 2012
 - Description
 - View Variables
 - 2011
 - 2010
 - 2009
 - 2008
 - 2007
 - 2006
 - 2005
 - 2004
- Puerto Rico Public Use Microdata Sample
- Summarized Data
- American Housing Survey
- Common Core of Data(Education)
- Consumer Expenditure Survey
- County Business Patterns
- Current Population Survey
- Decennial Census of Population and Housing
- Decennial Public Use Microdata Samples
- Home Mortgage Disclosure Act
- Mortality
- National Ambulatory Medical Care Survey
- National Health and Nutrition Examination Survey
- National Health Interview Survey
- National Hospital Ambulatory Medical Care Survey
- National Survey of Fishing, Hunting, and Wildlife Associated Recreation
- New York City Housing and Vacancy Survey
- Public Libraries Survey
- Small Area Health Insurance Estimates
- Small Area Income and Poverty Estimates
- Social Security Administration
- Survey of Income and Program Participation
- Survey of Program Dynamics

Double Click on American Community Survey

Open PUMS to view years

Select 2012

Click View Variables (drop down)

Click Selectable Geographies and Population click Search Variables

DataFerrett

File Edit View Options Special Help

Introduction Step 1: Select Dataset & Variable Step 2: DataBasket/Download/Make A Table

Select Data Types:

- MicroData
- Aggregate Data
- Longitudinal Data
- Time Series Data

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed; for surveys of organizations, the microdata contain records for each organization.

Variable Labels Names Topics Question Text Values

match ANY word match ALL words

Search

Instructions
Empty DataBasket

Select Dataset(s) to search:

- American Community Survey
- 3-Year Estimates - Publi
- 3-Year Estimates - Puer
- 5-Year Estimates - Publi
- 5-Year Estimates - Puer
- Public Use Microdata S
- 2012
 - 2011
 - 2010
 - 2009
 - 2008
 - 2007
 - 2006
 - 2005
 - 2004
- Puerto Rico Public Use f
- Summarized Data
- American Housing Survey
- Common Core of Data(Educ
- Consumer Expenditure Sur
- County Business Patterns
- Current Population Survey

Highlight the variables you are interested in

0 Variables returned from search. 0 variables selected in DataBasket.

Select All Topics

- Housing
- Selectable Geographies
- Population
- Replicate Weights
- Geographic Entities

Search Variables

The variables required for this exercise include:
Population INDP - Industry
Population SEX - Sex
 In selecting variables, click on "Name" to view an A-Z listing of the Population variables in this name column,

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed; for surveys of organizations, the microdata contain records for each organization.

Select Data Types:
 MicroData
 Aggregate Data
 Longitudinal Data
 Time Series Data

Refresh Dataset List

Select Dataset(s) to search:

Search All Datasets

- American Community Survey
 - 3-Year Estimates - Publ
 - 3-Year Estimates - Puer
 - 5-Year Estimates - Publ
 - 5-Year Estimates - Puer
 - Public Use Microdata Set
 - 2012
 - 2011
 - 2010
 - 2009
 - 2008
 - 2007
 - 2006
 - 2005
 - 2004
- Puerto Rico Public Use Microdata Set
 - Summarized Data
- American Housing Survey
- Common Core of Data(Educ)
- Consumer Expenditure Surveys
- County Business Patterns
- Current Population Survey
- Decennial Census of Population
- Decennial Public Use Microdata Set
- Home Mortgage Disclosure

