Showing You the Data

John Blodgett

Office of Social & Economic Data Analysis (OSEDA): UM - Columbia

and

Missouri Census Data Center (MCDC)

Presented at the 2004 Missouri Grants Summit pre-Conference Workshop Aug. 3, 2004

grants_summit04.ppt

Today's Focus

- Demographic/census data.
- Primary sources:
 - The Census Bureau's *American FactFinder* web site.
 - Missouri Census Data Center web site.

Bookmarking Web Pages

• This ppt presentation has "hot links" to all the pages referenced.

• The presentation can be accessed/downloaded from

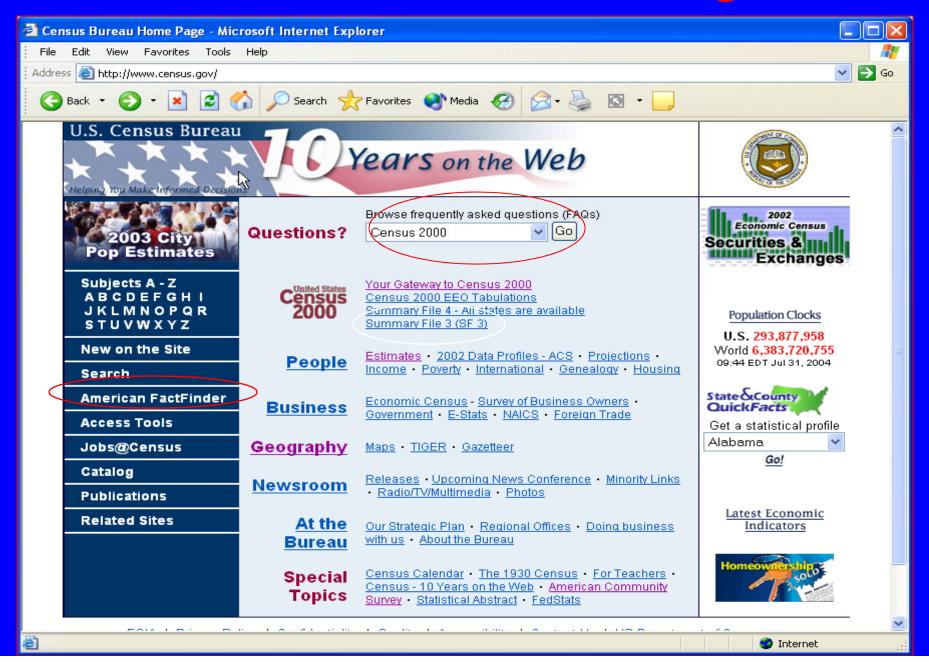
mcdc2.missouri.edu/presentations/grants_summit04.ppt

• So this is the only URL that you really need to know.

Getting Started

- Assuming you are not familiar with census data.
- Nothing real difficult here, but stuff you need to know.
- Best place to start getting acquainted with census data is at the Census Bureau web site.

Census Bureau Home Page



From the Census 2000 FAQ

I am ew to Census Bureau data so how do I find what I need?

Question

I am new to Census Bureau data so how do I find what I need?

Answer

Three factors usually affect the search for data from the Census Bureau: topic (e.g., population), geography (e.g., my state), and time period (e.g., most recent year).

People usually want data on a topic for a place in a given year. Generally the larger the geographic area, the more topics and time periods you can find. The Census Bureau has extensive data at the U.S. level and substantial data for states and counties, somewhat less for cities (i.e., incorporated places). At present, we release data for the very smallest areas (census tracts, block groups, and blocks) only once a decade after we tabulate the results of the Population and Housing Census. Eventually the <u>American Community Survey</u> will allow the Census Bureau to release data more frequently for areas as small as census tracts.

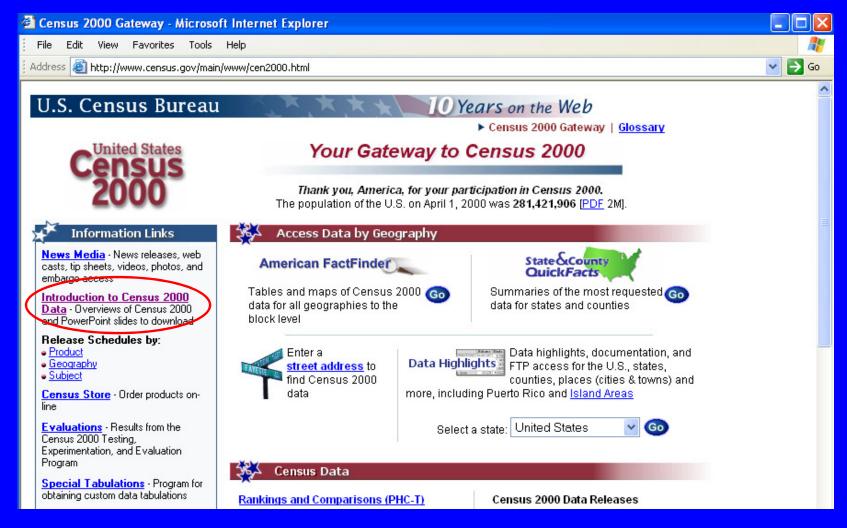
Some Assumptions Re Your "Query"

- You want more than just a data item or two for the area of interest.
- You probably want to see a "profile" product (with carefully chosen data about 1 area for a topic.)
- You need relatively small geography in most cases below the county level.
- You want the latest data that is freely available.

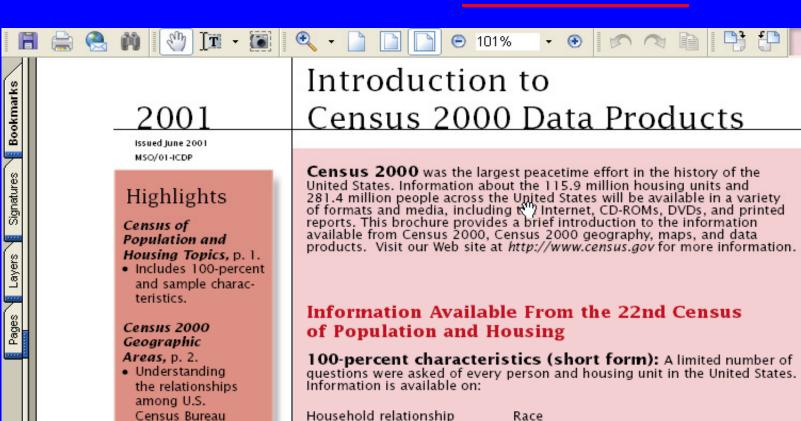
Topics

- What subject matter is available from the census?
- Housing and population are the broad categories.
- The Census is just a large survey. To see what's possible, look at the <u>survey form(s)</u>.
- You will find (for example) that there was no question re medical insurance on the census form.

Census 2000 Gateway (linked to from CB home page)



The 2k Census Intro Doc



Census 2000 Data Products Available in Many Forms, p. 3.

geographic entities.

- Internet access
- CD-ROM, DVD
- Printed reports

Maps and

Sex Tenure (whether the home is owned or rented)

Age Vacancy characteristics

Hispanic or Latino origin

Sample characteristics (long form): Additional questions were asked of a sample (generally 1-in-6) of persons and housing units. Data are provided on:

Population Marital status Place of birth, citizenship, and

Housing
Value of home or monthly rent paid
Units in structure

Information Available From the 22nd Census of Population and Housing

100-percent characteristics (short form): A limited number of questions were asked of every person and housing unit in the United States. Information is available on:

Household relationship Race

Sex Tenure (whether the home is owned or rented)

Age Vacancy characteristics

Hispanic or Latino origin

Sample characteristics (long form): Additional questions were asked of a sample (generally 1-in-6) of persons and housing units. Data are provided on:

Population

Marital status Place of birth, citizenship, and vear of entry School enrollment and educational attainment Ancestry Migration (residence in 1995) Language spoken at home and ability to speak English Veteran status Disability Grandparents as caregivers Labor force status Place of work and journey to work Occupation, industry, and class of worker Work status in 1999 Income in 1999

Housing

Value of home or monthly rent paid
Units in structure
Year structure built
Number of rooms and number
of bedrooms
Year moved into residence
Plumbing and kitchen facilities
Telephone service
Vehicles available
Heating fuel
Farm residence
Utilities, mortgage, taxes,
insurance, and fuel costs

Census 2K Data Products

- Summary File 1 ("sf1") and Summary File 3 ("sf3") are the most important (widely used) data products.
- Sf3 is the superstar of the Census. Long form data.
- Profile products are derived from these 2 summary files.
- Geography is a huge and somewhat complex aspect of census data.
- Most census data describes (via summary tables) a geographic area (country, tract, ZIP code, etc.)

