American FactFinder (AFF) and The Equal Employment Opportunity Tabulation 2006-2010

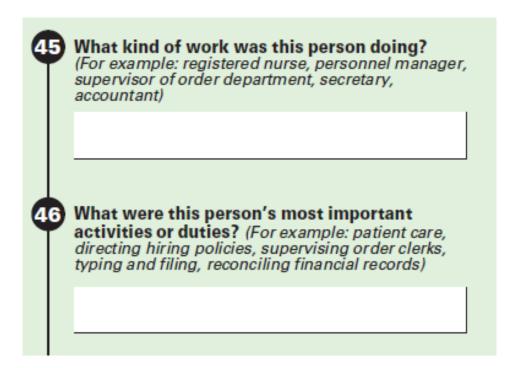
Tutorial

Prepared by:
Industry and Occupation Statistics Branch
Social, Economic, and Housing Statistics Division
U.S. Census Bureau
October 2014



What do you do?

ACS Occupation Questions



- Occupation describes the <u>kind of work a</u> person does on the job
- 2 occupation questions

Civil Rights Laws

The statistics from the Equal Employment Opportunity Tabulation are used by Federal agencies that monitor employment practices and enforce civil rights laws in the workforce, and by employers so they can measure their compliance with the laws.

- Title VII of the Civil Rights Act of 1964 (Title VII)
- Age Discrimination in Employment Act (ADEA)
- Americans with Disabilities Act (ADA)
- Equal Pay Act of 1963 (EPA)
- Rehabilitation Act of 1973

Sponsoring Agencies



Equal Employment Opportunity Commission (EEOC)



Department of Justice (DOJ) Employment Litigation Section of the Civil Rights Division



Department of Labor (DOL) Office of Federal Contract Compliance Programs (OFCCP)



Office of Personnel Management (OPM)

5 Decades of Equal Employment Opportunity Tabulations

1970 (ENSUS OF POPULATION

CENSUS'90



1990 CP-S-1-1

1990 Census of Population

Detailed Occupation and Other Characteristics From the EEO File for the United States







What can this tabulation tell you?

- Detailed occupation: What percentage of <u>cashiers</u> in Austin, Texas, are non-Hispanic Asian?
- Diversity: What is the <u>demographic composition</u> of elementary and middle school teachers in the Virginia Beach-Norfolk-Newport News, Va.-N.C. <u>metro area?</u>
- Age: What percentage of flight attendants in Atlanta are 40 to 44 years old?
- Education: How many workers in Suffolk, Worcester and Berkshire <u>counties</u> in Massachusetts are 35-to-39 year old <u>high school graduates</u>?
- Commuting flows: What percentage of financial analysts work in Los Angeles County and live in Orange County, California?
- Citizenship: How many professional workers in the Huntsville, Ala. metro area are not U.S. citizens?
- Industry: How many mechanical engineers in the transportation equipment manufacturing industry in Michigan are non-Hispanic black?

Highlights of the Equal Employment Opportunity Tabulation

- Allows us to examine the diversity of the labor force
- The source for detailed occupational statistics by race, ethnicity, and sex in the labor force for local areas
- First time using the American Community Survey estimates, marking the maturity of the survey as an extension of the decennial census program
- Fully available online through American FactFinder
- Provides statistics by location-based geography residence, worksite, commuting flows ("labor sheds")

Primary Purpose of the Equal Employment Opportunity Tabulation

 External benchmark for conducting comparisons between the racial, ethnic, and sex composition of each employer's workforce to its available labor market

 Used by organizations to develop and update their affirmative action plans

What is in the Equal Employment Opportunity Tabulation?

- Custom tabulation of the civilian labor force aged 16 and older
- Detailed occupation by race and ethnicity and by sex
- Tables may also include citizenship, educational attainment, industry, age, earnings, and unemployment status
- Worksite, residence, and commuting flows
- For the nation, states, metro/micro areas, counties, EEO county sets, and places

Largest release on American FactFinder

- Over 19 billion estimates
- Over 1 trillion calculations to produce
- Covers nearly 6,500 geographic entities
- Includes estimates and percentages of the labor force for race and ethnicity by sex for all counties and for places of 50,000 or more
- About 1½ times larger than the 5-year American
 Community Survey release

New this time

- Developed from 5-year American Community Survey (2006-2010)
- Pre-calculated margins of error
- 2010 decennial census population base
- 488 Census Occupation Codes
 - Worksite tables exclude "unemployed" code
 - Occupation categories based on 2010 Standard Occupational Classification
- New measures: citizenship, unemployment status
- Puerto Rico tables are included
- Available through American FactFinder

New Measures

Citizenship

- U.S. Citizen Respondents who indicated that they were born in the United States, Puerto Rico, a U.S. Island Area (such as Guam), or abroad of American (U.S. citizen) parent or parents are considered U.S. citizens at birth. Foreign-born people who indicated that they were U.S. citizens through naturalization also are considered U.S. citizens.
- **Not a U.S. Citizen** Respondents who indicated that they were not U.S. citizens at the time of the survey.

Unemployment Status

- Currently employed
- Currently unemployed and worked in the last year
- Currently unemployed and last worked 1 to 5 years ago

Data Source: American Community Survey (ACS)

- The largest survey in the United States with a sample size of about 3½ million household addresses annually
- Monthly data collection that yields aggregate estimates every year
- Fully implemented in 2005
- Collects data on a wide range of demographic, social, economic, and housing characteristics
- Includes all 50 states, the District of Columbia, and Puerto Rico

American Community Survey Similarities with Census 2000 Long-Form Sample

- Both produce estimates on characteristics from a sample of the population
- Many of the same questions asked and produces many of the same basic statistics
 - Race and ethnicity items are the same and produce similar statistics to 2000
 - Most occupation and industry codes similar, though some codes have changed
- Same detailed geography -- Five-year estimates are produced for the same broad set of geographic areas that received sample statistics from Census 2000

5-Year Estimates

- Period estimate rather than point-in-time estimate
- Information collected continuously nearly every day from independent monthly samples over 60 months (January 2006 to December 2010)
- Aggregated results over period
- Describes no specific day, month, or year within period
- Cumulative sample allows measurement of characteristics in local geographies and increases precision of its estimates
- Best source for detailed occupation by race and ethnicity by sex for local areas

Data Products

- 107 tables
 - Provide residence and worksite geographic information
 - Worksite and commuting flow tables
- All tables have least 3 unweighted cases per cell
- Disclosure avoidance and rounding rules applied
- Population threshold
 - Tables that <u>include</u> the **citizenship** variable have a population threshold of 100,000 or more
 - Tables that <u>do not include</u> the citizenship variable have a population threshold of 50,000 or more

Race and Ethnicity Categories

Tables Boxhead-

Total, race and ethnicity	Hispanic or Latino		Not Hispanic or Latino, one race					Not Hispanic or Latino, two or more races						Balance of not Hispanic or Latino	
	White alone Hispanic or Latino	All other Hispanic or Latino	White alone	Black or African American alone	American Indian and Alaska Native alone	Asian alone	Native Hawaiian and Other Pacific Islander alone	White and Black	White and AIAN	White and Asian	Black and AIAN	NHPI and White (Hawaii only)	NHPI and Asian (Hawaii only)	NHPI and Asian and White (Hawaii only)	

U.S., except Hawaii-12 race/ethnicity categories (3 HI categories will be filled with an "X" on AFF) Hawaii-15 race/ethnicity categories

Notes:

Black refers to Black or African American; AIAN refers to American Indian and Alaska Native; and NHPI refers to Native Hawaiian and Other Pacific Islander.

'Balance of Not Hispanic or Latino' includes the balance of non-Hispanic individuals who reported multiple races or reported Some Other Race alone.

Types of Location







Residence

Where people live

Universe:

Total labor force (employed + unemployed)

Worksite

Where people work

Universe:

Employed and at work last week

Worksite flow

Where workers commute from (to their place of work)

Universe:

Employed and at work last week



Nation

All states, the District of Columbia and Puerto Rico

Metro and Micro areas

Counties and EEO county sets

Places



Disclosure Avoidance

- Census Bureau bound by strict laws to protect confidential information
- Disclosure Review Board approved
- Population thresholds are applied for some sub-state geographies to protect confidentiality
- Some cells are suppressed to protect identity of individuals
 - Used complementary suppression
- All estimates are rounded
- Empty tables (without cases) are not displayed

Margins of Error

- Check margins of error to ensure estimates have sufficient reliability for their intended use
- Based on a 90-percent confidence level
- Use the pre-calculated estimates and margins or error when available for totals and subtotals
- Instructions for deriving margins of error for calculated estimates:
 - http://www.census.gov/acs/www/Downloads/data_documentation/Statistical __Testing/2010StatisticalTesting3and5year.pdf

Thresholds by Table Set

Geographies available by location

(Thresholds applied for geographic levels shown in green)

Table		Population			Commuting
set	Characteristic	threshold	Residence	Worksite	Flow
1	Detailed Census Occupation Categories	50,000	NSMCP ¹	NSMCP	СР
2	Detailed Census Occupation Categories	100,000	NSMCP	NSMCP	СР
3	EEO Occupation Groups	50,000	NSMCP	NSMCP	СР
4	EEO-1 Job Categories	50,000	NSMCP	NSMCP	СР
5	Federal Sector Job Categories	50,000	NSMCP	NSMCP	СР
6	State and Local Government Job Groups	50,000	NSMCP	NSMCP	СР
7	Educational Attainment and Younger Age groups	50,000	NSMCP		СР
8	Detailed Census Occupation Categories and 5 Educational Attainment Levels	50,000		NSMCP	
9	Detailed Census Occupation Categories and 6 Educational Attainment Levels	100,000		NSMCP	
10	Detailed Census Occupation Categories and 90 Industry Groups	100,000		NSMCP	
11	Detailed Census Occupation Categories and Earnings	100,000		NSMCP	
12	Detailed Census Occupation Categories and Older Age Groups	100,000		NSMCP	
13	Detailed Occupation by Unemployment Status	100,000	NSMC		
14	Unemployment Status by Older Age Groups (no race/ethnicity)	100,000	NSMC		

¹ EEO county sets are used in Table Set 1 for residence. EEO county sets are aggregations of counties that together have a population of 50,000 or more.