Variable Labels Names Topics Question Text Values

match ANY word match ALL words

Highlight the variables you are interested in

130 Variables returned from search. 0 variables selected in DataBasket.

Topic	Name	Availability	Variable Label
Population	ADJINC	012	current Adjustment factor for income and earnings dollar amounts(6 implied decimal places)
Population	AGEP	006	current Age
Population	ANC	006	current Ancestry categorization
Population	ANC1P	012	current Recoded Detailed Ancestry - first entry
Population	ANC2P	012	current Recoded Detailed Ancestry - second entry
Population	CIT	006	current Citizenship status
Population	CITWP	012	current Year of naturalization write-in
Population	COW	006	current Class of worker
Population	DDRS	006	current Difficulty dressing
Population	DEAR	008	current Hearing difficulty
Population	DECADE	006	current Decade of entry
Population	DEYE	008	current Vision difficulty
Population	DIS	008	current Disability recode
Population	DOUT	008	current Independent living difficulty
Population	DPHY	006	current Physical difficulty
Population	DRAT	009	current Veteran service connected disability rating (percentage)
Population	DRATX	008	current Veteran service connected disability rating (checkbox)
Population	DREM	006	current Difficulty remembering
Population	DRIVESP	006	current Number of vehicles calculated from 3WRI
Population	ENG	006	current English ability
Population	ESP	006	current Employment status of parents
Population	ESR	006	current Employment status recode

Select INDP, hold control button down and select SEX
 Click Browse/Select Highlighted Variables (blue) Button

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed; for surveys of organizations, the microdata contain records for each organization.

Select Data Types:
 MicroData
 Aggregate Data
 Longitudinal Data
 Time Series Data

Refresh Dataset List

Select Dataset(s) to search:

Search All Datasets

- American Community Survey
 - 3-Year Estimates - Publ
 - 3-Year Estimates - Puer
 - 5-Year Estimates - Publ
 - 5-Year Estimates - Puer
 - Public Use Microdata Set
 - 2012
 - 2011
 - 2010
 - 2009
 - 2008
 - 2007
 - 2006
 - 2005
 - 2004
- Puerto Rico Public Use Microdata Set
 - Summarized Data
- American Housing Survey
- Common Core of Data(Educ)
- Consumer Expenditure Surveys
- County Business Patterns
- Current Population Survey
- Decennial Census of Population
- Decennial Public Use Microdata Set
- Home Mortgage Disclosure

Variable Labels Names Topics Question Text Values

match ANY word match ALL words

Highlight the variables you are interested in

130 Variables returned from search. 0 variables selected in DataBasket.

Topic	Name	Availability	Variable Label
Population	RAC1P	2012	current Recoded detailed race code
Population	RAC2P	2012	current Recoded detailed race code
Population	RAC3P	2012	current Recoded detailed race code 2012
Population	RACASIAN	2006	current Race includes Asian
Population	RACBLK	2006	current Race includes Black
Population	RACNH	2012	current Native Hawaiian recode (Native Hawaiian alone or in combination with one or more other races)
Population	RACNLM	2006	current Number of race groups represented
Population	RACPI	2012	current Other Pacific Islander recode (Other Pacific Islander alone or in combination with one or more other races)
Population	RACSOR	2006	current Race includes Other race
Population	RACWHT	2006	current Race includes White
Population	RC	2008	current Related child
Population	REL	2011	current Relationship
Population	RETP	2006	current Retirement income past 12 months
Population	SCH	2008	current School enrollment
Population	SCHG	2008	current Grade level attending
Population	SCHL	2008	current Educational attainment
Population	SEIIP	2006	current Self-employment income past 12 months (signed)
Population	SERIALNO	2006	current Housing unit/60 person serial number
Population	SEX	006	current Sex
Population	SFN	2006	current Subfamily Number
Population	SFR	2006	current Subfamily Relationship
Population	SOCP	2012	current SOC Occupation code for 2012 based on 2010 SOC codes