Accessing the Data

• So far we've talked about where to go to get information about what's available and/or what you may need to know.

• Now let's get to the good part: actually accessing the data.

AFF / Census Bureau vs. OSEDA/MCDC

- You can access census data from many sites on the web, but we'll focus on just two.
- American FactFinder is an incredibly powerful tool for accessing the data.
- AFF has great metadata and is very user friendly.
- The Missouri sites have custom MO geographies (school districts, RPCs,etc)
- The MO extraction tools have a learning curve but are sometimes preferred by power users.
- In some cases the MO sites provide better menu interfaces to Census products.

American FactFinder

Site



or more population) are in the Western states of Arizona,

Or

American FactFinder

- This is a huge site where you can spend days browsing, extracting and taking tutorials.
- We will be focusing on a small subset related to accessing the latest decennial census data.
- The site has metadata everywhere. There is a Help button on the main toolbar displayed at the top of each page.
- Do not use your browser's "Back" button while in AFF. Instead use the "bread crumbs" that appear at the top of each page (except the first one).

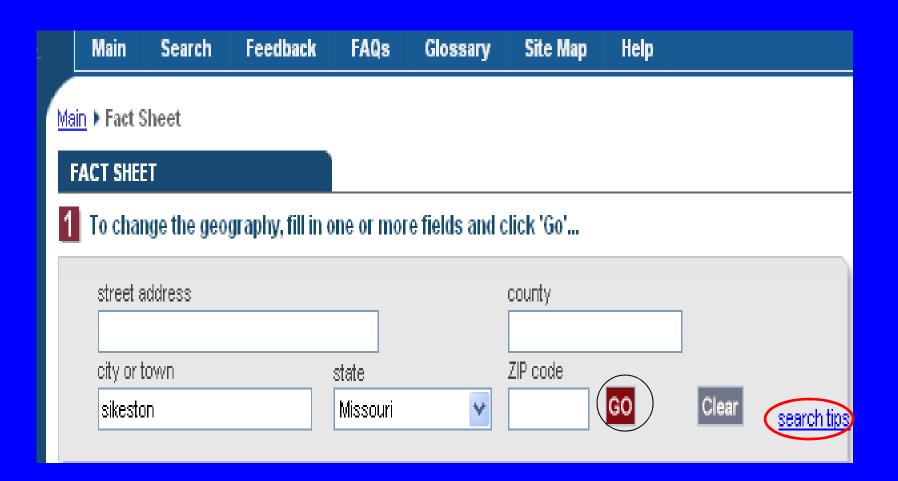
American FactFinder Main Page Choices

- Fact Sheet
- Census Overview
- Data Sets
- Maps and Geography
- Note that choices "down the middle" replicate those made from the left-side menu bar.
- There are also many topical choices that will vary— "what's new" items.

AFF Fact Sheet

	Main	Search	Feedback	FAQs	Glossary	Site Map	Help			
Mai	<u>n</u> ▶ Fact S	heet								
F	ACT SHEE	T		1	No.					
1	To char	nge the geo	graphy, fill in	one or mo	re fields and	click 'Go'				
	street a	ddress				county		_		
	city or t	own		state		ZIP code	00	Oleven		
				select a	state		GO	Clear	sear	ch tips
2	Results									
20	E	United	States					I	Referen	се Мар
Hig	hlights fr	om the Cer	ısus 2000 De	mographic	: Profiles:					
Ger	neral Cha	aracteristic	s - <u>show mor</u>	<u>e</u> >>			Number	Percent		
Т	otal popu	ılation					,421,906	100.0	<u>map</u>	brief
	Male						,053,563	49.1	<u>map</u>	brief
	Female					143	,368,343	50.9	<u>map</u>	brief
		<u>ု့e</u> (years)					35.3	Ø	<u>map</u>	<u>brief</u>
	Inder 5 ye						,175,798	6.8	<u>map</u>	
	8 years a						,128,094	74.3		
ь	5 years a	ind over					,991,753	12.4	<u>map</u>	<u>brief</u>
С)ne <u>race</u>						,595,678	97.6		
	White						,460,626	75.1	<u>map</u>	<u>brief</u>
		African Ame					,658,190	12.3	<u>map</u>	<u>brief</u>
		n Indian and	d Alaska Nativ	e			,475,956	0.9	<u>map</u>	brief
	Asian					10	,242,998	3.6	<u>map</u>	<u>brief</u>

Getting Data for Sikeston



Click on GO to Get Data





United States | Missouri | Sikeston city

Sikeston city, Missouri

Reference Map

Highlights from the Census 2000 Demographic Profiles:

General Characteristics - show. hyre >>	Number	Percent	U.S.		
Total population	16,992	100.0	100%	<u>map</u>	<u>brief</u>
Male	7,850	46.2	49.1%	<u>map</u>	<u>brief</u>
Female	9,142	53.8	50.9%	<u>map</u>	<u>brief</u>
<u>Median aqe</u> (years)	36.1	\propto	35.3	<u>map</u>	<u>brief</u>
Under 5 years	1,265	7.4	6.8%	<u>map</u>	
18 years and over	12,298	72.4	74.3%		
65 years and over	2,633	15.5	12.4%	<u>map</u>	brief
One <u>race</u>	16,824	99.0	97.6%		
White	12,832	75.5	75.1%	<u>map</u>	<u>brief</u>
Black or African American	3,800	22.4	12.3%	<u>map</u>	<u>brief</u>
American Indian and Alaska Native	46	0.3	0.9%	<u>map</u>	<u>brief</u>
Asian	63	0.4	3.6%	<u>map</u>	<u>brief</u>
Native Hawaiian and Other Pacific Islander	0	0.0	0.1%	<u>map</u>	<u>brief</u>
Some other race	83	0.5	5.5%	<u>map</u>	
Two or more races	168	1.0	2.4%	<u>map</u>	brief
Hispanic or Latino (of any race)	204	1.2	12.5%	<u>map</u>	<u>brief</u>
Average <u>household</u> size	2.45	∞	2.59	map	brief
Average family size	2.98	⋈	3.14	<u>map</u>	
Total housing units	7,428	100.0	100.0%	map	
Occupied housing units	6,779	91.3	91.0%		<u>brief</u>
Owner-occupied housing units	3,831	56.5	66.2%	<u>map</u>	
Renter-occupied housing units	2,948	43.5	33.8%	<u>map</u>	<u>brief</u>
Vacant housing units	649	8.7	9.0%	<u>map</u>	

Clicking on "show more"

You are nere: | Main | F All Data Sets | Data Sets With Quick Tables | Geography | Tables | Results

Use the links above to change your results

Options

Print / Downloa

DP-1. Profile of General Demographic Characteristics: 2000

Data Set: Census 2000 Summary File 1 (SF 1) 100-Percent Data

Geographic Area: Sikeston city, Missouri

NOTE: For information on confidentiality protection, nonsampling error, and definitions, see

http://factfinder.census.gov/home/en/datanotes/expsf1u.htm.

