DATA WEBSITES/TOOLS AND BASIC DATA MAPPING

JERRY DEICHERT
UNO CENTER FOR PUBLIC AFFAIRS RESEARCH
Today we are going to look at 3 web sites.

• Census Bureau
  www.census.gov

• Bureau of Economic Analysis
  www.bea.gov

• Bureau of Labor Statistics
  www.bls.gov
Screen shots

The following screen shots will guide you to the pages that we will be using today.

Use these screenshots when you’re back in your office working on a project.
The U.S. Census Bureau offers various tools for data mapping:

- **Census Data Mapper**
  - State, county
- **Census Flows Mapper**
  - County
- **SAIPE (Small Area Income and Poverty Estimates) Map Viewer**
  - State, county, school district
- **American FactFinder**
  - State, county, school district, zip code, census tract
  - **SAHIE (Small Area Health Insurance Estimates) Map Viewer**
  - State, county,
- **OnTheMap**
  - County, city, zip code
Geography is central to the work of the Census Bureau, providing the framework for survey design, sample selection, data collection, tabulation, and dissemination. Geography provides meaning and context to statistical data.

Tell us what YOU think

TIGER Products
Spatial extracts for use in GIS software from the MAF/TIGER database, containing features such as roads, rivers, and legal and statistical geographic areas.

TIGERweb
A web-based application giving users a way to view geographic data, including roads, rivers, legal and statistical areas, without having to download data.

Reference Maps
Reference maps easily show the boundaries and names of geographic areas for which statistical data is tabulated.

View All Maps & Data
Maps & Data

Find geographic data and products such as the TIGER/Line Shapefiles, KMLs, TIGERweb, cartographic boundary files, geographic relationship files, and reference and thematic maps.

Maps

The Census Data Mapper is a web mapping application intended to provide users with a simple interface to view, save and print county-based demographic maps of the United States.

Reference Maps

Reference maps are designed to show the geographic locations of features and boundaries. Thouse maps usually contain features, such as roads and rivers, and boundaries, such as county, place, census tracts, or many more. These maps do not contain demographic data and are used solely to show the location of and relationship between boundaries and features. For interactive reference maps see TIGERweb.

Thematic Maps

Thematic maps are designed to show demographic, economic, business, or socioeconmic data about or characteristics of an area. Thematic maps tell a story spatially. They show a theme, or special topic, for a geographic area. Thematic maps may use features from reference maps as their base and then display additional data to tell a story about that area.

Maps Available for Purchase

A list of maps for purchase. Many of our maps are available to purchase in wall size format.

Geographic Data

TIGER Products

Geospatial Files and Applications from our MAF/TIGER database. Tools for use in GIS software. Web Mapping Services (WMS) to use in your applications, and browsers to view geographic data.

Census Geocoder

The Census Geocoder allows users to look up the geography an address is located within for up to 1,000 addresses at a time.

Partnership Shapefiles

The Partnership Shapefiles are used in our partner programs to share data with and capture data from our partners.

Relationship Files

Relationship files help users compare different vintages of geography, such as Census 2000 blocks to 2010 Census blocks in text format.

Gazetteer Files

Lists of geographic entities, such as county, place, and census tracts, with information on name, geographic code, population, housing unit counts, and latitude/longitude of the internal point.
Census Data Mapper

The Census Data Mapper is a web mapping application intended to provide users with a simple interface to view, save and print county-based demographic maps of the United States. The data are from the 2010 Census.

Please click on the image or link below to launch the application.

Application Requirements:
- To view this application, you will need the Adobe Flash Player available free from Adobe.
- To save and print a map, you will need the Adobe Reader available free from Adobe.
- To save tabular data, you will need Microsoft Excel or the Microsoft Excel Viewer available for free from Microsoft.

Launch the Census Data Mapper
Census Flows Mapper

The Census Flows Mapper is a web mapping application intended to provide users with a simple interface to view, save and print county-to-county migration flows maps of the United States. The data are from the 2006-2010 and 2007-2011 American Community Surveys.

Please click on the image or link below to launch the application.