Browse/Select Highlighted Variables

INDP - Industry Recode for 2012

SEX - Sex

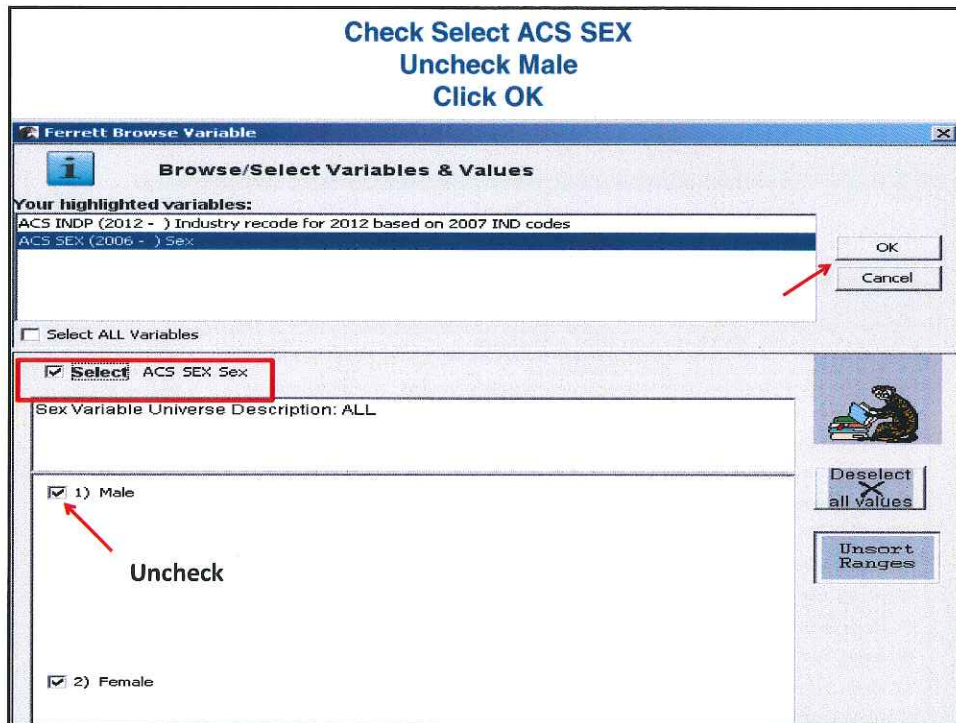
Check Select ACS INDP
Click Deselect all Values

The screenshot shows the 'Ferrett Browse Variable' window with the title 'Browse/Select Variables & Values'. Under 'Your highlighted variables:', 'ACS INDP (2012 -) Industry recode for 2012 based on 2007 IND codes' is selected, indicated by a red arrow. Below, the 'Select ALL Variables' checkbox is unchecked, and the 'Select' checkbox for the highlighted variable is checked. A red box highlights the 'Select' checkbox and the variable name. The main list shows various industry codes, all of which are checked. A red arrow points to the 'Deselect all values' button on the right side of the window.

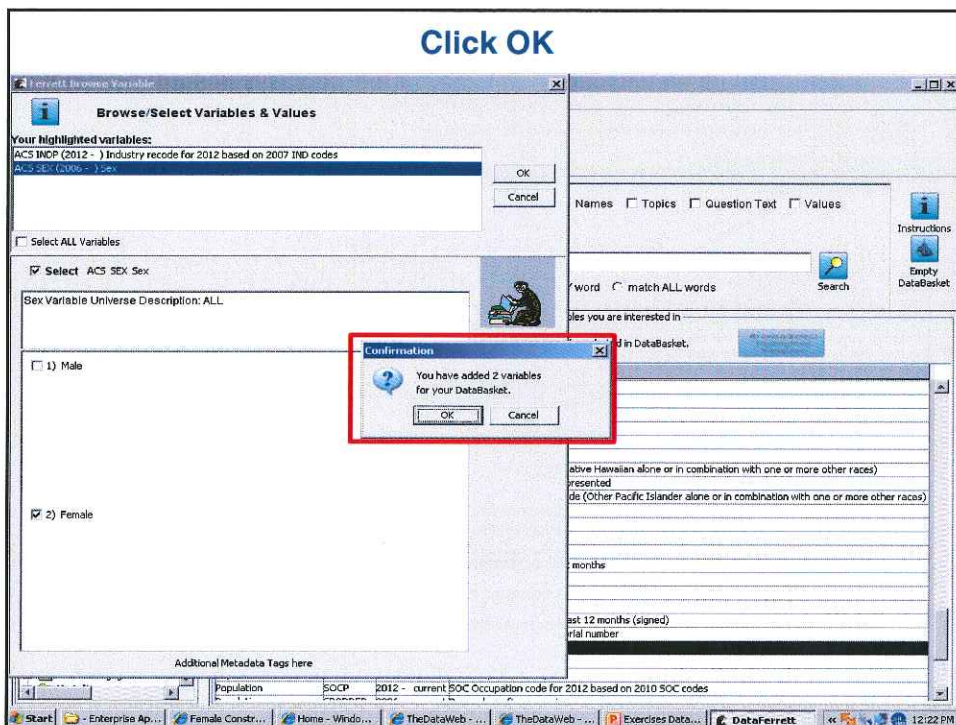
Check 0770 CON – Construction
Highlight ACS SEX