Nation and state geographies **do not** have thresholds. Commuting flows require at least 50 unweighted cases. KEY

N = Nation

S = States

M = Metro/Micro areas

C = Counties

P = Places



How to access the EEO Tabulation Data

- EEO Tabulation Webpage from Census website (http://www.census.gov/people/eeotabulation/)
- American FactFinder's Advanced Search
 (http://factfinder2.census.gov/faces/nav/jsf/pages/guided_se_arch.xhtml)
- American FactFinder's Download Center (http://factfinder2.census.gov/faces/nav/jsf/pages/download_center.xhtml)
- FTP site (http://www.census.gov/people/eeotabulation/)

Table ID on AFF

EEO = Equal Employment Opportunity Tabulation

ALL = Includes data for both citizens and non-citizens

CIT = Data for citizens only

NCIT = Data for non-citizens

= Table set number 01-14

W = Worksite/Commuting flows data

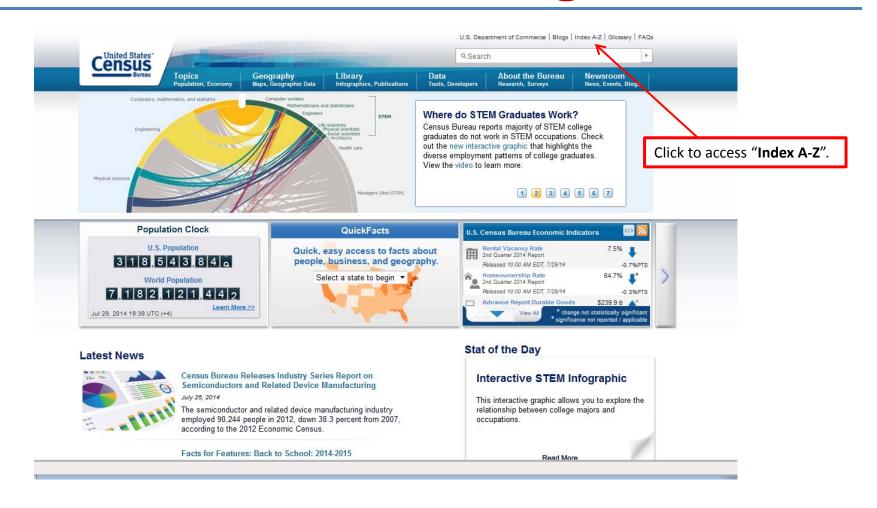
or R = Residence data

Only for Table Set 7 (divided due to large amount of data)-

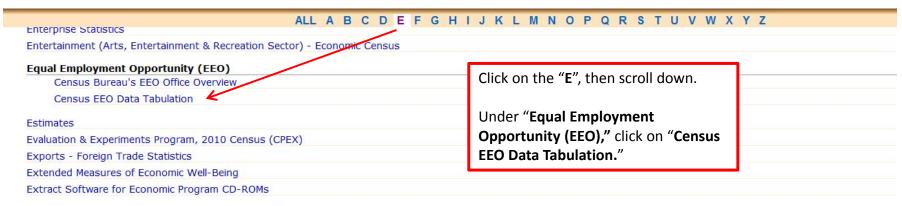
N# = Number - part # 1 or 2

P# = Percent - part # 1 or 2

How to access from www.census.gov



Index A-Z



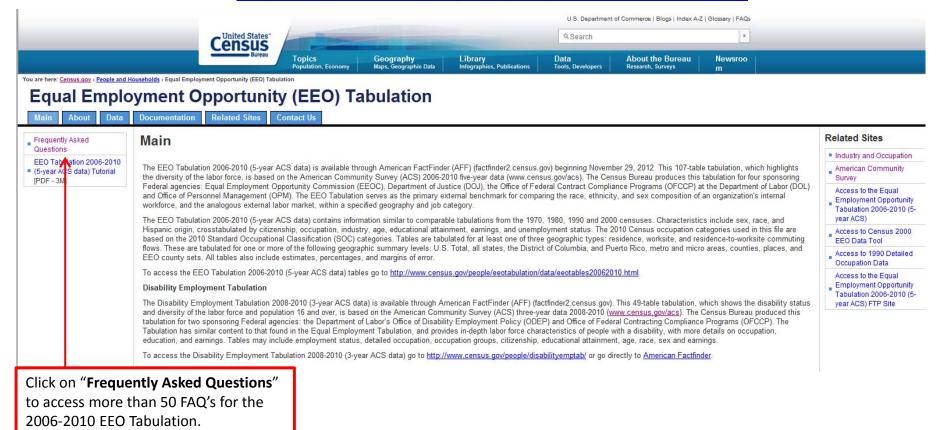
[PDF] or Adobe a file in Adobe's Portable Document Format. To view the file, you will need the Adobe® Reader® - available free from Adobe.

Source: U.S. Census Bureau, Application Services Division (ASD) Listings Last Updated / Revised: July 21 2014

ABOUT US FIND DATA **BUSINESS & INDUSTRY** PEOPLE & HOUSEHOLDS SPECIAL TOPICS NEWSROOM Are You in a Survey? QuickFacts Help With Your Forms 2010 Census Statistics in Schools FAOs American FactFinder Economic Indicators 2000 Census Tribal Resources (AIAN) Release Schedule Director's Corner Emergency Preparedness Facts for Features Easy Stats American Community Regional Offices Population Finder E-Stats Statistical Abstract Blogs History 2010 Census International Trade Special Census Program Multimedia Poverty Fraudulent Activity & Economic Census **Export Codes** Population Estimates Scams Scientific Integrity Interactive Maps NAICS Population Projections Recovery Act Jobs @ Census Training & Workshops Governments Health Insurance USA.gov Local Employment Data Tools Diversity @ Census Dynamics BusinessUSA.gov **Business Opportunities** Survey of Business Owners International Congressional and Catalogs Publications Contact Us CONNECT WITH US Accessibility | Information Quality | FOIA | Data Protection and Privacy Policy | U.S. Department of Commerce

Equal Employment Opportunity (EEO) Tabulation Main Page

http://www.census.gov/people/eeotabulation/



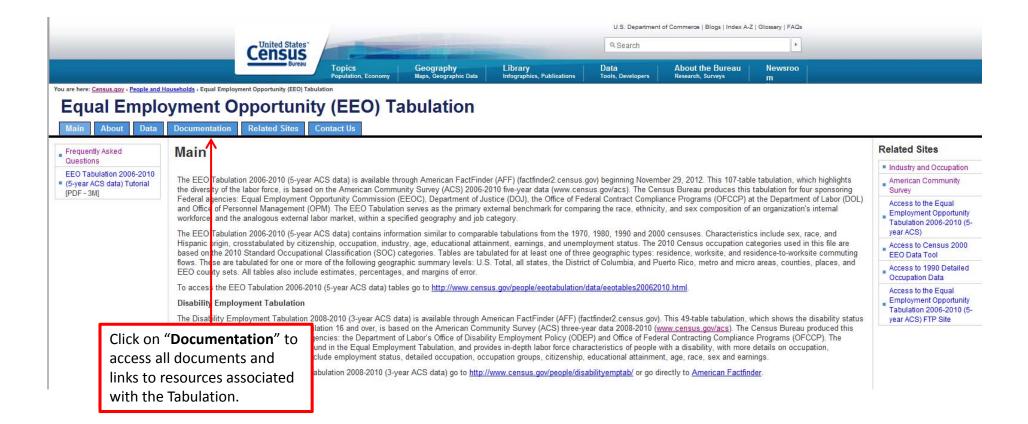
Equal Employment Opportunity (EEO) Tabulation Frequently Asked Questions

