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World Data Center-A
for Human Interactions
in the Environment

Columbia University
in the City of New York



Demographic Data Cartogram

U.S. Census Data for GIS Users

Overview

Mapping geographic distributions of socioeconomic data is essential for a range of Geographic Information System (GIS) users, including researchers, public agencies, and businesses. A common problem is that data are not readily accessible in formats compatible with popular desktop GIS software packages. Now, the Demographic Data Cartogram (DDCarto) service provides easy access to U.S. census boundary data in GIS format via the Internet.

DDCarto supplies GIS coverages for the U.S in three different formats:

- ".bna" (Atlas*GIS®)
- ".e00" (ARC/INFO®)
- ".mid" and ".mif" (MapInfo®)

Users may obtain census geography boundaries for any location in the United States. Users may also acquire socioeconomic attribute data for each coverage. The data are accessed from CIESIN's Archive of Census-Related Products.

DDCarto is one of several services provided by SEDAC's Population, Land Use and Emissions Data Project. This project is a unique effort to link georeferenced demographic and other

socioeconomic data products with remote sensing data on land cover and use.

Data

DDCarto provides access to boundary data at block, block group, tract, and county levels from the 1992 TIGER (Topographically Integrated Geographic Encoding and Reference) files. These may be linked with more than 200 variables derived from the 1990 U.S. Census Summary Tape File (STF) 3A. Topics covered include:

- general population
- persons by sex, race and age
- households by size, type, and income
- families by number of workers
- level of education, occupation
- housing units, age, and value

Not all variables are available at the block level.

Users

DDCarto is a valuable resource for users of desktop mapping and GIS software, including state and local planners, corporations, marketing firms, non-profit organizations, educators, students, and natural and social scientists.

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Access

DDCarto may be accessed via the Internet at the Uniform Resource Locator (URL):

<http://plue.sedac.ciesin.org/plue/ddcarto>

GIS data files are stored in Atlas*GIS® export format and in the Archive of Census-Related Products and may be retrieved directly from the file transfer protocol (ftp) site:

<ftp://ftpservers.ciesin.org/pub/census/>

Files in ARC/INFO® or MapInfo® format must be converted. Conversions are processed overnight, and the user is sent electronic mail with instructions to pick up the data via ftp when ready.

Data Confirmation

Please confirm your order

(or back out)

- Coverage: **block groups SAGINAW-BAY CITY-MIDLAND MI**
- GIS format: **ARC/INFO**
- Attribute files: **A & B**
- Your email address: **joe.schmos@ciesin.org**

The map shows the median year that houses were built in Saginaw-Bay City-Midland, Michigan at the block group level as of 1990. It was produced in ArcView® from DDCarto data.

This service is provided by the Center for International Earth Science Information Network at Columbia University through its Socioeconomic Data and Applications Center (SEDAC). SEDAC is supported by the National Aeronautics and Space Administration (NASA) under contract NAS5-98162.

State Selection



Census Area Selection

Select the area you want within the appropriate Census geography:

block groups JACKSON MI
 block groups SALAMANCO MI
 block groups SANFORD-EAST LANSING MI
 block groups HUNTSVILLE MI
 block groups SAGINAW-BAY CITY-MIDLAND MI
 block groups Non-metro remainder of MI
 blocks ALCOBA COUNTY
 blocks ALGER COUNTY
 blocks ALLENBAY COUNTY

Select desired GIS format:

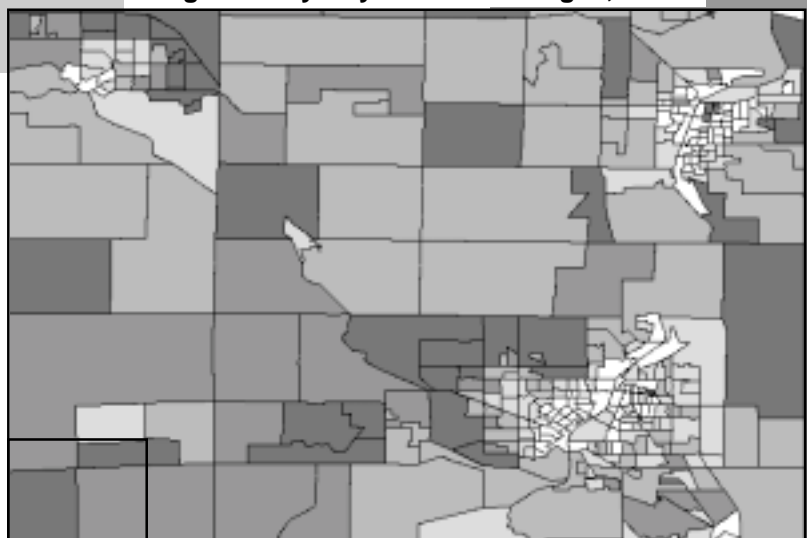
Attach attribute file (optional):

Atlas GIS files can be accessed immediately. For ARC/INFO or MapInfo formats, DDCarto will email you after overnight processing. If you have selected either Arc or MapInfo format you must provide your email address.

email:

Sample data selection and retrieval process from DDCarto.

Age of Housing Stock in Saginaw-Bay City-Midland Michigan, 1990



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