The screenshot shows the 'Ferrett Browse Variable' window with the title 'Browse/Select Variables & Values'. Under 'Your highlighted variables:', 'ACS INDP (2012 -) Industry recode for 2012 based on 2007 IND codes' and 'ACS SEX (2006 -) Sex' are listed. A red arrow points to 'ACS SEX (2006 -) Sex'. Below, the 'Select ALL Variables' checkbox is unchecked, and the 'Select' checkbox for the highlighted variable is checked. A red box highlights the 'Select' checkbox and the variable name. The main list shows various industry codes, with '0770) CON-CONSTRUCTION, INCL CLEANING DURING AND IMM AFTER' checked and highlighted with a red box. A red arrow points to the 'Deselect all values' button on the right side of the window.

Check Select ACS SEX
Uncheck Male
Click OK



Click OK



Select Geography Click Browse/Select Highlighted Variables (blue) Button

Microdata is data in which every record is at the unit of analysis level and all records must be added up to get the totals for each data item. For example, for surveys of individuals, microdata contain records for each individual interviewed; for surveys of organizations, the microdata contain records for each organization.

Variable Labels Names Topics Question Text Values

130 Variables returned from search. 2 variables selected in DataBasket.

Topic	Name	Availability	Variable Label
Population	ESP	2006	current Employment status or parents
Population	ESR	2006	current Employment status record
Population	FER	2012	current Gave birth to child within the past 12 months
Population	FHINS3C	2009	current Medicare coverage given through the eligibility coverage edit
Population	FHINS4C	2009	current Medicaid coverage given through the eligibility coverage edit
Population	PHINS3C	2009	current TRICARE coverage given through the eligibility coverage edit
Population	FODIP	2010	current Recorded field of degree - first entry
Population	FOD2P	2010	current Recorded field of degree - second entry
Population	GCL	2006	current Grandparents living with grandchildren
Population	GCM	2006	current Length of time responsible for grandchildren
Population	GCR	2008	current Grandparents responsible for grandchildren
Selectable: Geographies (Geography)		2009	current Geographic Items
Population	HICOV	2008	current Health insurance coverage record
Population	HINS1	2008	current Insurance through a current or former employer or union
Population	HINS2	2008	current Insurance purchased directly from an insurance company
Population	HINS3	2008	current Medicare, for people 65 and older, or people with certain disabilities
Population	HINS4	2008	current Medicaid, Medical Assistance, or any kind of government-assistance plan for those with low incomes o
Population	HINS5	2008	current TRICARE or other military health care
Population	HINS6	2008	current VA (including those who have ever used or enrolled for VA health care)
Population	HINS7	2008	current Indian Health Service
Population	HISP	2006	current Hispanic record

Highlight Public Use Microdata Areas In Hierarchies Highlight State of current residence Click Use Hierarchy

Instructions: Select the type geography from left list. Once selected, either double click or select the hierarchy and click the "Use Hierarchy" button to navigate that hierarchy.

Types of geography available:

- Division
- Public Use Microdata Area
- Region
- State

Hierarchies:

- State of current residence > Public use microdata area code (PLUMA) based on 2010 Census

Selected Geographic Areas:

Search Use Hierarchy Cancel Delete Selection Clear All Finish

L	2006	current Grandparents living with grandchildren
M	2006	current Length of time responsible for grandchildren
R	2008	current Grandparents responsible for grandchildren
NTP	2006	current Gross rent (monthly amount)
PIP	2006	current Gross rent as a percentage of household income past 12 months
Geography	2006	current Geographic Items
-	2006	current Type of fuel
L	2006	current Household language
T	2006	current Household Telephone

Highlight Hawaii and drag into State of current residence box Click Next Level

Select State of current residence

Home >> State of current residence >> Public use microdata area code (PUMA) based on 2010 Census definition

Select State of current residence: Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, **Hawaii**, Idaho, Illinois, Indiana, Iowa

State of current residence(s) to drop into: Hawaii

Selected Geographic Areas:

Search Previous Level **Next Level** Cancel Delete Selection Clear All Finish

Public Use Microdata Area (PUMA) based on 2010 Census definition

2011	L	2006 - current Grandparents living with grandchildren
2011	M	2006 - current Length of time responsible for grandchildren
2010	R	2008 - current Grandparents responsible for grandchildren
2009	NTP	2006 - current Gross rent (monthly amount)
2008	PIP	2006 - current Gross rent as a percentage of household income past 12 months
2007	geography	2006 - current Geographic Items
2006	L	2006 - current Type of fuel
2005	L	2006 - current Household language
2004	T	2006 - current Household/family type

Highlight Select All (PUMAs) and drag into Selected Geographic Areas box Click Finish

Select Public use microdata area code (PUMA) based on 2010 Census definition

Home >> State of current residence >> Public use microdata area code (PUMA) based on 2010 Census definition

Select Public use microdata area code (PUMA) based on 2010 Census definition: **Select All**, Maui, Kalawao & Kauai Counties, Hawaii County, Honolulu County--Rural Oahu, Honolulu County--Koolauapoko, Honolulu County--East Honolulu to Kapahulu, Honolulu County--Tantalus to Waikiki, Honolulu County--Nuuanu to Kalihi, Honolulu County--Moanalua to Pearl City, Honolulu County--Central Oahu

Public use microdata area code (PUMA) based on 2010 Census definition: Please drag wanted geographies to "Selected Geographic Areas"

Selected Geographic Areas: 10 Public use microdata area code (PUMA) based on 2010 Census definition(s) added. Public Use Microdata Area (PUMA) Count: 10 Maui, Kalawao & Kauai Counties, Hawaii County, Honolulu County--Rural Oahu, Honolulu County--Koolauapoko, Honolulu County--East Honolulu to Kapahulu, Honolulu County--Tantalus to Waikiki, Honolulu County--Nuuanu to Kalihi, Honolulu County--Moanalua to Pearl City, Honolulu County--Central Oahu, Honolulu County--Ewa

Search Previous Level Next Level Cancel Delete Selection Clear All **Finish**

Public Use Microdata Area (PUMA) based on 2010 Census definition

2012	L	2006 - current Grandparents living with grandchildren
2011	M	2006 - current Length of time responsible for grandchildren
2010	R	2008 - current Grandparents responsible for grandchildren
2009	NTP	2006 - current Gross rent (monthly amount)
2008	PIP	2006 - current Gross rent as a percentage of household income past 12 months
2007	geography	2006 - current Geographic Items
2006	L	2006 - current Type of fuel
2005	L	2006 - current Household language
2004	T	2006 - current Household/family type
2004	COV	2008 - current Health insurance coverage recode
2004	HCP	2008 - current Household income (past 12 months)
2004	ISI	2008 - current Insurance through a current or former employer or union

You Are Now Ready to Create a Table Click Step 2: Databasket/Download/Make A Table

Select Data Types:

- MicroData
- Aggregate Data
- Longitudinal Data
- Time Series Data

Select Dataset(s) to search:

- American Community Survey
 - 3-Year Estimates - Public Use Microdata Sample
 - 5-Year Estimates - Public Use Microdata Sample
 - Public Use Microdata Sample
 - 2012
 - 2010
 - 2009
 - 2008
 - 2007
 - 2006
 - 2005
 - 2004
- Puerto Rico Public Use Microdata Sample
- Summarized Data
- American Housing Survey

366 Variables returned from search. 4 variables selected in Databasket.

Topic	Name	Availability	Variable Label
Replicate Weights	WGTP62	2006 - current	62nd PUMS Housing Replicate Weight
Replicate Weights	WGTP63	2006 - current	63rd PUMS Housing Replicate Weight
Replicate Weights	WGTP64	2006 - current	64th PUMS Housing Replicate Weight
Replicate Weights	WGTP65	2006 - current	65th PUMS Housing Replicate Weight
Replicate Weights	WGTP66	2006 - current	66th PUMS Housing Replicate Weight
Replicate Weights	WGTP67	2006 - current	67th PUMS Housing Replicate Weight
Replicate Weights	WGTP68	2006 - current	68th PUMS Housing Replicate Weight
Replicate Weights	WGTP69	2006 - current	69th PUMS Housing Replicate Weight
Replicate Weights	WGTP70	2006 - current	70th PUMS Housing Replicate Weight
Replicate Weights	WGTP71	2006 - current	71st PUMS Housing Replicate Weight
Replicate Weights	WGTP72	2006 - current	72nd PUMS Housing Replicate Weight
Replicate Weights	WGTP73	2006 - current	73rd PUMS Housing Replicate Weight
Replicate Weights	WGTP74	2006 - current	74th PUMS Housing Replicate Weight
Replicate Weights	WGTP75	2006 - current	75th PUMS Housing Replicate Weight