Subject	Number	Percent
Total population	16,992	100.0
SEX AND AGE		
Male	7,850	46.2
Female	9,142	53.8
Under 5 years	1,265	7.4
5 to 9 years	1,327	7.8
10 to 14 years	1,348	7.9
15 to 19 years	1,200	7.1
20 to 24 years	1,006	5.9
25 to 34 years	2,108	12.4
35 to 44 years	2,338	13.8
45 to 54 years	2,243	13.2
55 to 59 years	804	4.7
60 to 64 years	720	4.2
65 to 74 years	1,273	7.5
75 to 84 years	1,009	5.9
85 years and over	351	2.1
Median age (years)	36.1	(X)
	45.55	70.1
18 years and over	12,298	72.4
Male	5,396	31.8
Female	6,902	40.6
21 years and over	11,648	68.5

Bottom of "Fact Sheets"

Social Characteristics - show more >>	Number	Percent	U.S.		
Population 25 years and over	10,697	100.0	0.5.		
High school graduate or higher	7,839	73.3	80.4%	map	brief
Bachelor's degree or higher	1,517	14.2	24.4%	map	<u>101101</u>
Civilian veterans (civilian population 18 years and	·		12.7%		briof
over)	1,534	12.5	12.7 %	<u>map</u>	<u>brief</u>
Disability status (population 21 to 64 years)	2,095	23.5	19.2%	<u>map</u>	<u>brief</u>
Foreign born	95	0.6	11.1%	<u>map</u>	<u>brief</u>
Now married (population 15 years and over)	6,817	52.2	54.4%		<u>brief</u>
Speak a language other than English at home (5	323	2.1	17.9%	map	brief
years and over)					
Economic Characteristics - show more >>	Number	Percent	U.S.		
In labor force (population 16 years and over)	7,774	60.9	63.9%		brief
Mean travel time to work in minutes (population 16					
years and over)	15.3	(X)	25.5	<u>map</u>	<u>brief</u>
Median household <u>income</u> (dollars)	28,589	(×)	41,994	map	
Median family income (dollars)	36,420	×	50,046	map	
Per capita income (dollars)	15,509	8	21,857	map	
Families below poverty level	756	16.2	9.2%	map	brief
Individuals below poverty level	3,491	21.0	12.4%	<u>map</u>	
		_			
Housing Characteristics - show more >>	Number	Percent	U.S.		
Single-family owner-occupied homes	3,543	100.0			brief
Median value (dollars)	75,100	(X)	119,600	<u>map</u>	brief
Median of selected monthly owner costs		∞.			<u>brief</u>
With a <u>mortgage</u>	703	(X)	1,088	<u>map</u>	
Not mortgaged	226	∞	295		

Returning to Main AFF Page



- Use the "bread crumbs" menu along the top.
- Choose "main".

AFF Data Sets Option





The Decennial Census occurs every 10 years, in years ending in zero, to count the population and housing units for the entire United States. Its primary purpose is to provide the population counts that determine how seats in the U.S. House of Representatives are apportioned. more...

Other Resources

- · Census 2000 Gateway
- Census 2000 Release Schedule
- Census 2000 Notes and Errata (PDF - 2.2 MB)
- Download data sets via <u>FTP</u>

Explain Table and Map Formats

2000

Census 2000 Summary File 1 (SF 1) 100-Percent Data

Summary File 1 presents counts and information [age, sex, race, Hispanic/Latino origin, household relationship, whether residence is owned or rented] collected from all people and housing units.

Census 2000 Summary File 2 (SF 2) 100-Percent Data

Population and housing characteristics iterated for many detailed race and Hispanic or Latino categories, and American Indian and Alaska Native tribes.

SF 2 Thresholds

🔘 Census 2000 Summary File 3 (SF 3) - Sample Data

Summary File 3 presents detailed population and housing data (such as place of birth, education, employment status, income, value of housing unit, year structure built) collected from a 1-in-6 sample and weighted to represent the total population.

Select from the following options:

Detailed Tables
Geographic Comparison Tables
Quick Tables
Thematic Maps
Reference Maps

Custom Table

Enter a table number List all tables List all maps

About this data set
Technical Documentation (PDF)

Selecting sf3/Detailed Tables

2000 Census 2000 Summary File 1 (SF 1) 100-Percent Data

Summary File 1 presents counts and information (age, sex, race, Hispanic/Latino origin, household relationship, whether residence is owned or rented] collected from all people and housing units.

Census 2000 Summary File 2 (SF 2) 100-Percent Data

Population and housing characteristics iterated for many detailed race and Hispanic or Latino categories, and American Indian and Alaska Native tribes.

SF 2 Thresholds

© Census 2000 Summary File 3 (SF 3) - Sample Data

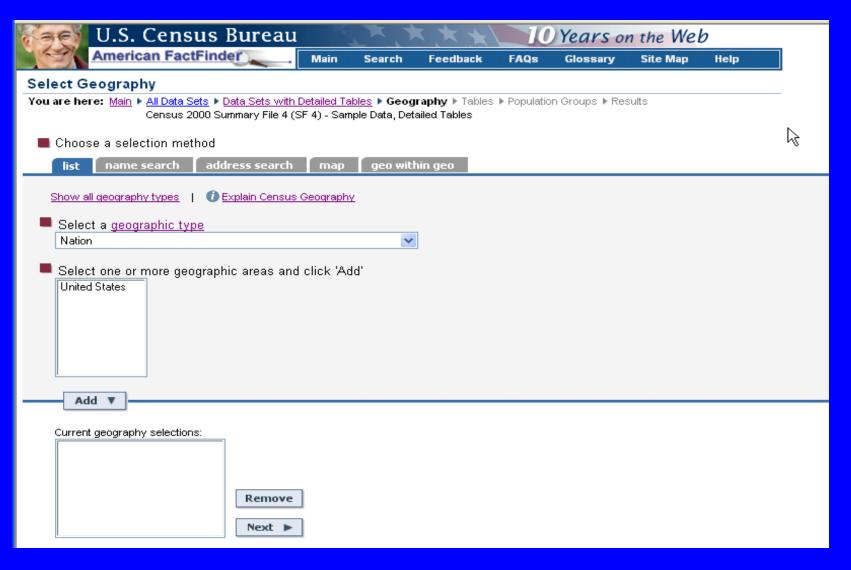
Summary File 3 presents detailed population and housing data (such as place of birth, education, employment status, income, value of housing unit, year structure built) collected from a 1-in-6 sample and weighted to represent the total population.

Comparing SF 3 Estimates with Corresponding Values in SF 1 and SF 2

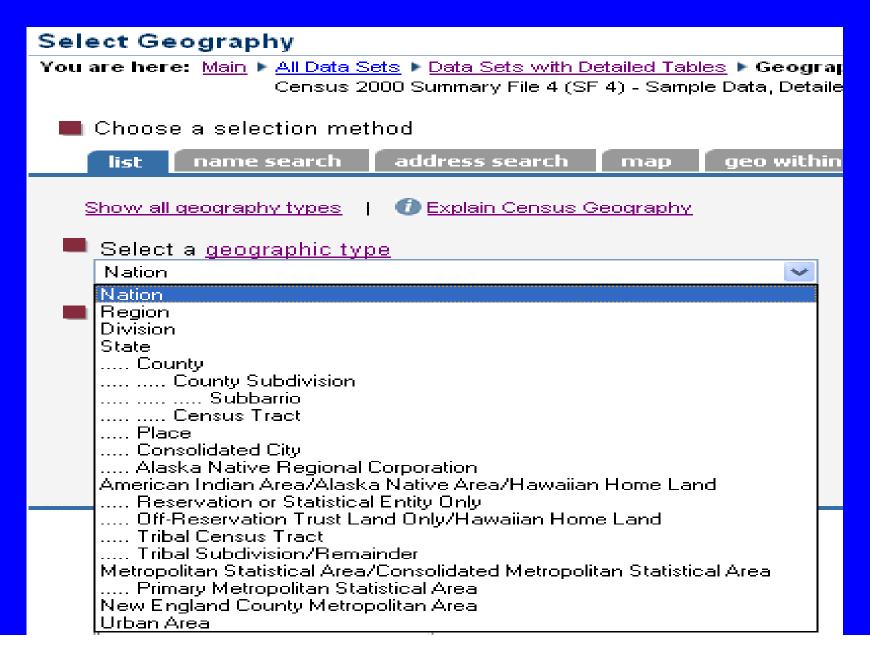
Select from the following options:

Detailed Tables Geol "aphic Comparison Tables Quick Tables Thematic Maps Reference Maps

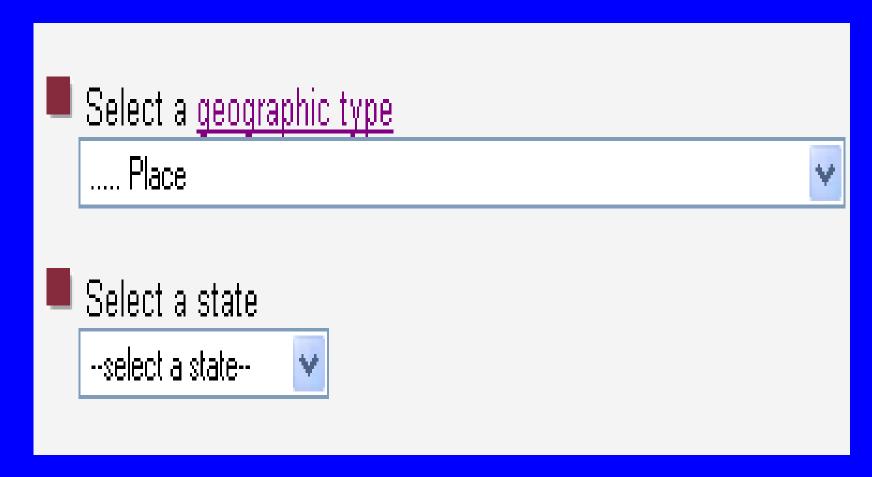
AFF Now Needs to Know What Geographic Area(s) Are Wanted



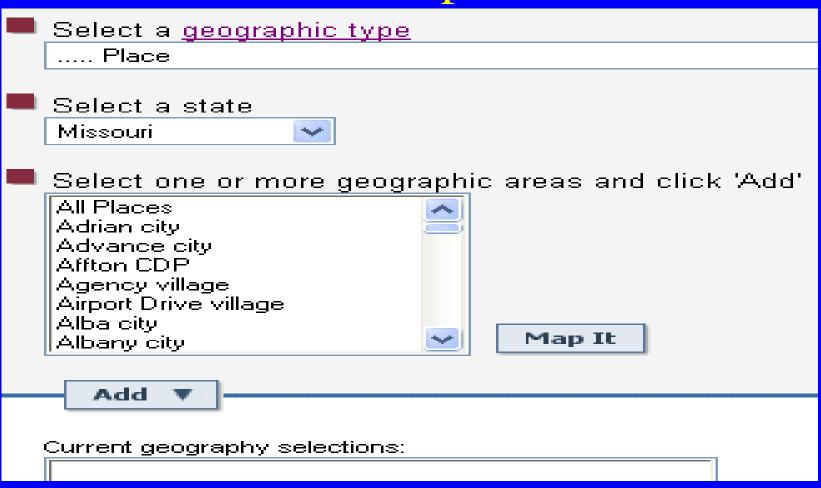
Select Geographic Type



We Select Place – It Tells Us to Select a State



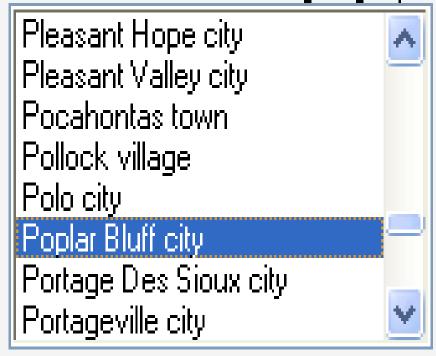
We Select Missouri – AFF Responds with a Select Menu of all Mo places



We Make Our Selection

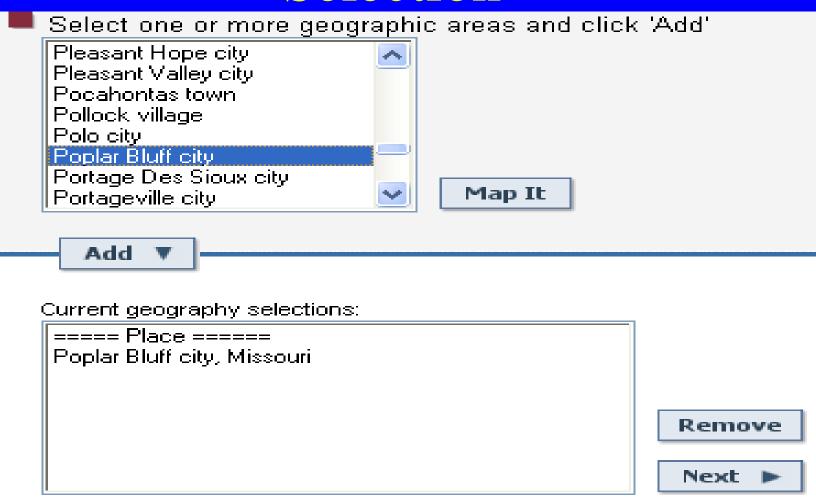
then click the "Add" button

Select one or more geographic areas and click 'Add'





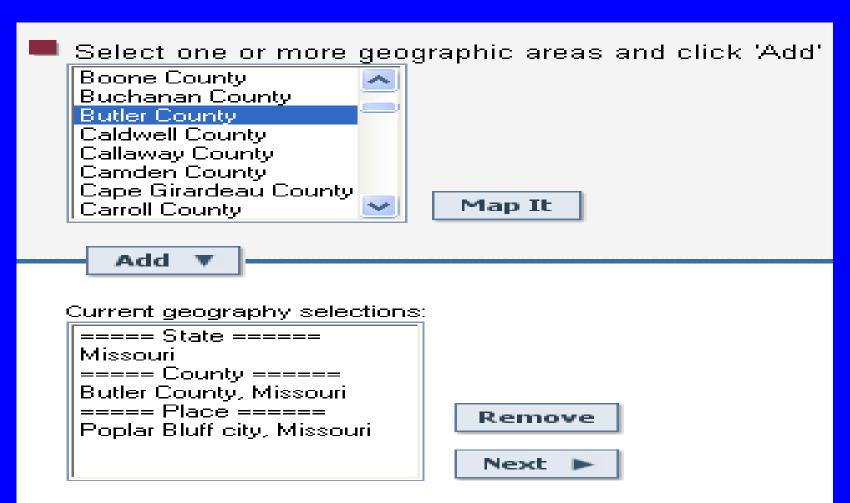
Completing the Geographic Selection



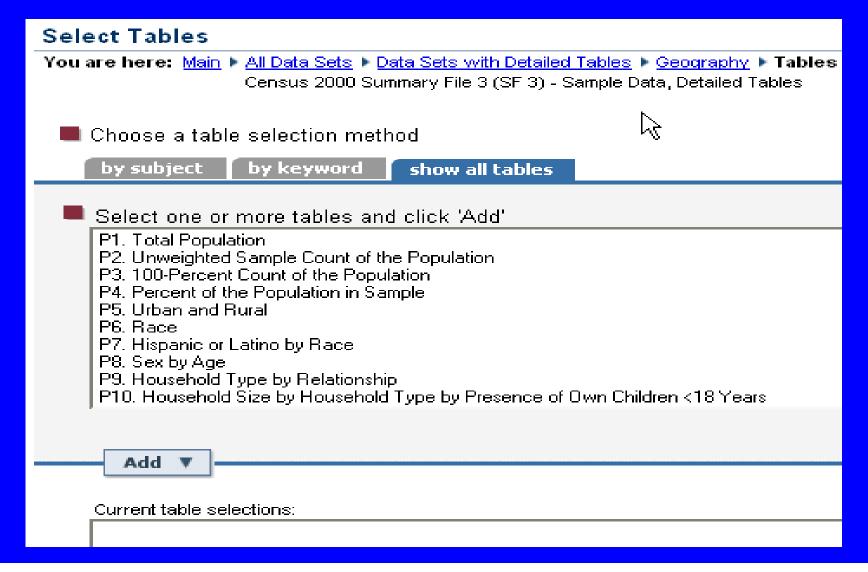
At This Point We Could...

