

Regional Economics

Lecture 5

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Assignment 3 – Due March 3, 5pm
by email to regionalecon@gmail.com

- **Select two** *racial/ethnic groups* that have reported data from the most recent ACS for the same California County.
- **Construct a table** that gives a side-by-side comparison of the two groups in that county
- **Write a paragraph** that summarizes the most striking similarities and the most striking differences between the two groups in *demographic* and *economic* terms

ACS Assignment

Go to American Factfinder Website

<http://www.factfinder.census.gov/home/saff/main.html? lang=en>

American Factfinder Portal American Community Survey

The screenshot shows the American Factfinder website interface. At the top, it says "U.S. Census Bureau" and "American FactFinder". Below this is a navigation bar with links for "Main", "Search", "Feedback", "FAQs", "Glossary", "Site Map", and "Help". The main content area is titled "Your source for population, housing, economic, and geographic data". On the left, there is a vertical navigation menu with categories like "POPULATION FINDER", "FACT SHEET", "PEOPLE", "HOUSING", "BUSINESS AND GOVERNMENT", "ABOUT THE DATA", "DATA SETS", "DOWNLOAD CENTER", "MAPS", "TOOLS AND REFERENCES", and "Address Search...". The "DATA SETS" category is expanded, and the "American Community Survey" option is highlighted with a mouse cursor. The main content area is divided into several sections: "Fast Access to Information" with a form to get a fact sheet; "Getting Detailed Data" with links to Decennial Census, Population Estimates Program, Economic Census, and Annual Economic Surveys; "Population Data" with a Population Finder tool and a U.S. Population Clock showing 308,755,158; and "What's New" with a "ROAD TOUR LAUNCH" announcement for the 2010 Census and news about 2009 Population Estimates and 2006-2008 American Community Survey 3-Year Estimates. The URL at the bottom is "http://www.factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS... erto Rico".

U.S. Census Bureau
American FactFinder

Main Search Feedback FAQs Glossary Site Map Help

Your source for population, housing, economic, and geographic data

POPULATION FINDER
FACT SHEET
PEOPLE
HOUSING
BUSINESS AND GOVERNMENT
ABOUT THE DATA
DATA SETS
DOWNLOAD CENTER
MAPS
TOOLS AND REFERENCES
Address Search...
Enter a street address to find Census 2000 data
• Browser Notes
• Confidentiality
• Citing FactFinder

Fast Access to Information
Get a Fact Sheet for your community...
city/ town, county, or zip
state -- select a state -- GO
or select a state using a map »

Getting Detailed Data
Decennial Census - taken every 10 years to collect information of the United States
American Community Survey - Population Program for information on
Puerto Rico Community Survey - an ongoing survey that community every year
Annual Population Estimates
Economic Census - the equivalent of the for Puerto Rico
Annual Economic Surveys - profiles the U.S. economy every 5 years
Population Estimates Program - population numbers between censuses
Economic Census - profiles the U.S. economy every 5 years
Annual Economic Surveys - data from the Annual Survey of Manufactures, County Business Patterns and Nonemployer Statistics

Population Data
Population Finder
Use the Population Finder to view population trends for your community.
U.S. Population Clock
12:05 UTC (EST-5) Feb 25, 2010
308,755,158
more population clocks »

What's New
ROAD TOUR LAUNCH
January 4th, 2010: Census Bureau Launches 2010 Census Road Tour across the nation!
2009 Population Estimates for the U.S. and states are now available from the Data Sets page.
2006-2008 American Community Survey 3-Year Estimates are now available for cities, counties and other areas with populations of 20,000 or more from the Data Sets page.
2006-2008 Puerto Rico Community Survey (PRCS) 3-Year Estimates in Spanish for Puerto Rico cities - municipios

http://www.factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS... erto Rico

ACS – Most Recent Estimates

The screenshot displays the American Community Survey (ACS) website interface. On the left is a vertical navigation menu with categories: POPULATION FINDER, FACT SHEET, PEOPLE, HOUSING, BUSINESS AND GOVERNMENT, ABOUT THE DATA, DATA SETS (highlighted), DOWNLOAD CENTER, MAPS, and TOOLS AND REFERENCES. The 'DATA SETS' menu includes links for Decennial Census, American Community Survey, Puerto Rico Community Survey, Annual Population Estimates, and Annual Economic Surveys.