http://www.census.gov/people/eeotabulation/about/faq5year.html



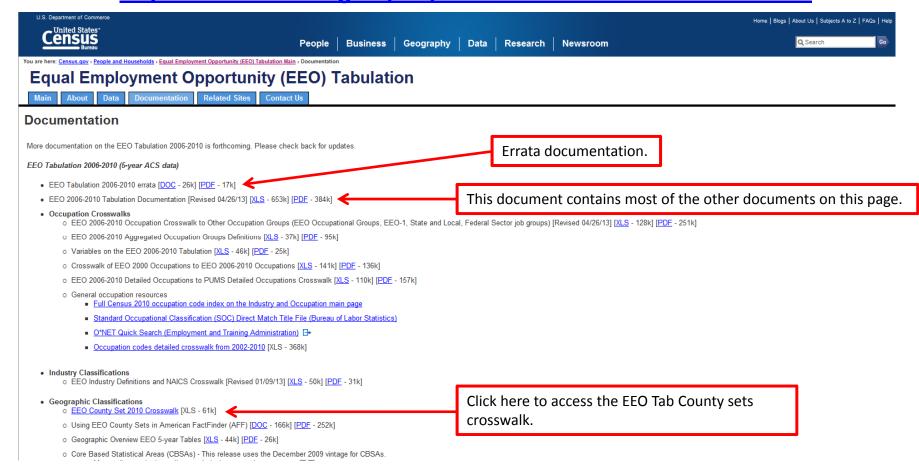
Equal Employment Opportunity (EEO) Tabulation Main Page

http://www.census.gov/people/eeotabulation/



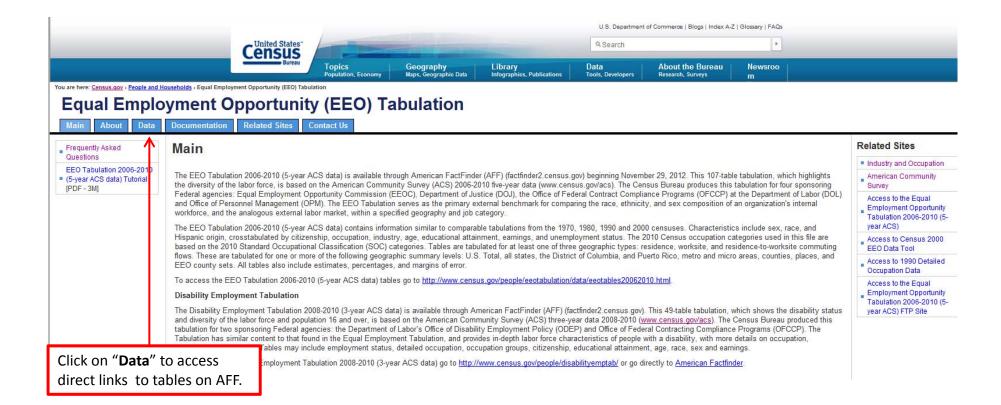
EEO 2006-2010 Tabulation Documentation

http://www.census.gov/people/eeotabulation/documentation/



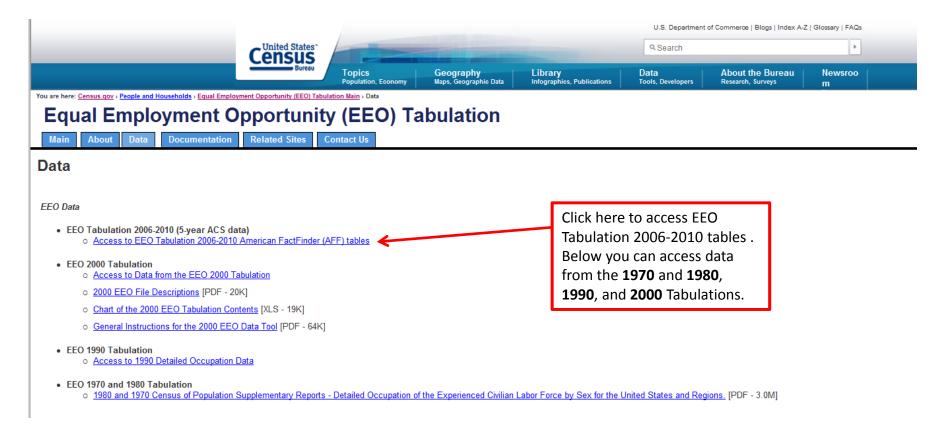
Equal Employment Opportunity (EEO) Tabulation Main Page

http://www.census.gov/people/eeotabulation/



Equal Employment Opportunity (EEO) Tabulation Data Page

http://www.census.gov/people/eeotabulation/data/



EEO 2006-2010 Tabulation Data

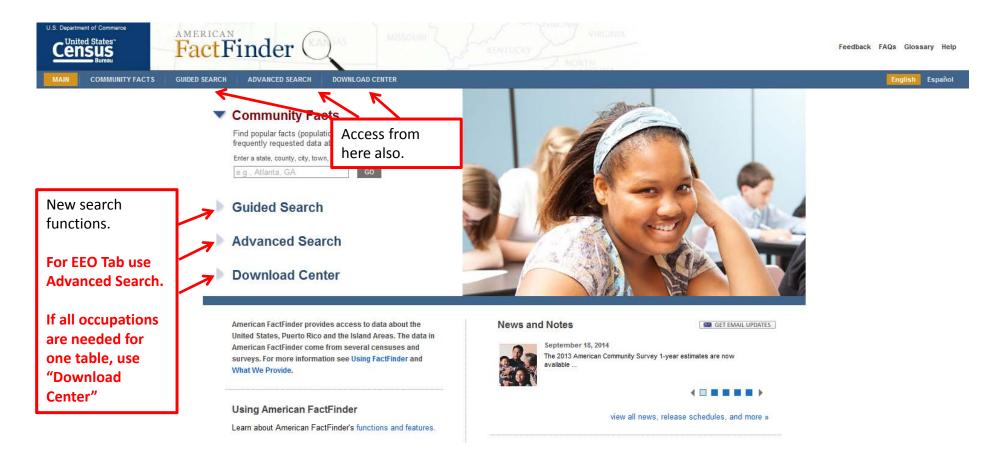
http://www.census.gov/people/eeotabulation/data/eeotables20062010.html



If you are looking for tables with:

- EEO Occupational Groups data, then access
 Table Set 3
- EEO-1 Job Groups data, then access Table Set
- Federal Sector data, then access Table Set 5
- State and Local Government data, then access
 Table Set 6

The American FactFinder



Also on AFF main page – What We Provide?

American FactFinder provides access to data about the United States, Puerto Rico and the Island Areas. The data in American FactFinder come from several censuses and surveys. For more information see Using FactFinder and What We Provide.

Using American FactFinder

Learn about American FactFinder's functions and features.

What We Provide

The following data are available on American FactFinder:

- American Community Survey more » | get data »
- American Housing Survey more » | get data »
- Annual Economic Surveys more »
- Annual Surveys of Governments more »
- Census of Governments more » | get data »
- Decennial Census more » | get data »
- Economic Census more » | get data »
- Equal Employment Opportunity (EEO) Tabulation more » | get data »
- Population Estimates Program more » | get data »
- Puerto Rico Community Survey more » | get data »

more »

Deep Linking Guide

A how-to guide for Building Deep Links into American Factfinder (PDF) is available.



Address Search

Find Census data by entering a street address.



Reference Maps

Reference Maps show selected geographic boundaries for an area along with orienting features, such as roads.

United States ▼

Load Query

Use Load Query to restore a previously saved query.



Access

information

access data.

on Tab or

AFF – What We Provide?



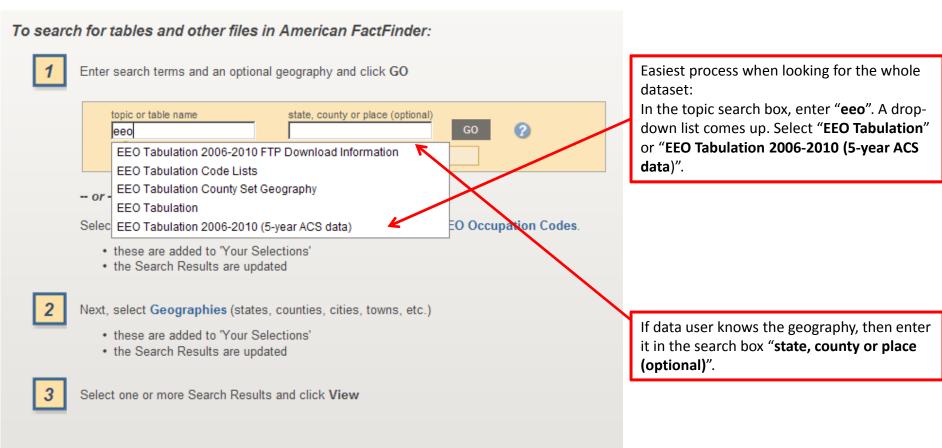
Advanced Search – recommended Search all data, geographies and datasets