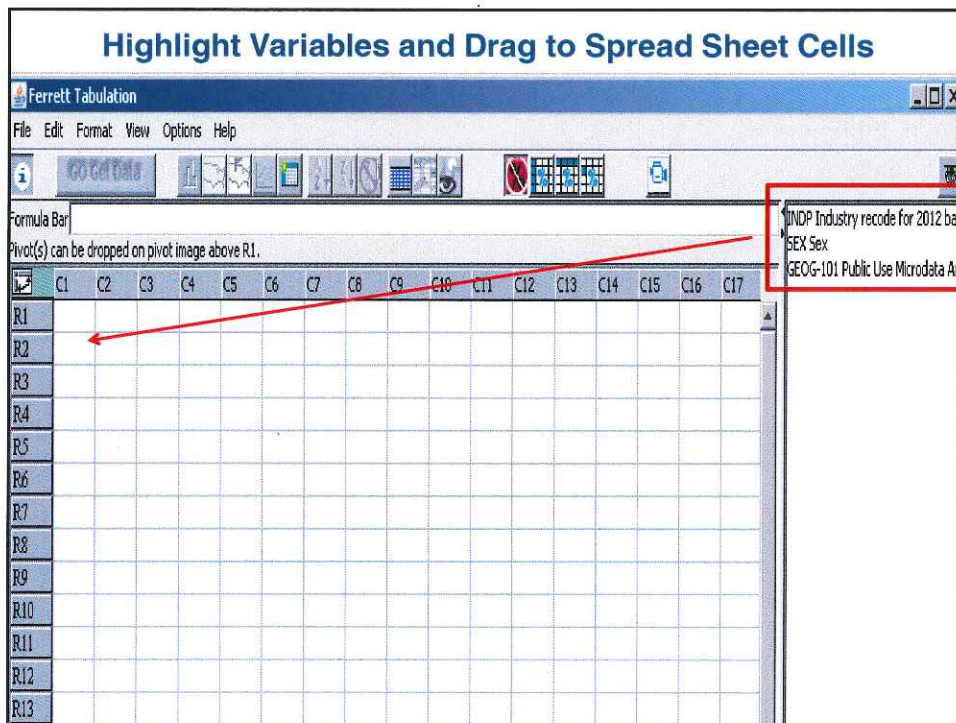
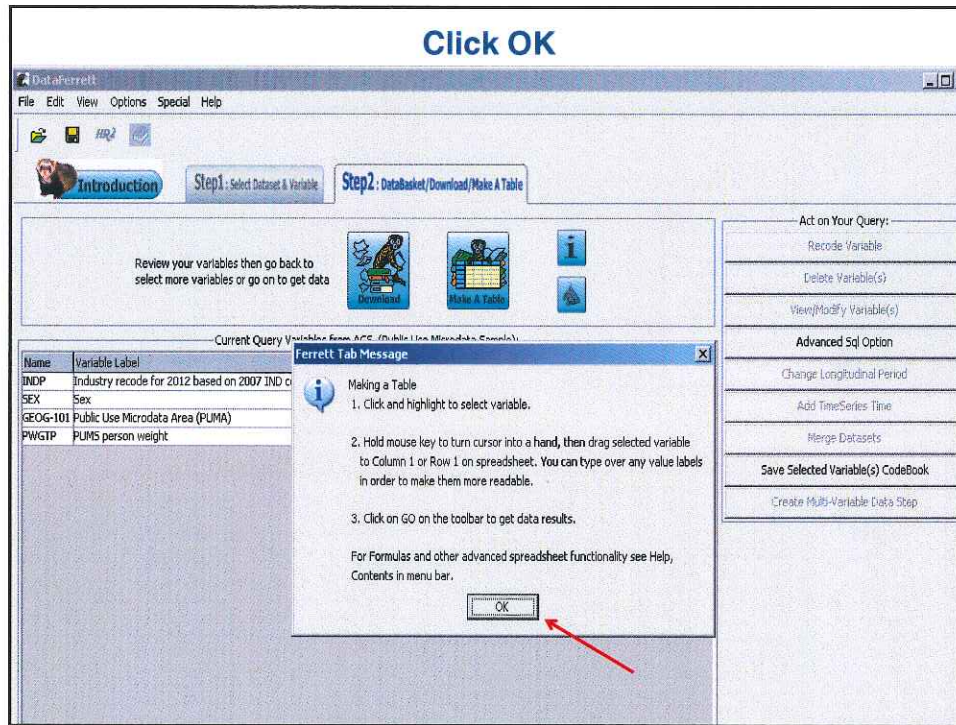
You Are Now Ready to Create a Table Click Make A Table