The main content area is titled 'AMERICAN COMMUNITY SURVEY' and includes a breadcrumb trail 'Main > Data Sets'. It features a description of the ACS as a nationwide survey, a link to a '2008 Quick Guide | Errata Notes', and an 'Other Resources' section with links to the main page, quality measures, PUMS data, and FTP downloads.

The 'DATA SETS' section is organized by year:

- 2008**
 - 2006-2008 American Community Survey 3-Year Estimates**
 - Data from the American Community Survey and the Puerto Rico Community Survey
 - Collected during calendar years 2006, 2007 and 2008
 - Available for geographic areas with populations of 20,000 or more

Explain 1-year vs. 3-year estimates

Select from the following:
[Data Profiles](#)
[Selected Population Profiles](#)
[Subject Tables](#)
[Detailed Tables](#)
[Geographic Comparison Tables](#)
[Thematic Maps](#)
[Reference Maps](#)
[Custom Table](#)
 - 2008 American Community Survey 1-Year Estimates**
 - Data from the American Community Survey and the Puerto Rico Community Survey
 - Collected during calendar year 2008
 - Available for geographic areas with populations of 65,000 or more

Explain 1-year vs. 3-year estimates
- 2007**
 - 2005-2007 American Community Survey 3-Year Estimates**
 - Data from the American Community Survey and the Puerto Rico Community Survey

At the bottom, a JavaScript snippet is visible: `javascript:gotoPage('IPGeoSearchByListServlet','ACS_2008_3YR_G00_')`

Selecting the Geography

Select Geography

You are here: [Main](#) > [Data Sets](#) > **Geography** > Population Groups > Results
2006-2008 American Community Survey 3-Year Estimates, Selected Population Profile

■ Choose a selection method

[list](#) [name search](#) [address search](#) [map](#)

[? Explain Census Geography](#) | [? Where are Geographic Components \(Urban and Rural\)?](#)

■ Select: a [geographic type](#)

..... County

■ Select: a state

California

■ Select: one or more geographic areas and click 'Add'

All Counties
Alameda County
Contra Costa County
Fresno County
Kern County
Los Angeles County
Orange County
Riverside County

Map It

Add

Current geography selections:

==== County =====
Alameda County, California
Contra Costa County, California
Fresno County, California
Kern County, California
Los Angeles County, California
Orange County, California
Riverside County, California

Remove

Next

javascript:nextStep('/servlet/IPCCharIterationServlet')

Selecting the Racial/Ethnic Group

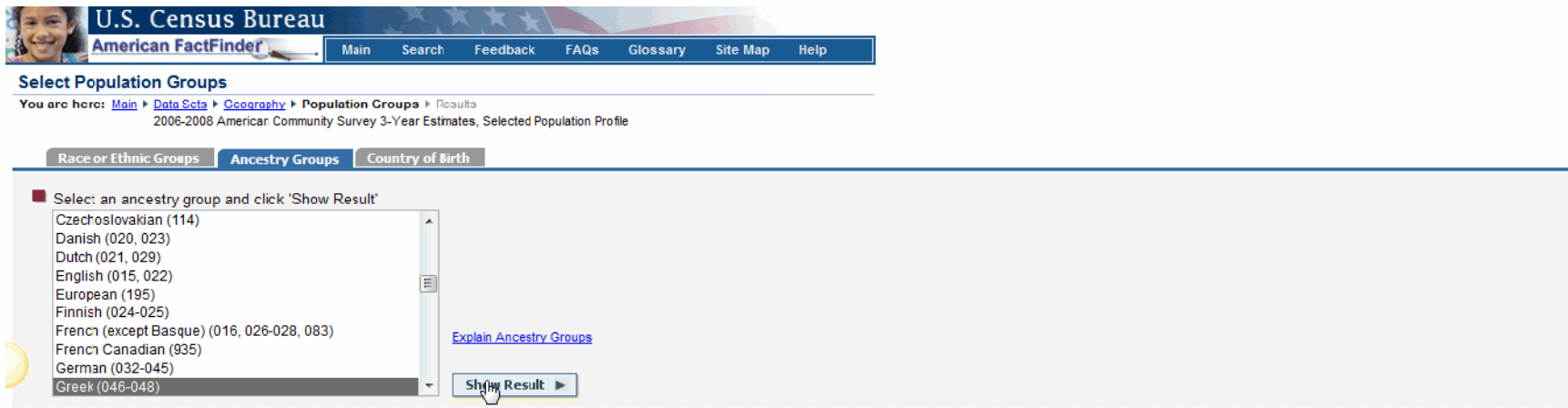
The screenshot shows the U.S. Census Bureau American FactFinder interface. At the top, there is a navigation bar with links for Main, Search, Feedback, FAQs, Glossary, Site Map, and Help. Below this, the page title is "Select Population Groups". A breadcrumb trail indicates the current location: "You are here: Main > Data Sets > Geography > Population Groups > Results". The specific data set is identified as "2006-2008 American Community Survey 3-Year Estimates, Selected Population Profile".