Advanced Search – Main page→



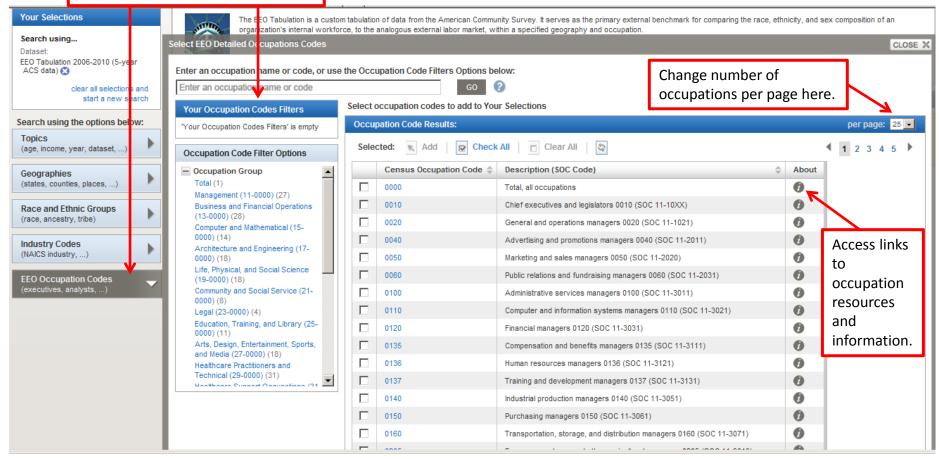
Advanced Search – → Search Box →



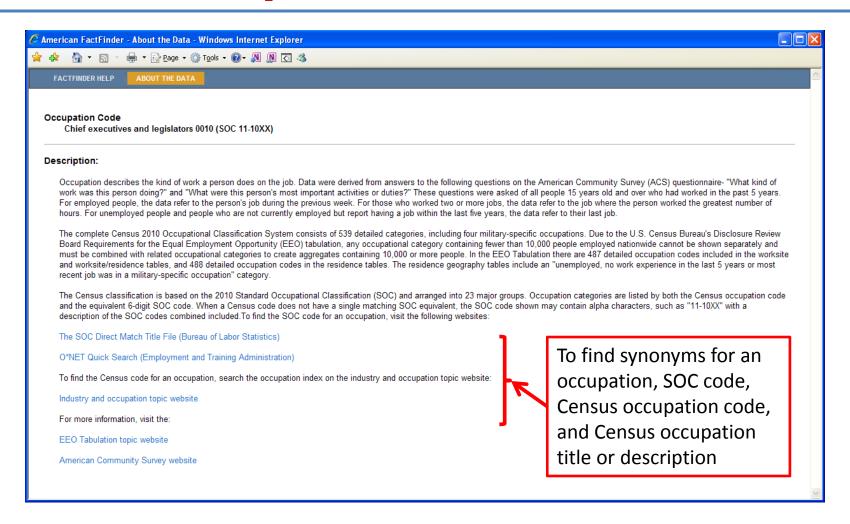
Advanced Search – → List of available tables for EEO Tabulation →

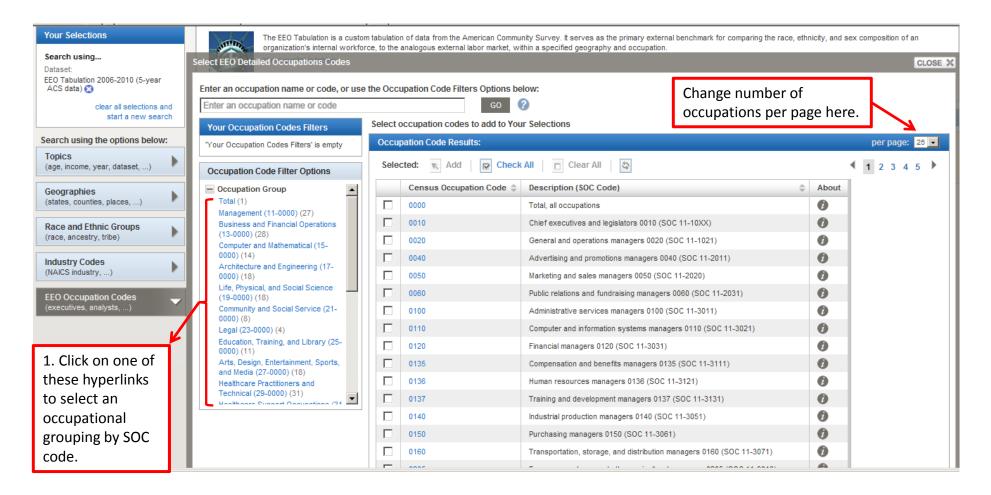
"Your Selections" box lets the data user know what is showing up in the "Search Results" section. Search - Use the options on the left (topics, geographies, ...) to narrow your search results **Your Selections** Recommendations (1) HIDE **☆** Search using... The EEO Tab liation is a custom tabulation of data from the American Community Survey. It serves as the primary external benchmark for comparing the race, ethnicity, and sex composition of an organization internal workforce, to the analogous external labor market, within a specified geography and occupation. Dataset: EEO Tabulation 2006-2010 (5-year View available tables ACS data) 🔇 clear all selections and start a new search Search Results: 1-25 of 118 tables and other products match 'Your Selections per page: 25 -Search using the options below: topic or table name state, county or place (optional) (age, income, year, dataset, ...) 0 Refine your search results: € topics ○ race/ancestry ○ industries ○ occupations Geographies (states, counties, places, ...) Selected: View Download Compare Clear All **1** 2 3 4 5 Race and Ethnic Groups (race, ancestry, tribe) Table, File or Document Title Dataset About Industry Codes EEO Tabulation 2006-2010 (5-EEO-ALL01R EEO 1r. Detailed Census Occupation by Sex and Race/Ethnicity for Residence Geography (NAICS industry, ...) year ACS data) EEO Tabulation 2006-2010 (5-EEO-ALL01W 0 EEO 1w. Detailed Census Occupation by Sex and Race/Ethnicity for Worksite Geography **EEO Occupation Codes** year ACS data) (executives, analysts, ...) EEO Tabulation 2006-2010 (5-EEO-ALL02R EEO 2r. Detailed Census Occupation by Sex, and Race/Ethnicity for Residence Geography, Total Population vear ACS data) EEO Tabulation 2006-2010 (5-EEO-ALL02W EEO 2w. Detailed Census Occupation by Sex, and Race/Ethnicity for Worksite Geography, Total Population year ACS data) EEO Tabulation 2006-2010 (5-EEO-ALL03R EEO 3r. EEO Occupational Groups by Sex, and Race/Ethnicity for Residence Geography, Total Population year ACS data) EEO Tabulation 2006-2010 (5-EEO-ALL03W EEO 3w. EEO Occupational Groups by Sex, and Race/Ethnicity for Worksite Geography, Total Population 0 year ACS data) EEO Tabulation 2006-2010 (5-

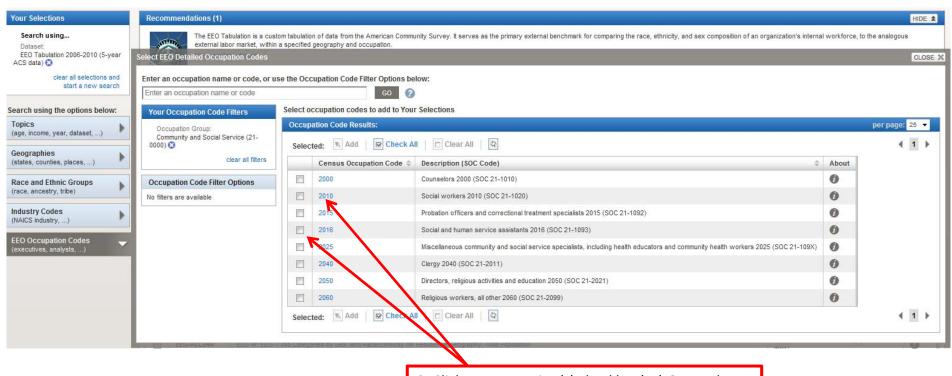
Select detailed occupations here.



