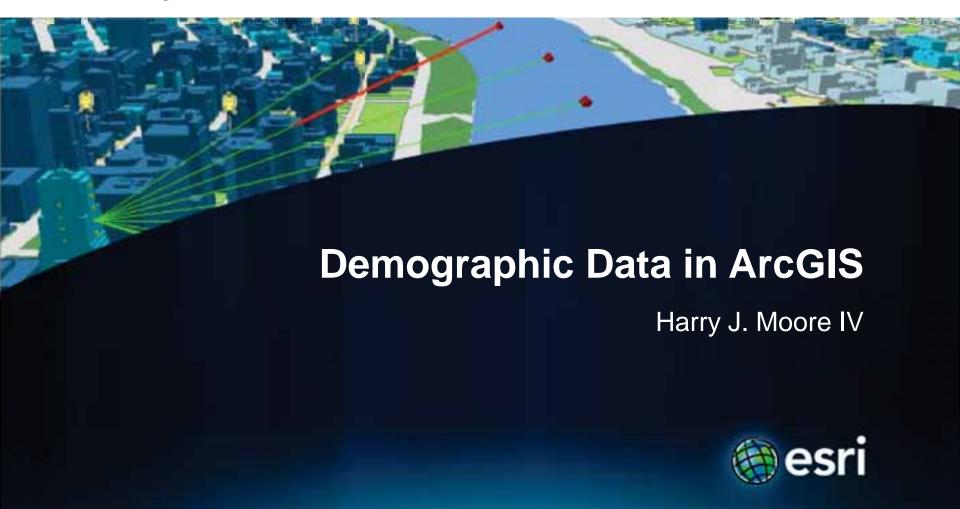
Esri | California • Hawaii • Nevada Regional User Group Conference

February 23-24, 2011 • Esri • Redlands, CA



Outline

- What is demographic data?
- Esri Demographic data
 - Real world examples with GIS
 - Redistricting
 - Emergency Preparedness
 - Economic Development
- Next steps
- Resources

ArcGIS 10 — A Complete System with Data

Easier
More Powerful
and Everywhere



What is Demographic Data?

Characteristics of a human population

- Gender

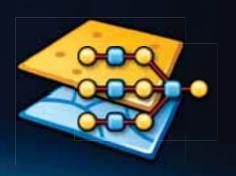
- Race
- Age
- Income
- Spending
- Habits



Sources of Demographic Data

- Government
 - Census Bureau
 - Decennial Census
 - American Community Survey
 - Bureau of Labor and Statistics
 - Employment
 - Consumer Goods
- 3rd party value added data
 - Mediamark Research
 - Esri







Why is Demographic Data Important?



Demographic Data

ArcGIS Online

A free online repository of GIS maps, apps, and tools

- Includes content from user community and Esri
 - Web map services
 - Layer packages
 - Map packages

- ...



Access content through ArcGIS.com web site



Redistricting

What is Redistricting?

- The process of changing boundaries
 - Congressional districts
 - School districts
 - Water districts
- Boundaries should be
 - Contiguous
 - Compact
 - Of equal population



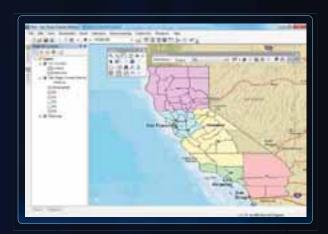
2010 Census Data

- April 1st 2011 all 2010 census redistricting data will be released (PL 14-171)
 - State population counts and ethnic groups
 - State housing units counts
- Census data will continue to be released well into 2013
- Occurs every 10 years
 - Census Bureau

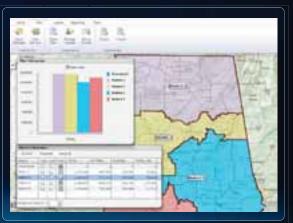
Redistricting

Esri's Redistricting Solutions

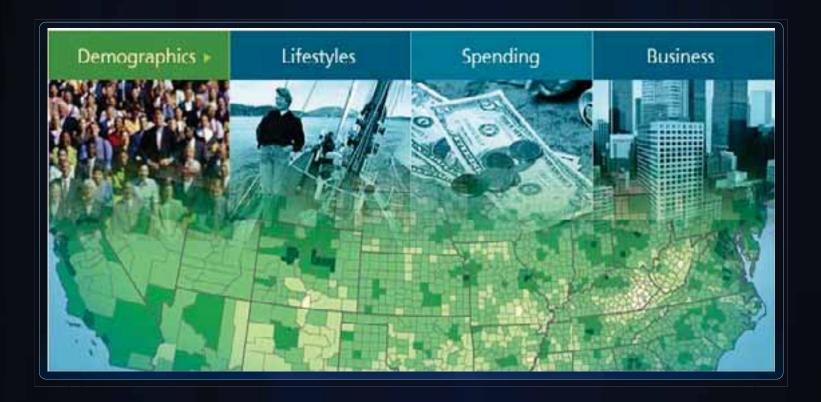
- Free Desktop Districting add-in
 - Requires ArcGIS
 - Source data
 - Some knowledge of GIS workflows