Launch the Census Flows Mapper

Application Requirements:

- To view this application, you will need the Adobe Flash Player available for free from Adobe.
- To save and print a map, you will need the Adobe® Reader® available for free from Adobe.
- To save tabular data, you will need Microsoft Excel or the Microsoft® Excel® Viewer available for free from Microsoft®.

Click here for a list of new features for Census Flows Mapper v1.1

Please send feedback to sehsmigration@census.gov

Source: U.S. Census Bureau
Geography Division
Created: February 27, 2013
Last Revised: March 20, 2014
Select a geographic type: 

or Census Tracts

Select one or more geographic areas and click Add to Your Selections:

- All Counties within Nebraska
- Adams County, Nebraska
- Antelope County, Nebraska
- Arthur County, Nebraska
- Banner County, Nebraska
- Blaine County, Nebraska
- Boone County, Nebraska
- Box Butte County, Nebraska
- Boyd County, Nebraska
- Brown County, Nebraska

Select, then

ADD TO YOUR SELECTIONS

Select and view your table
Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau’s Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Adams County, Nebraska</th>
<th>Antelope County, Nebraska</th>
<th>Arthur County, Nebraska</th>
<th>Banner County, Nebraska</th>
<th>Blaine County, Nebraska</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population 16 years and over</td>
<td>24,853</td>
<td>24,853</td>
<td>354</td>
<td>601</td>
<td>453</td>
</tr>
<tr>
<td>In labor force</td>
<td>16,963</td>
<td>16,963</td>
<td>253</td>
<td>420</td>
<td>309</td>
</tr>
<tr>
<td>Civilian labor force</td>
<td>16,950</td>
<td>16,950</td>
<td>246</td>
<td>420</td>
<td>309</td>
</tr>
<tr>
<td>Employed</td>
<td>16,047</td>
<td>16,047</td>
<td>242</td>
<td>405</td>
<td>306</td>
</tr>
<tr>
<td>Unemployed</td>
<td>912</td>
<td>912</td>
<td>15</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>Armed Forces</td>
<td>4</td>
<td>-</td>
<td>0</td>
<td>-</td>
<td>0</td>
</tr>
<tr>
<td>Not in labor force</td>
<td>7,690</td>
<td>7,690</td>
<td>101</td>
<td>81</td>
<td>144</td>
</tr>
<tr>
<td>Civilian labor force</td>
<td>16,960</td>
<td>16,960</td>
<td>248</td>
<td>420</td>
<td>309</td>
</tr>
<tr>
<td>Percent Unemployed</td>
<td>9.4%</td>
<td>9.4%</td>
<td>2.4%</td>
<td>3.6%</td>
<td>4.8%</td>
</tr>
<tr>
<td>Females 15 years and over</td>
<td>12,489</td>
<td>12,489</td>
<td>158</td>
<td>312</td>
<td>220</td>
</tr>
<tr>
<td>In labor force</td>
<td>7,819</td>
<td>7,819</td>
<td>158</td>
<td>312</td>
<td>220</td>
</tr>
<tr>
<td>Civilian labor force</td>
<td>7,819</td>
<td>7,819</td>
<td>158</td>
<td>312</td>
<td>220</td>
</tr>
<tr>
<td>Employed</td>
<td>7,474</td>
<td>7,474</td>
<td>158</td>
<td>312</td>
<td>220</td>
</tr>
<tr>
<td>Own children under</td>
<td>2,421</td>
<td>2,421</td>
<td>63</td>
<td>63</td>
<td>46</td>
</tr>
</tbody>
</table>

factfinder2.census.gov/face/tableservices/servlet/XmlWebTable?tid=table
Thematic Map of Percent; EMPLOYMENT STATUS - Percent Unemployed
Geography: by County

Source: U.S. Census Bureau, 2008-2012 American Community Survey
✓ Local Area Personal Income and Employment
  • State, county
✓ Real Personal Income and Regional Price Parities
  • State, metro/nonmetro
✓ GDP and Personal Income Mapping
  • State, county
• BEARFACTS for States & Local Areas
  • State, county
Regional Data
GDP & Personal Income

Table

Select a table to display, or go directly to our Download Section.