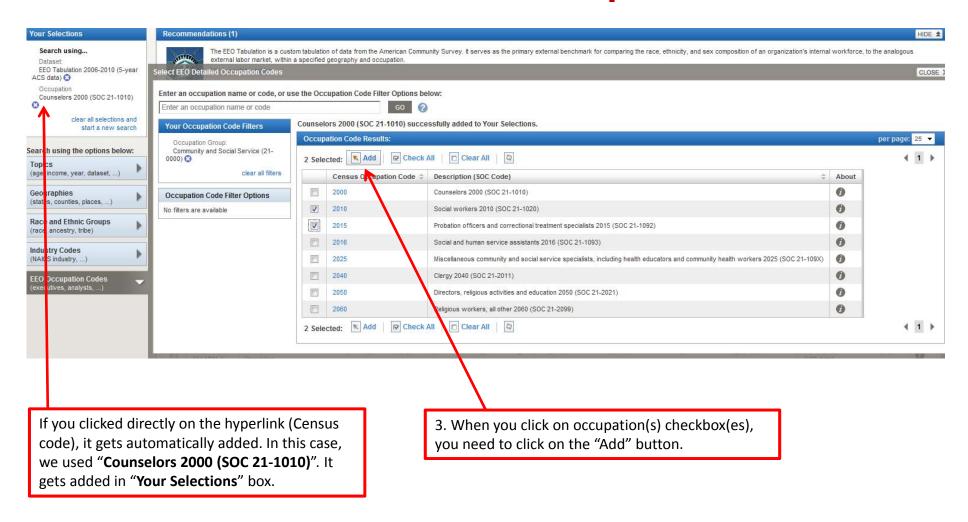
Occupation Information

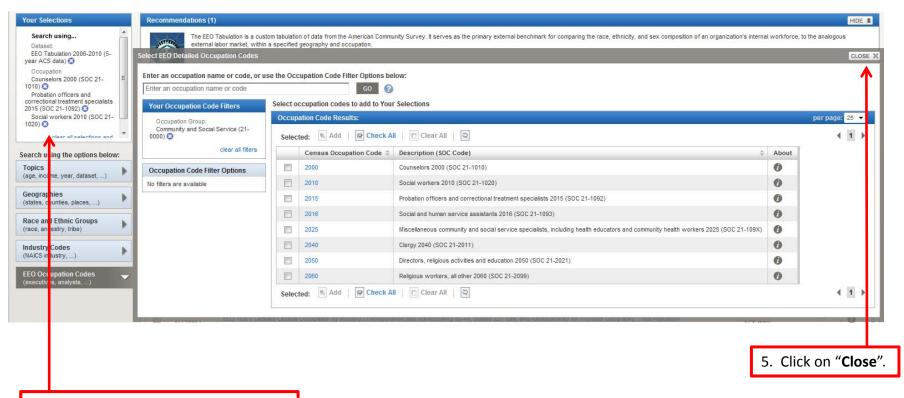






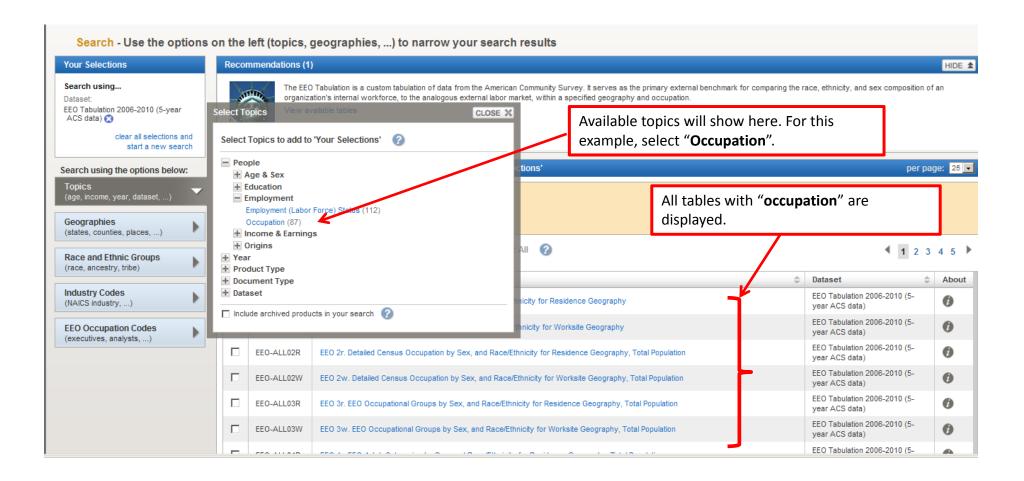
2. Click on occupation(s) checkbox(es) **OR** on the hyperlink of the occupation code.



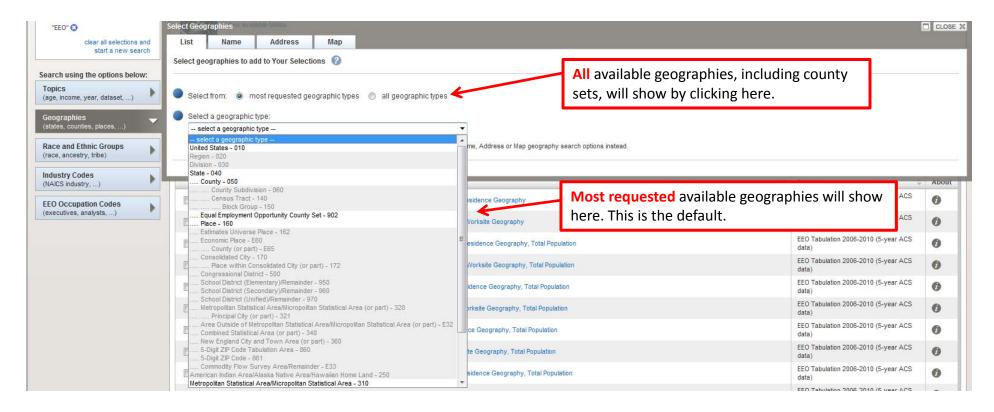


4. Once you click on "Add," then the occupations show on "Your Selections".

Advanced Search – → Select topics →



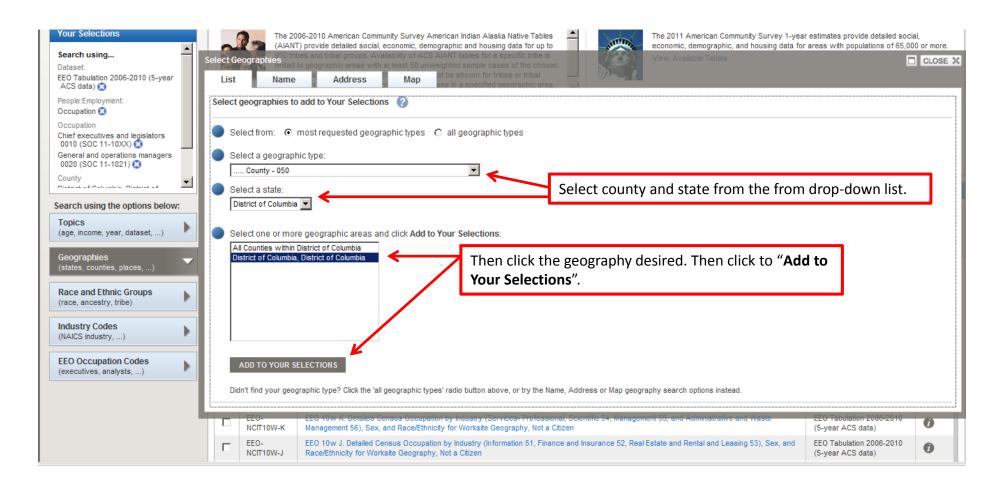
Advanced Search – → Select geographies →



Available geographies will NOT be grayed out.

Advanced Search -

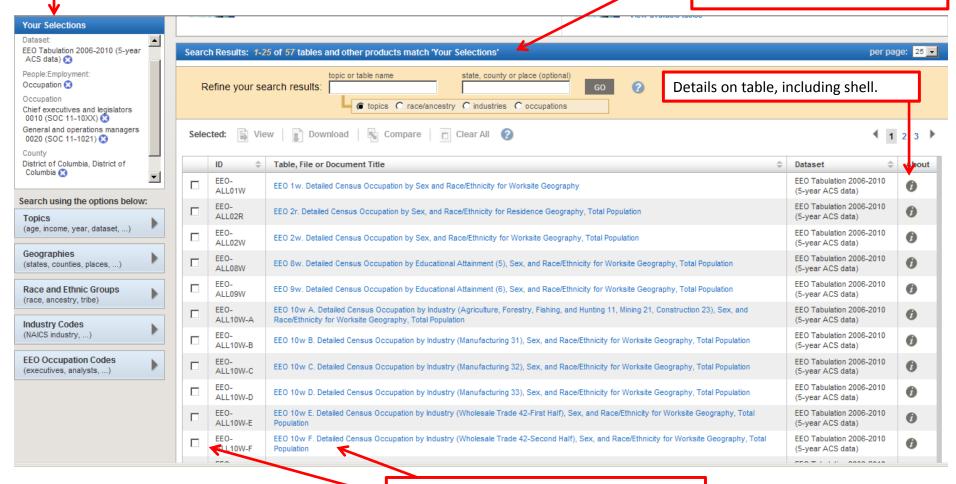
→ Select geographies example: District of Columbia →



Advanced Search – → Final Search results →

Your selections includes what items the user has searched for.

List of all tables that include the combination of what data user searched for. In this example, there are 57 tables.





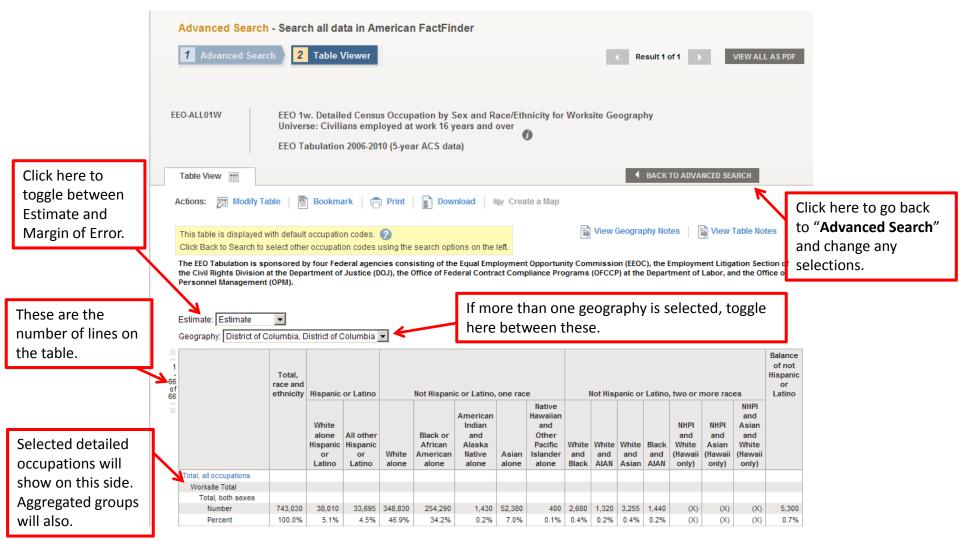
U.S. CENSUS BUREAU

census.gov

U.S. Department of Commerce **Economics and Statistics Administration**

To access table, click on table ID (hyperlinked) or click on the checkbox next to the table, then "View" or "Download".