Three tabs are visible: "Race or Ethnic Groups", "Ancestry Groups" (which is selected), and "Country of Birth". The "Ancestry Groups" section contains a list of groups with their corresponding population counts. The "Afghan (600)" group is currently selected. A "Show Result" button is located at the bottom right of the list.

Ancestry Group	Population Count
Afghan	600
Albanian	100
American	939-994
Arab	400-415, 417-418, 421-430, 435-481, 490-499
.. Arab/Arabic	495-499
.. Egyptian	402-403
.. Iraqi	417-418
.. Jordanian	421-422
.. Lebanese	425-426
.. Moroccan	406-407

javascript:showTables()

Selecting Another Racial/Ethnic Group



The screenshot shows the U.S. Census Bureau American FactFinder website. The header includes the U.S. Census Bureau logo and the American FactFinder search bar. Below the header, there are navigation links: Main, Search, Feedback, FAQs, Glossary, Site Map, and Help. The main content area is titled "Select Population Groups" and includes a breadcrumb trail: You are here: [Main](#) > [Data Sets](#) > [Geography](#) > [Population Groups](#) > Results. Below the breadcrumb trail, there are three tabs: "Race or Ethnic Groups", "Ancestry Groups", and "Country of Birth". The "Ancestry Groups" tab is selected. The main content area contains a list of ancestry groups with their corresponding codes in parentheses. The groups listed are: Czechoslovakian (114), Danish (020, 023), Dutch (021, 029), English (015, 022), European (195), Finnish (024-025), French (except Basque) (016, 026-028, 083), French Canadian (935), German (032-045), and Greek (046-048). A "Show Result" button is located at the bottom right of the list. A mouse cursor is hovering over the "Show Result" button. To the right of the list, there is a link labeled "Explain Ancestry Groups".

U.S. Census Bureau
American FactFinder

Main Search Feedback FAQs Glossary Site Map Help

Select Population Groups

You are here: [Main](#) > [Data Sets](#) > [Geography](#) > [Population Groups](#) > Results
2006-2008 American Community Survey 3-Year Estimates, Selected Population Profile

Race or Ethnic Groups Ancestry Groups Country of Birth

Select an ancestry group and click 'Show Result'

- Czechoslovakian (114)
- Danish (020, 023)
- Dutch (021, 029)
- English (015, 022)
- European (195)
- Finnish (024-025)
- French (except Basque) (016, 026-028, 083)
- French Canadian (935)
- German (032-045)
- Greek (046-048)

[Explain Ancestry Groups](#)

Show Result

javascript:showTables()

Output Options

American FactFinder - Google Chrome

http://www.factfinder.census.gov/servlet/IPDownload?_lang=en&_more=N&_jsessionId=0004D5UU96E1b64qlfyjvEiBanO:134lie

Selected Population Profile ▶ Download

■ Select download options and click 'OK' [Explain my choices](#)

Download file format (data rows plus headings and footnotes)

- Comma delimited (.csv)
(.csv is compatible with spreadsheet programs such as Microsoft Excel)
- Rich Text Format (.rtf)
- Microsoft Excel (.xls)

Database compatible (data rows only) - the download file is a **zip file** containing one or more data files and a geographic content file. Geographic codes are included in the database compatible download.