- Redistricting Online application
 - Subscription based
 - No data management
 - Non-GIS users
 - No software to install
 - Community involvement



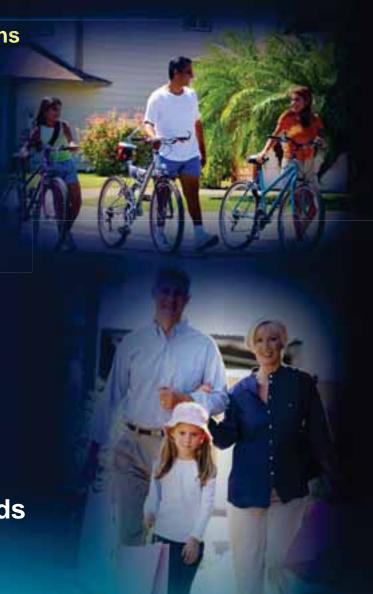
Esri Data



Esri Demographics

Current Year Estimates and Five Year Projections

- Population & Households
- Age by Sex by Race
- Race and Hispanic Origin
- Industry & Occupation
- Education & Marital Status
- Household & Family Income
- Net Worth & Disposable Income
- Housing by Occupancy
- Home Value
- Quarterly Population & Households



Esri Data and Esri Data & Maps

- Yearly updates of demographic data
 - Current year and 5 year forecast
- More data 5000+ variables
 - Demographic
 - Lifestyle segmentation
 - Spending
 - Business
- Data aggregated to many levels of geography

Emergency Preparedness

What You Need to do This

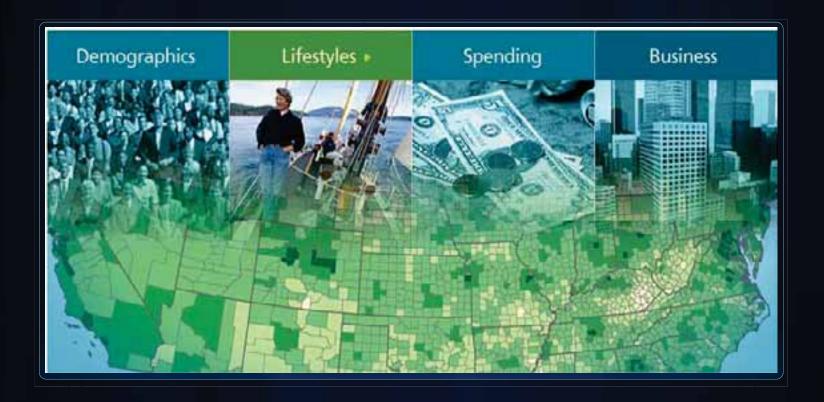
Business Analyst Online Report Add-in

- Subscription based

- Internet access
 - To download data locally
- ArcView license level or higher
- Network analyst
 - Drive times
 - Location allocation



Esri Data



What is Tapestry Segmentation?

Connection between human behaviors and neighborhood structure

- Classification of neighborhoods by their socioeconomic and demographic composition
- Allows for focused marketing campaigns





Urban Melting Pot



High Rise Renters



Retirement Communities

Tapestry's View of Seniors



#14 Prosperous Empty Nesters



#15 Silver and Gold



#30 Retirement Communities



#43 The Elders





#57 Simple Living



#29 Rustbelt Retirees



#49 Senior Sun Seekers



#65 Social Security Set

What Tapestry Segmentation Tells Us

04 Boomburbs

Segment Code	04
Segment Name	Boomb
LifeMode Group	L1 High So
Urbankstion Group	

Demographic

The newest additions to the suburbs, they are home to young families who are living a lifestyle. Soft the neighborhoods and the ling. Soomburbs is the fastest-growing meilling. Soomburbs is the fastest-growing meilling and the population has been growing at annually since 2000. It is also home to one officentiations of young families with children. This 33.8 years; more than one-fifth of Soombus between 35 and 44 years of age. There is the population; white is the predominant of the predominant.

Socioeconomic

The Boomburbs market includes one of the witations of dual-income households, come of the highest rates of labor force partidigues. Residents are well educated: more than the population aged 25 years and older here or graduate degree. The labor force is employ in management, professional, and sales concerning the property. The median household income its \$117,782, minute that of the U.S. median. More than half of we receive additional income from interest, displaying the property. The median not worth is \$246,544.