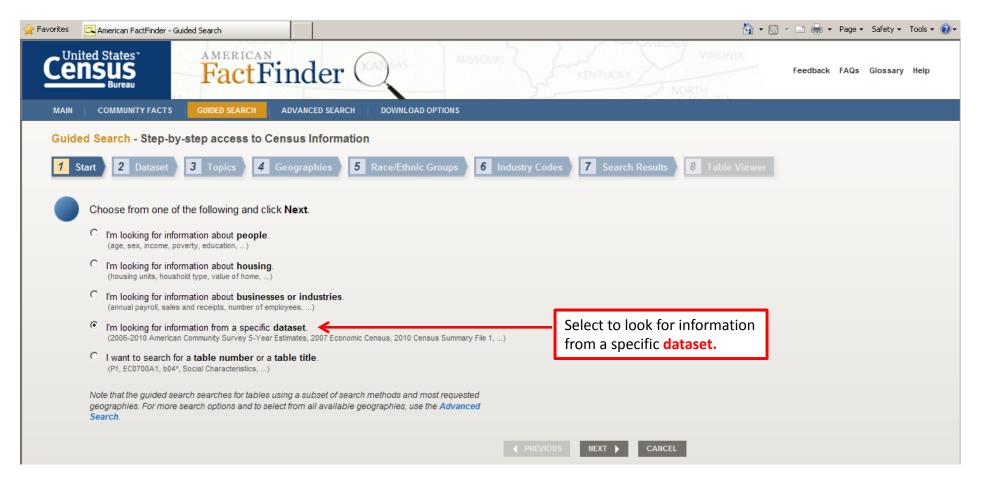
Advanced Search – → Table →



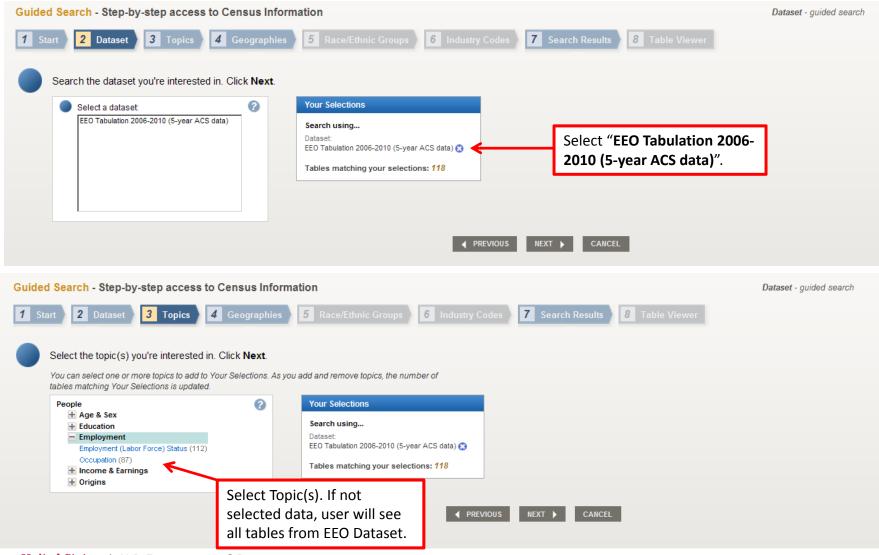
Guided Search – Step-by-step access to Census Information