- Repeat the cycle of choose a geographic type, a state and one or more geographic areas. These new selections would be added to our current selection(s).
- It's just like shopping at amazon.com you have just bought a Poplar Bluff. If you're interested you can also obtain Missouri and Butler county. In fact we did ...

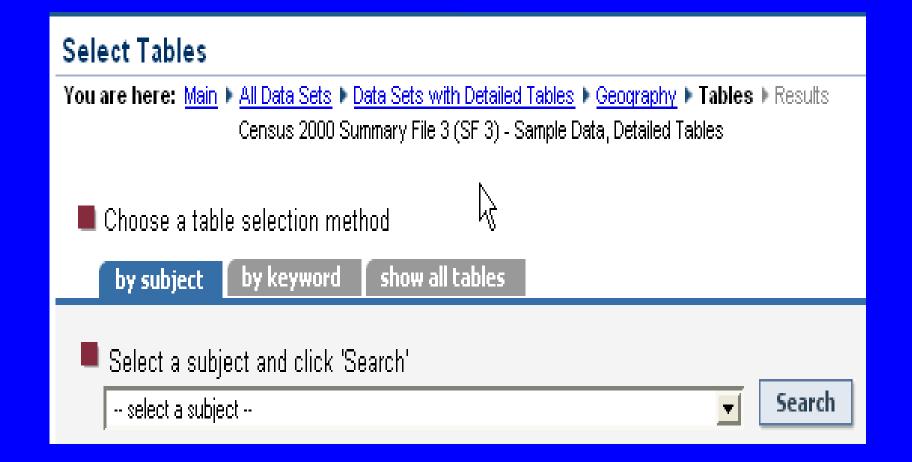
After All 3 Geo. Selections (click *Next* to proceed)



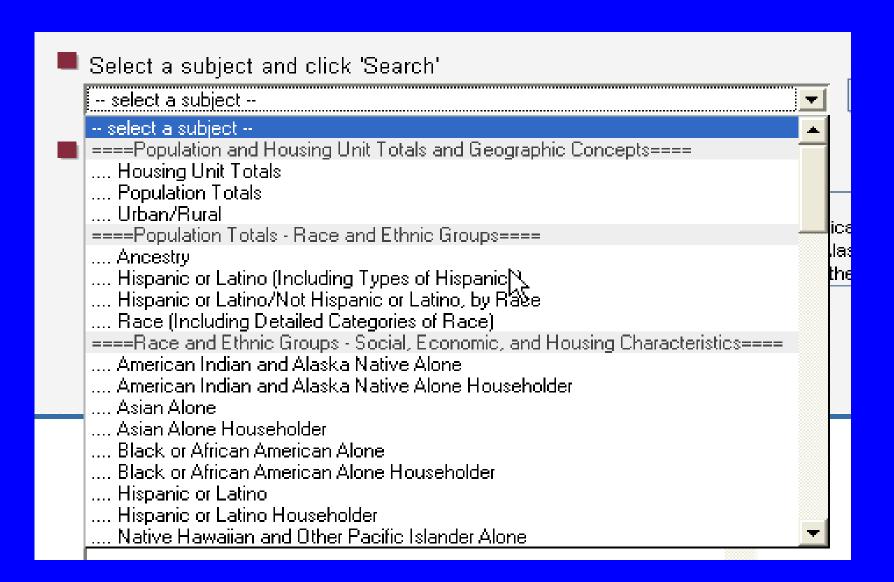
Ready to Select Tables (topic or subject matter)



Use "by subject" Tab

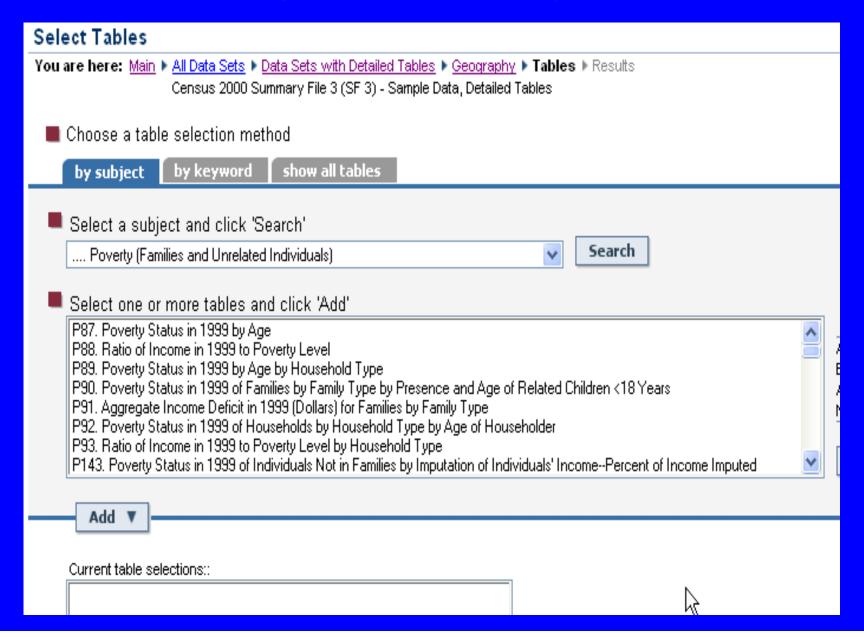


Choose a Subject from drop-down menu and click Search



We Chose "Poverty"

(and clicked "Search")



Select Two Tables

Select Tables You are here: Main ▶ All Data Sets ▶ Data Sets with Detailed Tables I Census 2000 Summary File 3 (SF 3) - Sample Data Choose a table selection method by keyword show all tables by subject Select a subject and click 'Search' Poverty (Families and Unrelated Individuals). Select one or more tables and click 'Add' P87. Poverty Status in 1999 by Age. P88. Ratio of Income in 1999 to Poverty Level P89. Poverty Status in 1999 by Age by Household Type P90. Poverty Status in 1999 of Families by Family Type by Presence. P91. Aggregate Income Deficit in 1999 (Dollars) for Families by Family P92. Poverty Status in 1999 of Households by Household Type by Ad P93. Ratio of Income in 1999 to Poverty Level by Household Type. P143. Poverty Status in 1999 of Individuals Not in Families by Imputal Add

Current table selections::

P87. Poverty Status in 1999 by Age P88. Ratio of Income in 1999 to Poverty Level

Go Back and Select Table P1 and Add Ready to click Show Result

Select a subject and click 'Search'

.... Population Totals

Select one or more tables and click 'Add'

P1. Total Population

P2. Unweighted Sample Count of the Population

P3. 100-Percent Count of the Population

P4. Percent of the Population in Sample

H15. Total Population in Occupied Housing Units by Tenure

H33. Total Population in Occupied Housing Units by Tenure by Units in Structur

HCT9. Total Population in Occupied Housing Units by Tenure by Year Househo

Add



P87. Poverty Status in 1999 by Age

P88. Ratio of Income in 1999 to Poverty Level

P1. Total Population

Remove

Show Result

Results!