Residential

Beomburbs neighborhoods are concentrate. West, and Midwest; the highest state confidence in the found in Texas and California. Approximately of the housing units in the Boomburbs segater 1980. These are the newest developments. Most homes are single-family struct cownership rate is 91 percent, compared to 10 United States. The median home value of 11 high compared to the U.S. median. Communications are should be under the compared to the the state of 11 high compared to the U.S. median. Communication counts are considered to the U.S. median.

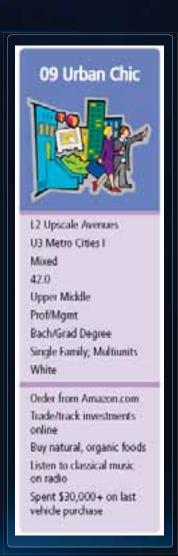
The Boomburbs segment is the top market for recent purchases of everything from household furnishings, toys and games, men's business and casual apparel, and big-screen TVs to cars and trees. Their product preferences reflect their suburban lifestyle. This is the top market for households owning projection TVs, DVD players, MP3 players, scanners, and laser printers as well as owning or leasing full-size SUVs. It ranks second for owning flat-screen or plasma TVs, video game systems, and digital camcorders and owning or leasing minivans. Residents own laptop computers, all kinds of software, and two or more cellular phones. They use the Internet to make purchases (especially flowers and tickets to sports events), trade and track investments, do banking, and make travel plans. Personal computer use by children younger than 18 years is the highest here.

lines to work (compared to 23 percent fol the United Dieber

Economic Development

What You Need to do This

- Business Analyst Premium extension
 - Target marketing tools
 - Segmentation data at block groups
- ArcView license level or higher
- Internet connection
 - Display online thematic maps



ArcGIS Business Analyst



ArcGIS

Esri Data

What is Community Analyst?

Better policy decisions

- Web-based application
 - Data exploration, analysis & reporting



- Esri
- Census
- Third parties
- Public agencies

For everyone





Community Analyst Data

Building Permits

Food Access

Poverty Data

Health Data

Demographics

Lifestyles

Spending

Employment

Behavioral Data

Business

Traffic

Census

New for Community Analyst

Community Analyst

Access Esri Data

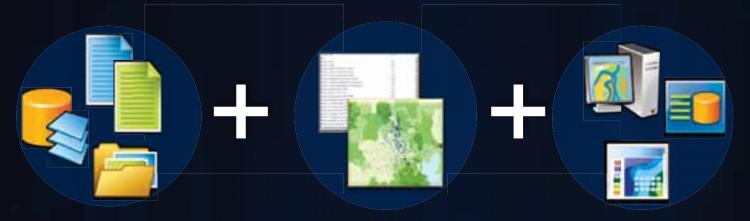
- Online
 - ArcGIS Online
 - Community Analyst
 - Business Analyst Online
- Desktop
 - Business Analyst
 - Data and Maps
 - Individual datasets



Your Data

Esri Data

ArcGIS



- Districts
- Customers
- Facilities
- Permits

- Current Year Demographics
- Forecasted Demographics
- Tapestry Segmentation
- Supply & Demand

- Analyses
- Maps
- Models
- Reports

= More Informed
Decisions

Next Steps...

- ArcGIS Online content
 - Search for "2010 Demographics"
- Redistricting tools
 - Free Desktop Districting Add-in
 - Redistricting Online



- Business Analyst Online Reports Add-in
- Community Analyst

Resources

- ArcGIS Online demographic maps
 - http://www.esri.com/software/arcgis/arcgisonline/standard-maps.html
- List of demographic variables CYFY
 - http://www.esri.com/data/esri_data/pdfs/2010-esri-updated-demographics-data-list.pdf
- Data Methodology Statements
 - http://www.esri.com/data/esri_data/methodology-statements.html
- Esri Data and Maps in ArcGIS 10 (free data)
 - http://www.esri.com/data/data-maps/J9974EsriDataandMaps10.pdf
- Segmentation Use Case
 - http://www.esri.com/library/casestudies/arlington-food-assistance.pdf
- Community Analyst
 - http://communityanalyst.esri.com/

Resources

- Community Analyst beta sign-up
 - http://www.esri.com/software/arcgis/community-analyst/index.html
- Community Analyst Resource page
 - http://help.arcgis.com/en/communityanalyst/online/data/data_descriptions.html
- Business Analyst Online
 - http://bao.esri.com/
- Business Analyst Online Reports Add-in
 - http://www.esri.com/software/bao-reports/index.html
- Free Districting Add-in
 - http://www.esri.com/software/arcgis/extensions/districting/index.html
- 2010 Census redistricting data
 - http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml
- Esri Data and Census 2010
 - http://resources.arcgis.com/Census-2010

Questions

Thank You