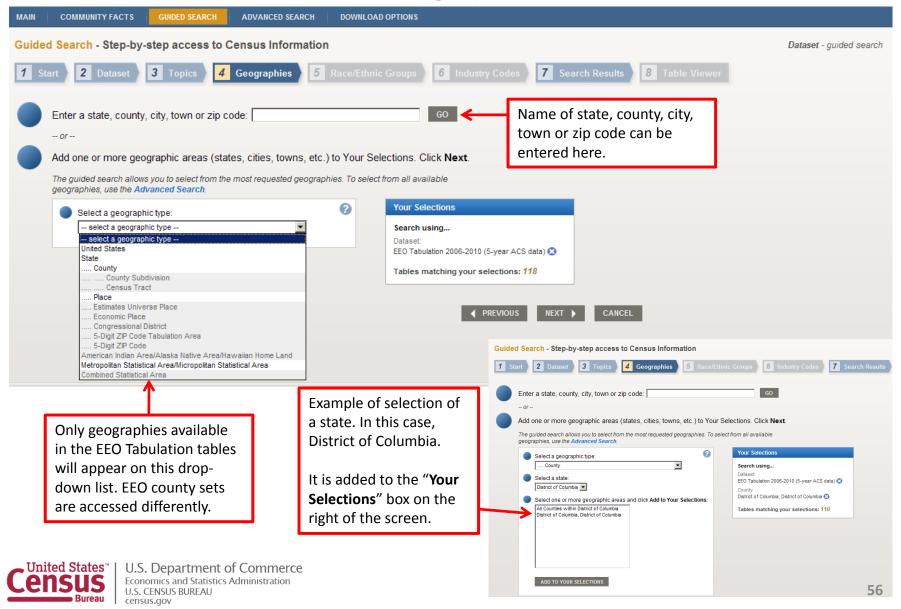
Guided Search – Start →



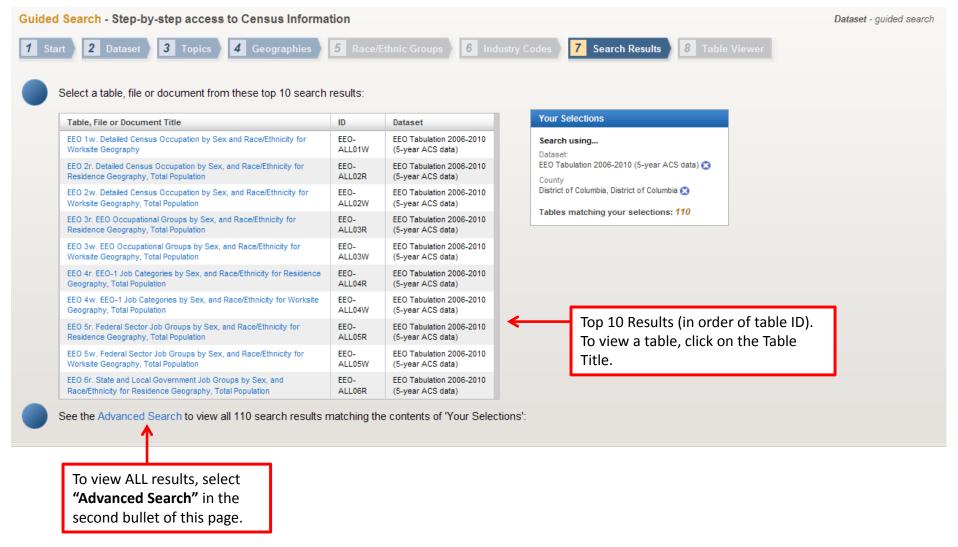
Guided Search – → Dataset→Topics →



Guided Search – → Geographies →



Guided Search → Search Results →

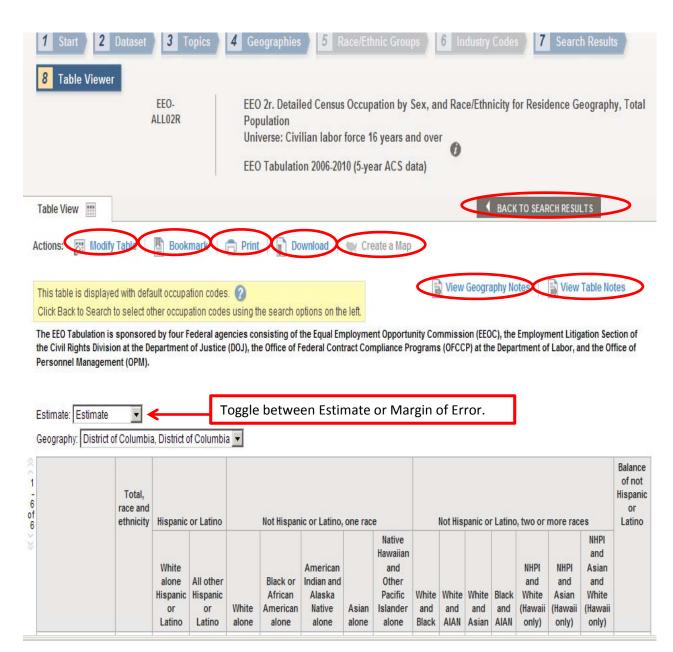


Guided and Advanced Search – → Table Viewer

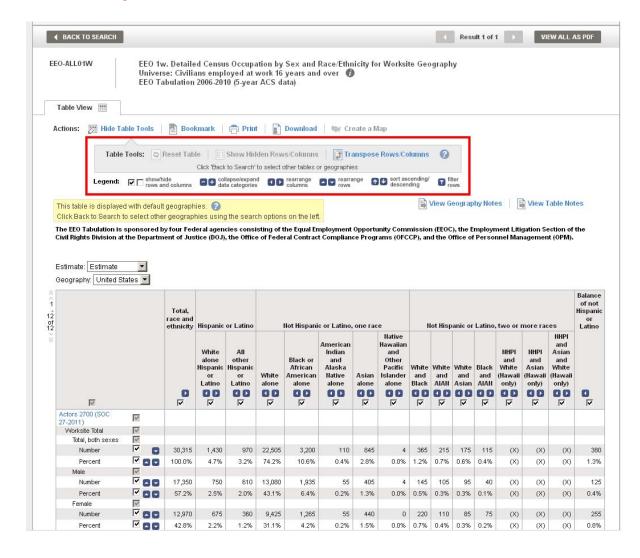
Data products that you select to "View" will be displayed in a new page. From there, you can choose from several options to work with your data product.

These options include:

- Modify Table
- Bookmark
- Print
- Download
- Create a Map
- View All As PDFs (limited to 3 tables at one time)
- View Geography Notes
- View Table Notes
- Back to Search Results



Modify Table These options may not be available on every table.

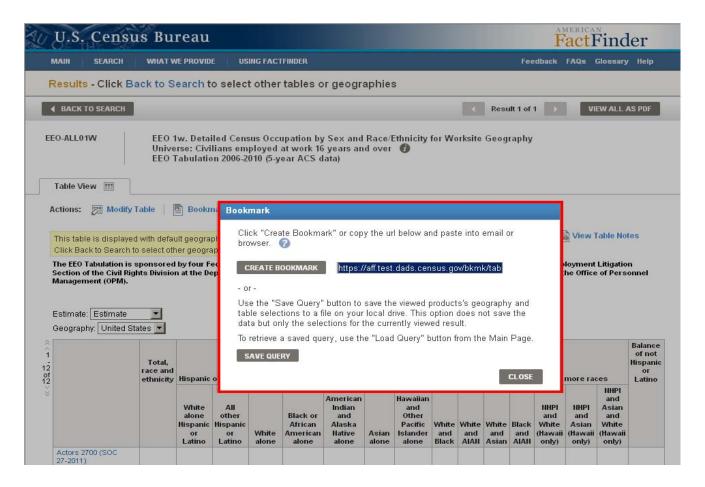


Select the Modify Table option to see "Table Tools" that allow you to modify the view of your table. "Table Tools" include:

- Show/hide rows and columns
- Collapse/Expand data categories
- Rearrange columns and rows
- Sort ascending/descending
- Filter rows
- Reset Table (to original view)
- Show Hidden rows/columns
- Transpose Rows and Columns

Bookmark

Select this option to create a **Bookmark** or to "Save a Query" of a table selection. You can either save a bookmark to your Internet Browser, copy the URL, or save it as a "Query" in the location you designate. A Query will save a .aff file to your computer that you can later access to return back to see the same table. Save Query will be the only option available for complex tables or tables that you have modified using the table tools. Use the "Load Query" option from the Main page to access previously saved tables.



Download Function

Download



Used to extract and save tables from AFF in the following formats:

Comma delimited (.csv)

- Data and annotations in a single file (.csv)
- Data and annotations in separate files (.csv)

By default, descriptive data element names are included on the .csv format.

Presentation-ready

- PDF
- Microsoft Excel (.xls), and
- Rich Text Formats (.rtf)

Select a download format and click OK.

Comma delimited (.csv) format (data rows only)
(.csv is compatible with spreadsheet programs such as Microsoft Excel)

Data and annotations in a single file
Data and annotations in separate files
Include descriptive data element names

	Orientation —		
Microsoft Excel (.xls)	Portrait Landscape		
Rich Text Format (.rtf)			
	Paper size		
	@ 8 1/2" x 11"		
	© 8 1/2" x 14"		

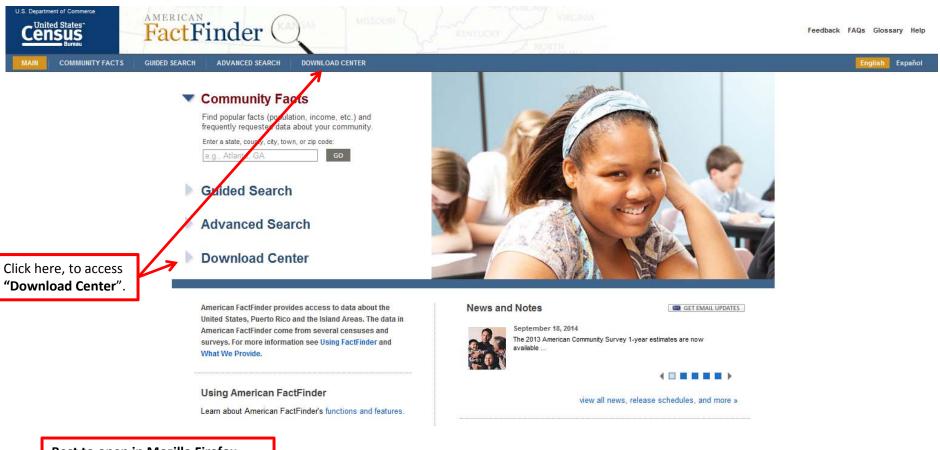
[PDF] or indicate a document in Adobe's Portable Document Format. To view the file you will need the Adobe® Acrobat® Reader → available free from Adobe.



CANCEL

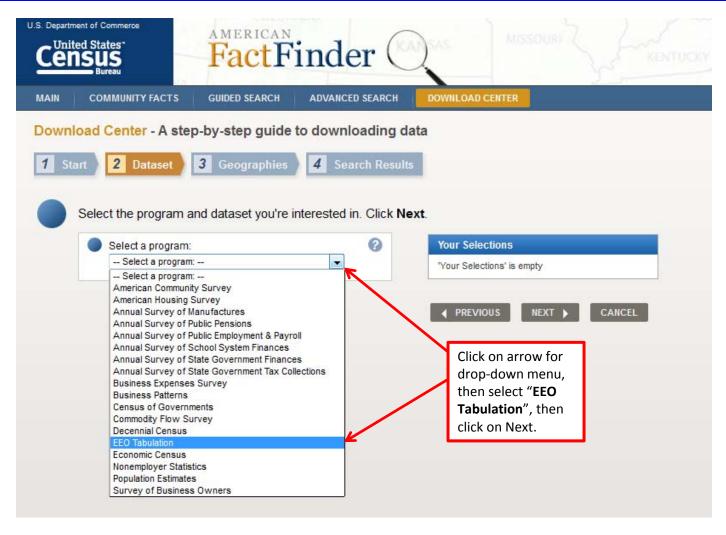


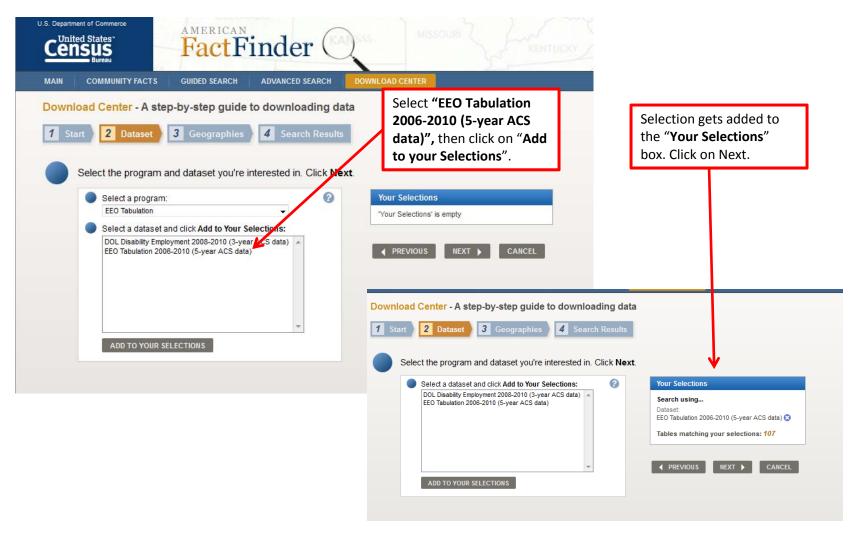
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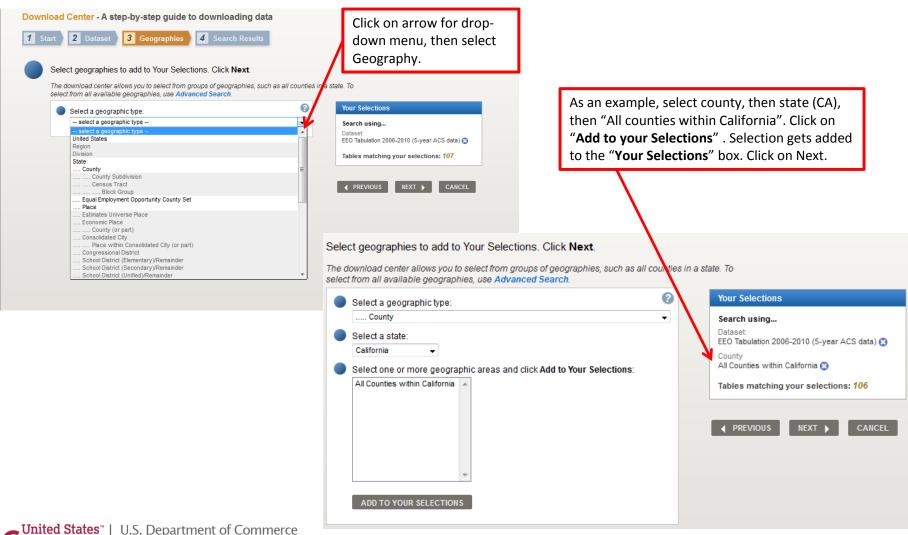