Detailed Tables

You are here: Main ▶ All Data Sets ▶ Data Sets with Detailed Tables ▶ Geography ▶ Tables ▶ Results

Use the links above to change your results

Options

Print / Download

P1. TOTAL POPULATION [1] - Universe: Total population

Data Set: Census 2000 Summary File 3 (SF 3) - Sample Data

NOTE: Data based on a sample except in P3, P4, H3, and H4. For information on confidentiality protection, sampling error, nonsampling error, and definitions see http://factfinder.census.gov/home/en/datanotes/expsf3.htm.

	Missouri	Butler County, Missouri	Poplar Bluff city, Missouri
Total	5,595,211	40,867	16,521

U.S. Census Bureau Census 2000

P87. POVERTY STATUS IN 1999 BY AGE [17] - Universe: Population for whom poverty status is determined

Data Set: Census 2000 Summary File 3 (SF 3) - Sample Data

NOTE: Data based on a sample except in P3, P4, H3, and H4. For information on confidentiality protection, sampling error, nonsampling error, and definitions see http://factfinder.census.gov/home/en/datanotes/expsf3.htm.

	Missouri	Butler County, Missouri	Poplar Bluff city, Missouri			
Total:	5,433,293	40,039	16,020			
Income in 1999 below poverty level:	637,891	7,437	3,916			
Under 5 years	64,736	785	526			
5 years	12,517	134	78			
6 to 11 years	77,910	896	455			
12 to 17 years	65,393	741	293			
18 to 64 years	346,859	3,814	2,054			
65 to 74 years	30,971	541	229			
75 years and over	39 505	526	281			

Print/Download

Detailed Tables

You are here: Main ▶ All Data Sets ▶ Data Sets with Detailed Tables ▶ Geography ▶ Tables ▶ Results

Use the links above to change your results

Options

Print / Download | Related Items

P1. TOTAL POPULATION [1] - Universe: Total population

Data Set: Census 2000 Summary File 3 (SF 3) - Sample Data

Print Download Load Query Save Query

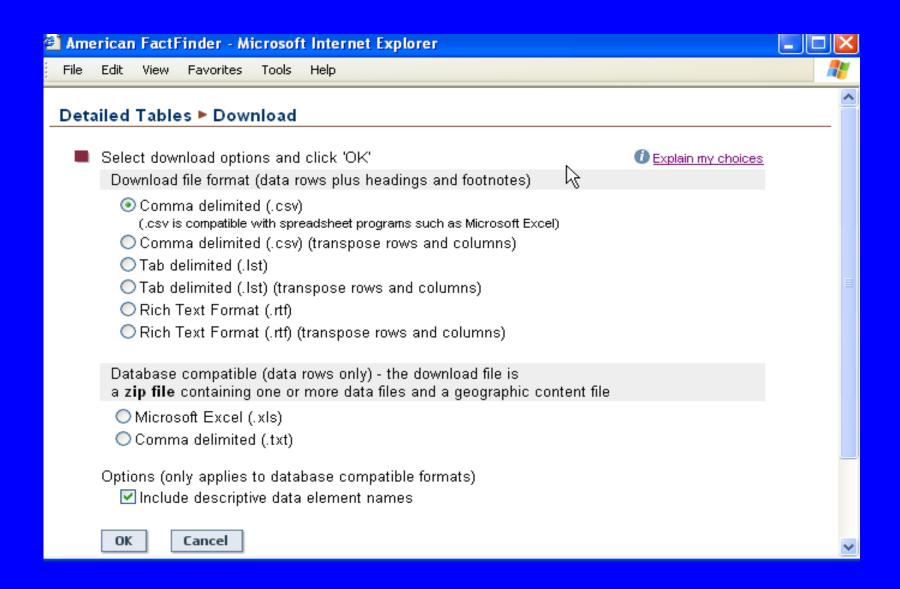
NOTE: Data based on a sample except in P3, P4, H3, and H4. For information on confidentiality protection, sampling error, nonsampling error, and definitions see http://factfinder.census.gov/home/en/datanotes/expsf3.htm.

	Missouri	Butler County, Missouri	Poplar Bluff city, Missouri
Total	5,595,211	40,867	16,521

U.S. Census Bureau

Census 2000

Download Options



Save and Load Query

- You can save your query to a file on your local disk.
- Tomorrow or next week you can specify you want to Load Query and it lets you reproduce your results.
- Query files are simple text (xml) files that you can edit and share with others.

Load Query Option on First Data Sets Page



Meanwhile, Back in Missouri

- OSEDA and Missouri Census Data Center web sites provide access with a Missouri twist.
- OSEDA site focuses more on data analysis, while MCDC is more oriented toward data access and extraction.

OSEDA Home Page



Address (4) http://www.oseda.missouri.edu/index.html



Office of Social and Economic Data Analysis Transforming Data into Information

Projects Presentations Regional Profiles Data Data Tables Related Sites Contact Us Questions? Home

Search OSEDA

The 2004 National Public Policy Education Conference will be Sept. 19-22 in St. Louis.

New 2002 Census of Agriculture

The recently released 2002 Census of Agriculture reports 106,797 farms in Missouri. That is down slightly (3.7 percent) from the 110,986 farms reported in the 1997 Census of Agriculture. Despite the small decline from 1997-2002, the 106,797 Missouri farms remains the second largest number among the 50 states.

Recent Missouri Population Change

Missouri ranked 30th nationally in the rate of population increase from 1990-2000 and tied for 25th in rate of population increase from 2000-2003. However, Missouri ranked 14th among the states in the size of in-migration population growth from 1990-2000 and ranked 18th in in-migration growth from 2000-2003.

OSEDA Features

2000 Census State of the State County Facts Kids Count Missouri and the Nation Step by Step Community Connection Educational Reports Economic Reports DESE SEIR MoDOT SEIR



DED Regional Map

OSEDA 2000 Census Page

Office of Social and Economic Data Analysis Transforming Data into Information

2000 Census

OSEDA supports the dissemination and analysis of Census data through its participation in the Missouri Census Data Center and through production of reports and applications. Census data files are available in our data archive and analytical reports are included in such OSEDA features as Step by Step, Regional Profiles, County Quick Facts, etc. These features are accessible from the OSEDA home page. Census data are also available from the MCDC/OSEDA Missouri County Data Map.

The "short form" information from the 2000 Census was released during 2001. The Summary File 1 (SF1) files provided information about population and housing for basic characteristics such as age, race, gender and living arrangements.

Summary File 3 (SF3), released in summer 2002, provides information about occupation, education, income, mobility and other socio-economic characteristics of the population. At OSEDA we are systematically reporting these indicators by counties and regions

Quick Links

Summary File 3

- Missouri Demographic Profiles -Standard Extract Tables
- <u>Demographic Profile 3 Trend Reports</u>
 <u>Using Data From SF3, 1990 & 2000</u>
- <u>U.S. Census Bureau's</u>
 Demographic Profiles

Summary File 1

- Demographic Profiles
- Basic Demographic Trends Report
- Geographic Comparison Reports
- Geographic Comparison Reports
- 2000 Detailed Profiles
- Geographic Areas Linked to PB Map Series

Access to Data Using Vexplore

New Metro Areas, 2003
Circular Area Profile (CAPS)
Missouri Work Flow Data
County to County Work Flow Reports

OSEDA Census 2000 Page

- Most of the links are to MCDC pages.
- Link to MCDC home page in first paragraph.
- Key links take you to the sf3-based demographic profiles as done locally as well as to the Bureau's DP1 thru DP4 profiles.
- Includes a link to Uexplore with Dexter.
- And to <u>CAPS</u>.