- Gross Domestic Product by State
- Gross Domestic Product by Metro Area
- Quarterly State Personal Income
- Annual State Personal Income and Employment
- Local Area Personal Income and Employment
  - Personal income, per capita personal income, and population (CA1-3)
  - Average wage per job, wages and salaries and employment (CA34)
  - Personal income and employment summary (CA04)
  - Personal income and earnings by industry (CA05, CA05N)
  - Compensation of employees by industry (CA06, CA06N)
  - Total full-time and part-time employment by industry (CA25, CA25N)
  - Economic profiles (CA30)
  - Personal current transfer receipts (CA35)
  - Farm income and expenses (CA45)
  - Gross flow of earnings (CA91)

- Real Personal Income and Regional Price Parities
Regional Data
GDP & Personal Income

Select a table to display, or go directly to our Download Section.

- GROSS DOMESTIC PRODUCT BY STATE
- GROSS DOMESTIC PRODUCT BY METRO AREA
- QUARTERLY STATE PERSONAL INCOME
- ANNUAL STATE PERSONAL INCOME AND EMPLOYMENT
- LOCAL AREA PERSONAL INCOME AND EMPLOYMENT

REAL PERSONAL INCOME AND REGIONAL PRICE PARITIES

- Real personal income (RP11)
- Regional price parities (RRP1)
- Implicit regional price deflator (IRPD1)
U.S. Bureau of Labor Statistics

www.bls.gov

✓ Mapping Unemployment Rates
  • State, metropolitan areas, county

✓ Location Quotient
  • State, counties

✓ Inflation Calculator
  • U.S.

• Nebraska Department of Labor, Labor Market Information also has labor information for Nebraska
  • http://neworks.nebraska.gov/analyzer/default.asp
### Databases, Tables & Calculators by Subject

#### On This Page:
- Inflation & Prices
- Employment
- Unemployment
- Pay & Benefits
- Spending & Time Use
- Productivity
- Workplace Injuries
- International
- Employment Projections
- Regional Resources
- Historical News Release
- Maps
- Calculators
- Public Data API

#### Inflation & Prices

<table>
<thead>
<tr>
<th>Database Name</th>
<th>Special Notice</th>
<th>Top Picks</th>
<th>One Screen</th>
<th>Multi-Screen</th>
<th>Tables</th>
<th>Text Files</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prices - Consumer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Urban Consumers (Current Series) (Consumer Price Index - CPI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urban Wage Earners and Clerical Workers (Current Series) (Consumer Price Index - CPI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Urban Consumers (Chained CPI) (Consumer Price Index - CPI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Price Data (Consumer Price Index - CPI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department Store Inventory Price Index (Consumer Price Index - CPI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prices - Producer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industry Data (Producer Price Index - PPI)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Create Customized Maps

#### Mapping Unemployment Rates (States, Metropolitan Areas, Counties)

### Calculators

<table>
<thead>
<tr>
<th>Calculator Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inflation</td>
<td>Easily find out how the buying power of the dollar has changed over the years using the inflation calculator.</td>
</tr>
<tr>
<td>Location Quotient</td>
<td>Provides a way to readily compare the industrial activity levels among different areas of the country.</td>
</tr>
<tr>
<td>Injury and Illness</td>
<td>Allows users to calculate injury and illness incidence rates for their specific establishment or firm and to compare them with the averages for the Nation, for States, and for the industry in which the establishment is found.</td>
</tr>
</tbody>
</table>

### Public Data Application Programming Interface (API)

The BLS Public Data API gives the public access to raw economic data from all BLS programs.

### About the Tools

- **TOP PICK**: Allows users to quickly retrieve BLS time series data from lists of those most commonly requested.
- **ONE-SCREEN DATA SEARCH**: This application requires a Java-enabled browser. Choose the data you want from BLS databases on a simple, one-screen form.
- **FORM-BASED DATA SEARCH**: A form-based query application which allows you to obtain BLS time series data based on choices you make.
- **BLS DOWNLOAD**: A link to the BLS Download server. Given the limitations on the amount of data which can be extracted using any of the applications provided on the Web site, the Download server can be ideal for those users requiring large volumes of time series data.