- Microsoft Excel (.xls)
- Comma delimited (.txt)
- Pipe delimited (.txt)

Options (only applies to database compatible formats)

- Include descriptive data element names

[Using FactFinder with Windows XP Service Pack 2](#)

Output

Los Angeles County, California

S0201. Selected Population Profile in the United States 

Population Group: Greek (046-048)

Data Set: 2006-2008 American Community Survey 3-Year Estimates

Survey: American Community Survey

NOTE: For information on confidentiality protection, sampling error, nonsampling error, and definitions, see [Survey Methodology](#)

Subject	Total population	Margin of Error	Greek (046-048)	Margin of Error
TOTAL NUMBER OF RACES REPORTED				
Total population	9,832,137	*****	31,925	+/-2,184
One race	97.0%	+/-0.1	N	N
Two races	2.8%	+/-0.1	N	N
Three races	0.2%	+/-0.1	N	N
Four or more races	0.0%	+/-0.1	N	N
SEX AND AGE				
Total population	9,832,137	*****	31,925	+/-2,184
Male	49.5%	*****	48.5%	+/-2.6
Female	50.5%	*****	51.5%	+/-2.6
Under 5 years	7.3%	*****	6.6%	+/-1.5
5 to 17 years	18.9%	*****	14.4%	+/-1.9
18 to 24 years	10.4%	*****	10.0%	+/-1.7
25 to 34 years	14.1%	*****	12.9%	+/-1.9
35 to 44 years	15.5%	*****	14.2%	+/-2.0
45 to 54 years	13.9%	*****	16.9%	+/-2.3
55 to 64 years	9.4%	*****	10.1%	+/-1.4
65 to 74 years	5.4%	*****	7.6%	+/-1.5
75 years and over	5.0%	*****	7.2%	+/-1.3
Median age (years)	34.5	+/-0.1	38.9	+/-2.0

Output Downloaded

DISPLAY DOWNLOADED OUTPUT FOR ACS

GCTXLSPresentationDownload

IPXLSPresentationDownload

ESRI Guide to GIS Analysis, Vol. 1

Chapter 1

What is GIS analysis?

- Technology now about 40 years old
- Used mostly to make maps but has greater capabilities for analysis
 - Discover/analyze spatial relationships and patterns

ESRI Guide to GIS Analysis, Vol. 1

The most common GIS tasks:

- Mapping where things are
- Mapping the most and the least
- Mapping density
- Finding what's inside (something)
- Mapping change

ESRI Guide to GIS Analysis, Vol. 1

Chapter 1 focuses on basic GIS concepts, geographic data and how it is stored, data values and their use.

Chapters 2-4 present key map-building concepts

ESRI Guide to GIS Analysis, Vol. 1

Chapter 1

- Frame the question
- Understand your data (“Know the data”)
- Choose a method
- Process the data
- Look at the results

ESRI Guide to GIS Analysis, Vol. 1

Types of features (variables)

- Discrete features

- Examples (p. 12, left-hand column) include discrete features that are

- Points
 - Lines
 - Polygons



The different types of
“vector” GIS data.

- Give some examples of economic phenomena that vary discretely spatially

ESRI Guide to GIS Analysis, Vol. 1

Types of features (variables)

- Continuous (p. 12, right-hand column)
- Give some examples of economic phenomena that vary continuous spatially

Features summarized by areas

- Census economic and demographic variables by census tracts or census block groups
- Economic Census data by zip code

ESRI Guide to GIS Analysis, Vol. 1

Vector vs. Raster

Vector

- points

- lines

- polygons

Raster (Note: can convert vector data to raster data)

- pixels

- satellite or aerial imagery

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Projections and coordinate systems

Types of Attribute Values

categories

ranks

counts

amounts

ratios

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Selection of attributes (using SQL statement)

Calculating (computing)

Summarize

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Chapter 2. Mapping Where Things Are

Why map where things are?

What to map?

Preparing you data

Making your map

Analyzing geographic patterns

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Chapter 2. Mapping Where Things Are

Why map where things are?

Economics of location

economic actors (households, firms, public institutions, infrastructure)

Local publicly-provided goods defined within geographic area

Elements of the theory of Fiscal Federalism suggest that there is a “mosaic” of governments

Different locations are associated with different costs and benefits

What are they?

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Chapter 2. Mapping Where Things Are

What to map?

Economic theory suggests what to map

What are the spatially testable implications of the theory?

Identify economic variables that can be represented by categories. How would you assign category values? Give examples.

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Give an economically relevant example of
“mapping the same type of feature”?

For the example you gave above, identify an
economically relevant subset of the feature

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Maps of different scales

What is TMI?

Drilling down and having more features appear

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Analyzing geographic patterns