MCDC "dp3_2k" Demographic Profile 3 Main Missouri Menu

United States Census 2000

"DP3 2K" Demographic Profile 3 Reports Using Data From SF3, 2000 Census

Missouri



State/Counties



Metro Areas



MCDs Minor Civil Divisions (townships)



Places (cities)



Tracts



Block Groups



ZIP Codes

Custom Tabulations - Estimated Data



School Districts



State Legislative Districts (the 2002 redistricted versions)



Library Districts



County-based Regions and Districts (DED, DOT, RPCs and UOE)

Choose <u>State/Counties</u> to Get That Menu Page

Missouri Census Data Center

MCDC Demographic Profile 3 menu Page for Counties

<u>Missouri</u>	Adair County	Andrew County	Atchison County	Audrain County
Barry County	Barton County	Bates County	Benton County	Bollinger County
Boone County	Buchanan County	Butler County	Caldwell County	Callaway County
Camden County	Cape Girardeau County	Carroll County	Carter County	Cass County
Cedar County	Chariton County	Christian County	Clark County	Clay County
Clinton County	Cole County	Cooper County	Crawford County	Dade County
Dallas County	Daviess County	DeKalb County	Dent County	Douglas County
Dunklin County	Franklin County	Gasconade County	Gentry County	Greene County
Grundy County	Harrison County	Henry County	Hickory County	Holt County
Howard County	Howell County	Iron County	Jackson County	Jasper County
Jefferson County	Johnson County	Knox County	Laclede County	Lafayette County
Lawrence County	Lewis County	Lincoln County	Linn County	Livingston County

Click on *Cole County* to Get Report

MCDC Demographic Profile 3, 2000 Census Cole County , MO ,29051

Usage Notes

Subject	Number	Percent	SF3 Table
1. Population Basics			
Universe: Total Population			
Total Persons (Sample Est)	71,397		P1
Unweighted Sample Count of Persons	11,985		P2
Total Persons (100% Count)	71,397		P3
Pct Persons Sampled	16.8		P4
Urban Population	49,547	69.4	<u>P5</u>
In Urbanized Areas	49,547	69.4	
In Urban Clusters	0	0.0	
Rural Population	21,850	30.6	
Persons on Farms	1,357	1.9	
Persons Per Sq Mile	182.4		
2. Age			
Universe: Total Population			
Under 5	4 753	67	P8

Subject	Number	Percent	SF3 Table		
16. Employment Status					
Universe: Persons over 16					
Over 16 Yrs of Age	55,957	78.4	<u>P43</u>		
Civilian Labor Force	37,523	67.1			
Unemployed Persons	1,403	3.7			
Civ. Labor Force, Female	18,683	49.8			
Unemployed Females	711	3.8			
Over 16 Not in Labor Force	18,260	32.6			
Married Couples who Both Work	10,590	72.9	<u>P48</u>		
Married Couples, One Worker	2,182	15.0			
17. Work Force by Industry					
Universe: Employed Civilian Lab	or Force				
Employed Persons in CLF	36,120	96.3	<u>P49</u>		
Employed in Manufacturing	2,888	8.0			
Employed in Retail Trade	3 492	9.7			

About the "dp3_2k" Profile

- Rather long for a profile. Has 29 tables. The screen shot shows only about 1/7th of the full page.
- Based on data in SF3. Metadata (linked to from table headers in report) shows derivation of each item from sf3 table cells.
- Lots of links, incl. Extensive Usage Notes and complete metadata in pdf format.
- Links to "parent" tables on SF3 allow "drilling down" to more detail.

Bottom-of-the-page Links

Civilian Non-Inst. Pop 16-64	43,135		
Persons 16-64 with a Work Disability	3,876	9.0	<u>P41</u>

value סטט,טסק value	7,002	40.0	
Value \$100,000 to \$149,999	3,996	26.7	
Value \$150,000 to \$199,999	1,749	11.7	
Value \$200,000 to \$299,999	912	6.1	
Value \$300,000 to \$499,999	263	1.8	
Value \$500,000 to]\$999,999	61	0.4	
Value \$1 million or more	9	0.1	
Median House Value	\$97,200		H76
Average House Value	\$117,719		<u>H78</u> <u>H14</u>

Related Applications | Extract Data via Dexter | SF32000x Readme File | Complete metadata(pdf) | SF3 Definitions(pdf)

Report by the <u>Office of Social and Economic Data Analysis</u>, Univ. of Missouri Outreach & Extension

Under a contract with the <u>Missouri Census Data Center</u>

SOURCE: U.S. Bureau of the Census, Summary File 3, 2000 Decennial Census

Generated on 31JUL04 using dp3_2k.sas, Rev. 2/11/2004 10:46AM Address guestions and comments to blodgettj@umsystem.edu

Related Applications



OSEDA/MCDC Report Menu for Geographic Area:

State = MO County = Cole

Note: To view multiple reports simultaneously, right click on the report links and choose

- "DP3_2K" Demographic Profile Using Data From SF3
- SF3 Based Related Trend Report 1990 2000
- State Data Center Detailed Demographic Profiles (SF3)
- Demographic Profiles (Census Bureau PDF files) DP1-DP4
- "DP1_2K" Demographic Profile Using Data From SF1
- Detailed SF1 Profiles : Cole County
- SF1 Based Related Trend Report 1990 2000
- Related Geographic Comparison Reports (Menu)
- Cole County Tract Level Base Map
- Quick reference tract map(s)
- 1990 STF 3 Standard Extract Report Basic Tables
- Stats Indiana profiles



About Related Applications

- Important tool for integrating data.
- Not just for county level data and not just for Missouri geography (though you get more for Mo counties than anything else).
- Dynamically generated so when we do new reports/products they are easily added.
- The link at the bottom of the page is to mcdc2.missouri.edu/webrepts/mocntymap.html a very nice way to access a lot of info re Mocounties using a map-based interface.

Extract Data Via Dexter

Dexter -- Data Extracter

Data Set: /pub/data/sf32000x - mostcnty: 116 rows/observations, 425 columns/variables

See detailed metadata for this dataset.

I. Choose Output Format(s)

- Database File: ○DBF ○SAS dataset (Windows) none

Check here if requesting only a report in plain text or html format that you want piped directly to your browser. The default action is to have the application a menu of output elements from which you can select.

II. Choose rows (observations) to keep by specifying a filter.

A filter is a logical condition that references values of columns within a row. For each row, the condition is evaluated and, if true, the row/obs is selected for onot, the row is omitted, or "filtered".) To keep all rows, just skip this section. The filter being created here can consist of up to 5 logical segments, each refere data set Variable, a relational Operator, and a data Value (or values) -- constants that the user must type in. The segments are evaluated as true or false. Loperators (which default to And and appear between the segment specification rows) relate the segments when more than one is specified, creating a compoundation.

The Dexter Data Extractor

- This is the poor man's AFF. A web application that allows access to our (MCDC) data holdings.
- A whole other short course (ppt tutorial) is available for those interested.
- The web tool that allows users to browse the data collection is called *uexplore*.
- Dexter has a learning curve.
- Makes it easy for data intermediaries to share results with their end users.

A Typical Dexter Example (without detailed explanations)

- We start with being dropped into Dexter to explore the SF3 standard extract dataset containing data for Missouri counties and the state.
- We "filter" by omitting the state summary and by only choosing counties with a poverty rate of at least 15%.
- We sort the results by the poverty rate and create both an excel file and an html report.
- In real time this takes about 3 minutes to do if you know what you're doing.