Act on Your Query:

- Recode Variable
- Delete Variable(s)
- View/Modify Variable(s)
- Advanced Sql Option
- Change Longitudinal Period
- Add TimeSeries Time
- Merge Datasets
- Save Selected Variable(s) CodeBook
- Create Multi-Variable Data Step

Current Query Variables from ACS (Public Use Microdata Sample):

Name	Variable Label	Availability
INDP	Industry recode for 2012 based on 2007 IND codes	2012 - current
SEX	Sex	2006 - current
GEOG-101	Public Use Microdata Area (PUMA)	2012 - current



Select GEOG-101 PUMA and drag into R2/C1

Ferrett Tabulation

File Edit Format View Options Help

GO Get Data

Formula Bar

Pivot(s) can be dropped on pivot image above R1.

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C
R1													
R2	Total GEOG-101		?										
R3	Maui, Kalawao & Kauai Counties		?										
R4	Hawaii County		?										
R5	Honolulu County--Rural Oahu		?										
R6	Honolulu County--Koolaupoko		?										
R7	Honolulu County--East Honolulu to Kapahulu		?										
R8	Honolulu County--Tantahu to Waikiki		?										
R9	Honolulu County--Nuuanu to Kalihi		?										
R10	Honolulu County--Moanalua to Pearl City		?										
R11	Honolulu County--Central Oahu		?										
R12	Honolulu County--Ewa		?										
R13													
R14													
R15													
R16													
R17													
R18													

INDP Industry recode for 2012 bas
SEX Sex
GEOG-101 Public Use Microdata Ar

Select IND Industry and drag into C2/R1

Ferrett Tabulation

File Edit Format View Options Help

GO Get Data

Formula Bar

Pivot(s) can be dropped on pivot image above R1.

	C1	C2	C3	C
R1		Total INDP CON-CONSTRUCTION, INCL CLEANING DURING AND IMM AFTER		
R2	Total GEOG-101		?	
R3	Maui, Kalawao & Kauai Counties		?	
R4	Hawaii County		?	
R5	Honolulu County--Rural Oahu		?	
R6	Honolulu County--Koolaupoko		?	
R7	Honolulu County--East Honolulu to Kapahulu		?	
R8	Honolulu County--Tantahu to Waikiki		?	
R9	Honolulu County--Nuuanu to Kalihi		?	
R10	Honolulu County--Moanalua to Pearl City		?	
R11	Honolulu County--Central Oahu		?	
R12	Honolulu County--Ewa		?	
R13				
R14				
R15				
R16				
R17				
R18				
R19				

INDP Industry recode for 2012 bas
SEX Sex
GEOG-101 Public Use Microdata Ar

Select SEX and drag into R2/C1
Click YES to "explode Geography" to NEST sex variable

The screenshot shows the Ferrett Tabulation interface. The main window displays a pivot table with the following data:

	C1	C2	C3
R1		Total INDP CON-CONSTRUCTION, INCL CLEANING DURING AND IMM AFTER	
R2	Total GEOG-101	?	?
R3	Maui, Kalawao & Kauai Counties	?	?
R4	Hawaii County	?	?
R5	Honolulu County--Rural Oahu	?	?
R6	Honolulu County--Koolau-poko	?	?
R7	Honolulu County--East Honolulu to Kapahulu	?	?
R8	Honolulu County--Tantalus to Waikiki	?	?
R9	Honolulu County--Nuuanu to Kalihi	?	?
R10	Honolulu County--Moanalua to Pearl City	?	?
R11	Honolulu County--Central Oahu	?	?
R12	Honolulu County--Ewa	?	?
R13			
R14			
R15			
R16			
R17			
R18			
R19			
R20			
R21			
R22			
R23			
R24			
R25			
R26			

A confirmation dialog box is displayed in the center of the screen with the following text:

Confirmation

If you explode Geography by another variable you will disable the mapping function. Do you want to continue with this variable placement?

Buttons: Yes, No

A red arrow points from the 'SEX' variable in the right-hand pane to the R2/C1 cell in the pivot table. Another red arrow points from the 'Yes' button in the dialog box to the R2/C1 cell.

Click GO Get Data

The screenshot shows the Ferrett Tabulation interface after clicking the 'GO Get Data' button. The pivot table now includes the 'SEX' variable in the R2/C1 cell:

	C1	C2	C3
R1		Total INDP CON-CONSTRUCTION, INCL CLEANING DURING AND IMM AFTER	
R2	Total GEOG-101	?	?
R3	Female	?	?
R4	Maui, Kalawao & Kauai Counties	?	?
R5	Female	?	?
R6	Hawaii County	?	?
R7	Female	?	?
R8	Honolulu County--Rural Oahu	?	?
R9	Female	?	?
R10	Honolulu County--Koolau-poko	?	?
R11	Female	?	?
R12	Honolulu County--East Honolulu to Kapahulu	?	?
R13	Female	?	?
R14	Honolulu County--Tantalus to Waikiki	?	?
R15	Female	?	?
R16	Honolulu County--Nuuanu to Kalihi	?	?
R17	Female	?	?
R18	Honolulu County--Moanalua to Pearl City	?	?
R19	Female	?	?
R20	Honolulu County--Central Oahu	?	?
R21	Female	?	?
R22	Honolulu County--Ewa	?	?
R23	Female	?	?
R24			
R25			

A red arrow points from the 'GO Get Data' button in the top toolbar to the R2/C1 cell in the pivot table.

Click GO Get Data

Pivot(s) can be dropped on pivot image above R1.

	C1	C2	C3
R1		Total INDP CON-CONSTRUCTION, INCL CLEANING DURING AND IMM AFTER	
R2	Total GEOG-101	6,245	6,245
R3	Female	6,245	6,245
R4	Maui, Kalawao & Kauai Counties	1,502	1,502
R5	Female	1,502	1,502
R6	Hawaii County	1,194	1,194
R7	Female	1,194	1,194
R8	Honolulu County--Rural Oahu	324	324
R9	Female	324	324
R10	Honolulu County--Koolaupoko	466	466
R11	Female	466	466
R12	Honolulu County--East Honolulu to Kapahulu	322	322
R13	Female	322	322
R14	Honolulu County--Tantalus to Waikiki	176	176
R15	Female	176	176
R16	Honolulu County--Nuuanu to Kalihi	613	613
R17	Female	613	613
R18	Honolulu County--Moanalua to Pearl City	350	350
R19	Female	350	350
R20	Honolulu County--Central Oahu	436	436
R21	Female	436	436
R22	Honolulu County--Ewa	862	862
R23	Female	862	862
R24			

Save as an Excel File and perform calculations

Oahu Female Workers in Construction 2012

	CON-CONSTRUCTION, INCL CLEANING DURING AND IMM AFTER
Total GEOG-101	6245
Honolulu County--Rural Oahu	324
Honolulu County--Koolaupoko	466
Honolulu County--East Honolulu to Kapahulu	322
Honolulu County--Tantalus to Waikiki	176
Honolulu County--Nuuanu to Kalihi	613
Honolulu County--Moanalua to Pearl City	350
Honolulu County--Central Oahu	436
Honolulu County--Ewa	862
Total OAHU	3549