Best to open in Mozilla Firefox.

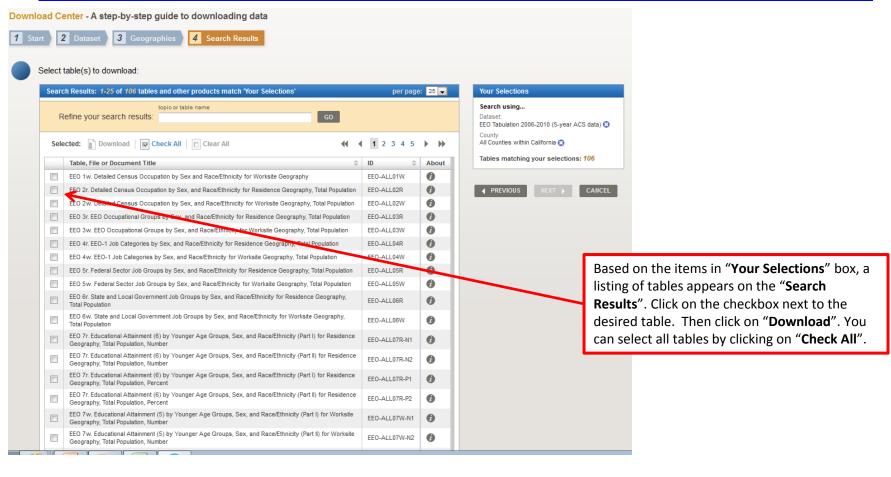








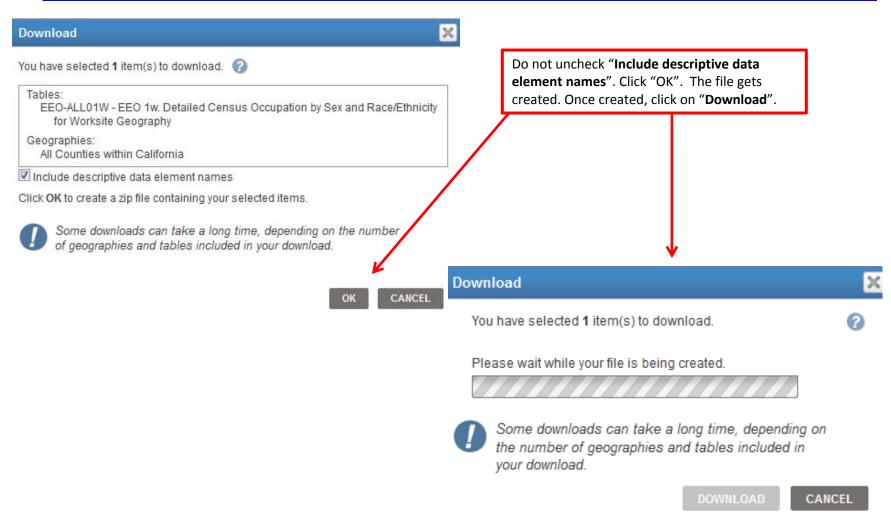
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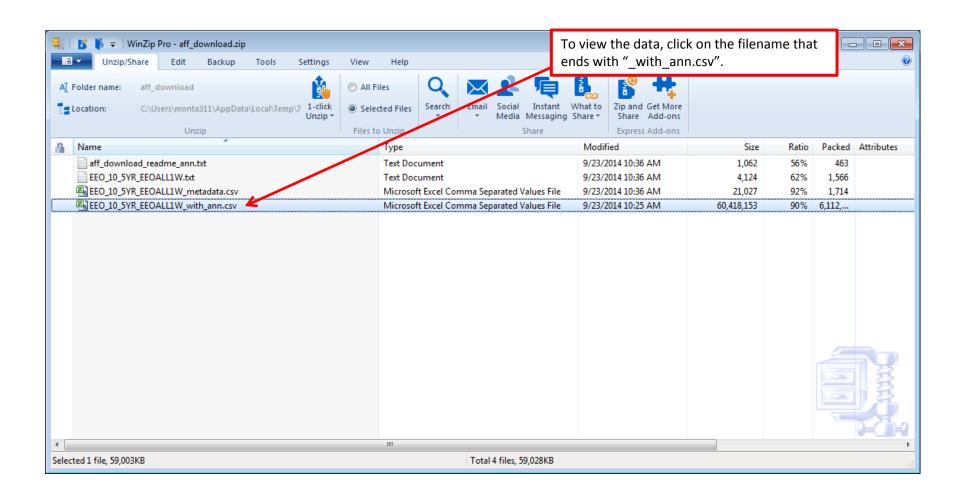


44 1 2 3 4 5 **> >>**

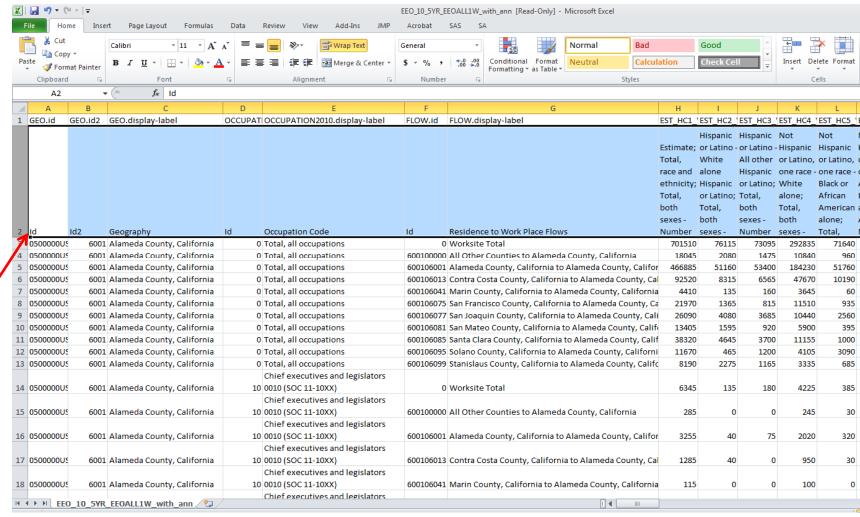


1 Selected: Download Check All Clear All





Download Center- Example of Downloaded Table





Column

names.

FTP site

http://www2.census.gov/EEO 2006 2010/

Census Bureau People	Business Geography	Data I	Research	Newsroom
<u>Name</u>	Last modified	Size Descrip	tion	
Parent Directory		-		
ACS2010 EEO FTP Techdoc.pdf	12-Feb-2013 09:31	286K		
EEO-10-5yr-geographic-header-file.zip	21-Jun-2013 13:13	2.3M		
EEO-2010-5-Year-subject-table-shells.xls	09-Jan-2013 08:56	2.2M		
EEO-Errata notes-2013 jun 13.pdf	17-Jun-2013 17:20	17K		
EEOTabulation2006-2010FTPSiteTableRef	<u>erences.zip</u> 08-Feb-2013 17:02	177K		
EEO 2006 2010 Tables All In 2 Giant I	Files/ 17-Jun-2013 17:12	-		
EEO 2006 2010 Tables By Table Set/	17-Jun-2013 14:59	-		
eo-10 5yr-sample-file-layouts.zip	16-May-2013 16:38	25K		
eeo data.sas	25-Aug-2014 17:08	7.7K		
eo geographic file.sas7bdat	31-Jul-2014 10:41	2.8M		
eo geographic flows.sas7bdat	31-Jul-2014 10:41	1.8M		
able_shells.sas7bdat	31-Jul-2014 10:41	8.4M		

- For more experienced data users
- Contains ASCII versions of the same tables as AFF
- Contains SAS programs to convert ASCII files to SAS files
- Includes Table Shells document and sample file layout

For questions, contact:

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