Secs I & II

I. Choose Output Format(s)		
	Onone none (Not recommended for over 30 variables	s)
Database File: ODBF OSAS dataset (Windows)	none	
Check here if requesting only a report in plain text or html forms a menu of output elements from which you can select.	at that you want piped directly to your browse	er. The default action is to have
II. Choose rows (observations) to keep by specifying	a filter.	
A filter is a logical condition that references values of columns with not, the row is omitted, or "filtered".) To keep all rows, just skip this data set Variable, a relational Operator, and a data Value (or value operators (which default to And and appear between the segment scondition.	is section. The filter being created here can co s) constants that the user must type in. T	nsist of up to 5 logical segmen he segments are evaluated as t
In addition, you can limit the # of observations/rows on each output	ut by entering a number here:	
Variable/Column	Operator	Value
□(SumLev-Geographic Summary Level	Equal To (=)	∨ 050
	● And ○ Or ○ And Not	
C PctPoor - % Poor Persons	Greater Than or Equal To	o (>=) V 15

Sec. III – Choosing Variables

III. Choose columns (variables)	
You have 3 ways to do it. You can type in your own column list her	e (dangerous, but sometimes faster):
OR, you can just check this box if you wish to keep ALL column OR, select columns from the lists below, holding down the CTRL ke	D. T. C.
Identifiers	Numerics
SumLev - Geographic Summary Level AreaName State County Tract LogRecNo CouSubFP PlaceFP BG MSACMSA PMSA UA ZCTA5 - ZIP Census Tabulation Area LSADC grcid - Id field to link to GRC/MsDIS map files (Mo only)	Poor - Poor Persons PctPoor - % Poor Persons VeryPoor - Persons below 50% of poverty level PctVeryPoor - % Persons below 50% of poverty level Under185Poor - Persons below 185% of poverty level PctUnder185Poor - % Persons below 185% of poverty level NearlyPoor - Persons Between 100 & 200% of poverty level PctNearlyPoor - % Persons Between 100 & 200% of poverty level PctNearlyPoor - % Persons in Families PctPoorInFam - % Poor Persons in Families PctPoorFamilies - Families Below Poverty PctPoorFamilies - % Families Below Poverty PctPoorNonFamHHs - Non Family Households Below Poverty PctPoorNonFamHHs - % Non Family Households Below Poverty
Filter by regular expression: Filter Clear	Filter by regular expression: poor Filter Clear

Sec. IV: Title and Sort

IV. Other Options, Non-essential

Title: If you would like to specify a custom title to appear on your Listing/Report output you can do so here:

Missouri Counties Sorted by Descending Poverty Rate

Sort: Enter names of columns/variables by which you would like to sort the results, separated by blanks. Precede the name with a hyphen to it. E.g. a value of: **state** -pctpoor will result in sorting the output by ascending state and then by descending pctpoor within state. (Be sure section III, above).

-pctpoor

Extract Data

Reset Defaults

We Click on Extract Data and get...

Dexter extract Results - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Dexter Data Extraction Tool: Output Menu

Job ID: 31JUL04 00002

Summary log

....extraction work in progress.... Please be patient.

HTML Report

Delimited File

Processing completed at 14:24 on 31JUL2004

The Summary Log (documenting the query)

Dexter Data Extraction Utility Tool Version: 1.0, Revised: 3/16/2004 Summary Log for Job ID: 31JUL04_00002

Execution begins on 31JUL04 at 14:24

The key parameters specified are as follows:

Path: /pub/data/sf32000x Dataset: mostcnty (dataset from which data will be extracted)

Request title: Missouri Counties Sorted by Descending Poverty Rate

Output format(s) requested:

- Delimited file (csv format)
- Listing file (html format)

8 variables selected with a total length of 120 bytes.

Variables kept on output file(s)/dataset were:

AreaName Poor PctPoor VeryPoor PctVeryPoor PoorFamilies PctPoorFamilies .

46 rows/observations were selected using the filter:

upcase(SumLev) EQ "050" and PctPoor GE 15

csv delimited file has been generated.

Output directory details:

The URL (good for 48 hrs)



Edit View Favorites Tools Help



Address Addres

Dexter Data Extraction Utility Tool

Version: 1.0, Revised: 3/16/2004

Summary Log for Job ID: 31JUL04 00002

The HTML Output



Address Addres

Missouri Counties Sorted by Descending Poverty Rate

Obs	AreaName	Poor	PctPoor	VeryPoor	PctVeryPoor	PoorFamilies	PctPoorFamilies
1	Pemiscot County	6,006	30.4	2,567	13.0	1,333	24.8
2	Shannon County	2,211	26.9	919	11.2	502	21.0
3	Carter County	1,480	25.2	424	7.2	326	19.6
4	St. Louis city	83,388	24.6	42,346	12.5	16,169	20.8
5	Dunklin County	7,923	24.5	3,389	10.5	1,788	19.4
6	Mississippi County	3,089	23.7	1,475	11.3	705	19.0
7	Adair County	5,171	23.3	2,732	12.3	645	11.9
8	New Madrid County	4,260	22.1	2,046	10.6	1,029	18.6
9	Oregon County	2,234	22.0	828	8.1	492	16.3
10	Ripley County	2,925	22.0	993	7.5	655	16.9
11	Wayne County	2,856	21.9	1,044	8.0	687	17.9
12	Wright County	3,832	21.7	1,357	7.7	875	17.3

The csv File (with Excel plugin)

Ad	Address <equation-block> http://mcdc2.missouri.edu/tmpscratch/31JUL04_00002.dexter/xtract.csv</equation-block>							
	A1 ▼ =	AreaName						
	Α	В	С	D	Е	F	G	Н
1	AreaName	Poor	PctPoor	VeryPoor	PctVeryPoor	PoorFamilies	PctPoorFa	milies
2		Poor Persons	% Poor Persons	Persons below 50%	% Persons below 50%	Families Below Pov	% Families	Below
3	Pemiscot County	6,006	30.4	2,567	13	1,333	24.8	
4	Shannon County	<u>ር</u> 2,211	26.9	919	11.2	502	21	
5	Carter County	1,480	25.2	424	7.2	326	19.6	
6	St. Louis city	83,388	24.6	42,346	12.5	16,169	20.8	
7	Dunklin County	7,923	24.5	3,389	10.5	1,788	19.4	
8	Mississippi County	3,089	23.7	1,475	11.3	705	19	
9	Adair County	5,171	23.3	2,732	12.3	645	11.9	
10	New Madrid County	4,260	22.1	2,046	10.6	1,029	18.6	
11	Oregon County	2,234	22	828	8.1	492	16.3	
12	Ripley County	2,925	22	993	7.5	655	16.9	
13	Wayne County	2,856	21.9	1,044	8	687	17.9	
14	Wright County	3,832	21.7	1,357	7.7	875	17.3	
15	Ozark County	2,042	21.6	707	7.5	471	16.1	
16	Texas County	4,835	21.4	1,885	8.3	1,103	16.5	
17	Washington County	4,586	20.8	2,210	10	1,068	17.1	
18	McDonald County	4,447	20.7	1,742	8.1	918	15.6	
19	Reynolds County	1,313	20.1	504	7.7	313	16.1	

Uexplore

- This is the data access tool that lets you navigate the data archive and ultimately use Dexter to do extractions.
- We have shown a way to access through a "back door".
- The front door is bookmarked as the "Access data" option on MCDC home page and simply as "Data" on the OSEDA page.

The <u>Uexplore Home Page</u>



UEXPLORE



Extract Data from the OSEDA / MCDC Electronic Data Archive

See <u>note</u> regarding the **new version** of uexplore software (with **dexter**), August, 2003. See <u>important note</u> about the nature and intended audience for this application.

<u>Uexplore Application Description</u> | On-line Tutorial (ppt)

Archive Index

Census Data: 2000 | 1990 | 1980 | Pre-1980

Other Population

<u>Economic Indicators | Education | Employment | Health | Geography/GIS | Agriculture | Compendia (incl. Key Indicators)</u>

Or , macho users can explore the data alphabetically by Filetype on the two platforms:

- http://mcdc2.missouri.edu/cqi-bin/uexplore?/pub/data (more recent data)
- http://www.oseda.missouri.edu/cgi-bin/uexplore?/mscdc/data@secure

Thank You

John Blodgett
OSEDA

blodgettj@umsystem.edu

Home Page ("Quick Links"): http://oseda.missouri.edu/jgb