New Data & New Services

Xiaosen Wang
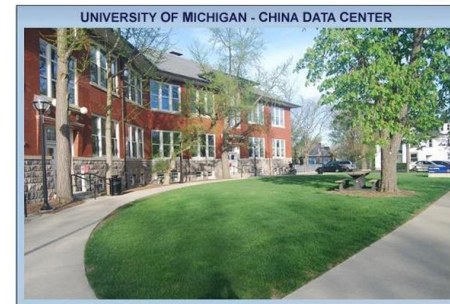### China Data Center
University of Michigan

xiaosenw@umich.edu

About China Data Center

- Established in **1997**
- Hosted by the Institute of Social Research (**ISR & ICPSR**) of the University of Michigan
- The **primary data source** for China studies outside of China
- The **central place** for the distribution of many comprehensive and unique China data products and services, including statistics, census data and spatial data
- Serving more than **200 institutional memberships** (university libraries) across the world
- Offering online data services in **English and Chinese**

The Unique China Data Products

GIS Based China Spatial Data:

- 2000/2010 China Township Population Census Data with GIS Maps
- 2000/2010 China County Population Census Data with GIS Maps
- 2000/2010 China Province Population Census Data with GIS Maps
- 2000/2010 China Grid Population Census Data with Township Boundaries
- China Historical Province Population Census Data with GIS Maps (1953, 1964, 1982, 1990, 2000)
- China Historical County Population Census Data with GIS Maps (1953, 1964, 1982, 1990, 2000)
- China 1995 Industrial Census Data with GIS Maps
- China 2001 Basic Unit Census Data with GIS Maps
- China 2004 Economic Census Data with GIS Maps
- China 2008 Economic Census Data with GIS Maps
- China City and County Statistical Indicators with Maps (1996-)

China Geo-Explorer

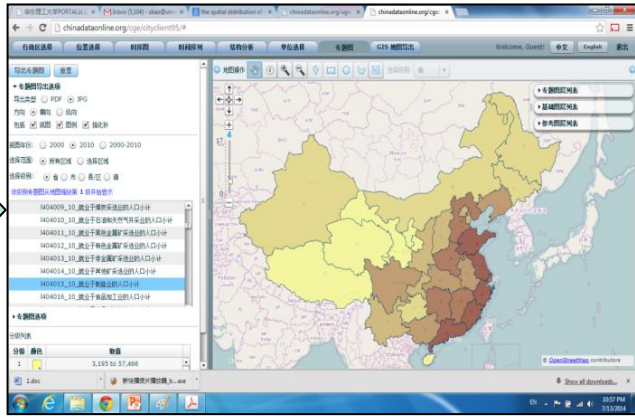## An Integration of Spatial Data and Analysis for China Studies

Statistics   **Data**

Census

GIS

Charts   **Output**
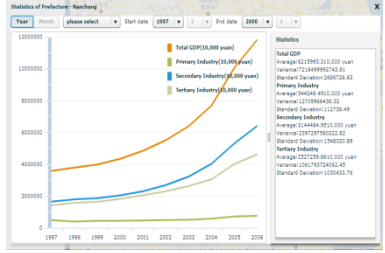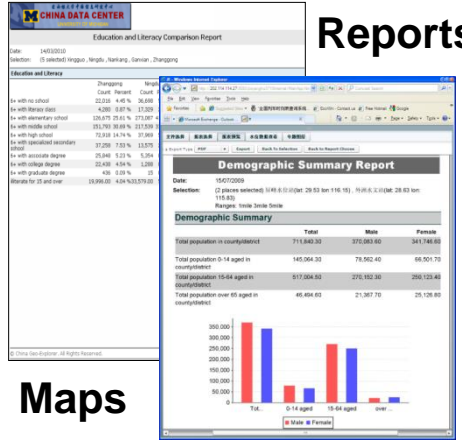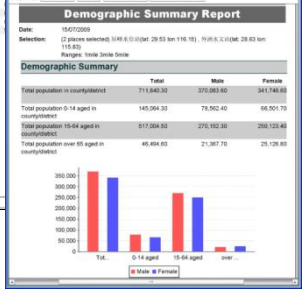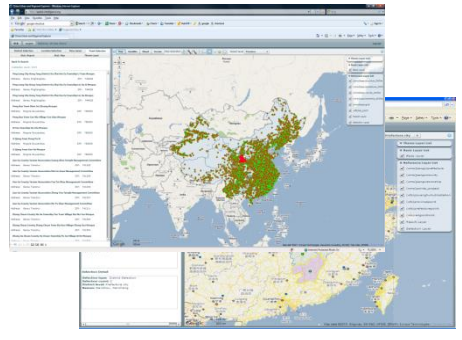
Tables

Reports

Maps

- **Government Statistics**
  - Provincial Statistics (1949 -)
  - City Statistics (1996 -)
  - County Statistics (1997 -)
- **Population Census**
  - Census 53/64/82/90/00/10 (GRID)
  - Census 2000/2010 (province, city, county, township)
- **Economic Census**
  - Industrial Census 1995 (province, city, county, ZIP)
  - Basic Unit Census 2001 (province, city, county, ZIP)
  - Economic Census 2004/2008 (province, city, county, ZIP)
- **Establishments** (individual companies and orgs)
  - Industrial Census(1995)
  - Basic Unit Census (2001)
  - Economic Census (2004/2008)
- **Geography and Environment**
  - Land Use data (GRID)
  - Night-Time data (GRID)
  - Transportation (railway, highway, roads)
  - Rivers and Lakes
  - ….

US Data Service-US Geo-Explorer

Data Sources (Licensed data from business information providers):

• Applied Geographic Solutions, Inc. ("AGS" - www.appliedgeographic.com)
• InfoGroup, Inc. (www.infogroup.com)

Data Coverage:

• **Population Census** (State, County, Tract, Block, Metropolitan, CCD, Place)
  ○ Census 1970, 1980, 1990, 2000, 2010
  ○ American Community Survey

• **Economic Census** (State, County, Metropolitan)
  ○ Annual Census reports from 1986 to current

• **Business Establishments** (individual companies and organizations)
  ○ More than 13 million firm level records for 2013 (85 fields)
  ○ Aggregated data tables by State, County, Tract, Block, Metropolitan, CCD, Place, ZIP (1997-2013)

Features of China and US Geo-Explorers

Comparable:

➢ Comparable data from different sources (years)

➢ Comparable data for different regions

➢ Comparable data for the US and China
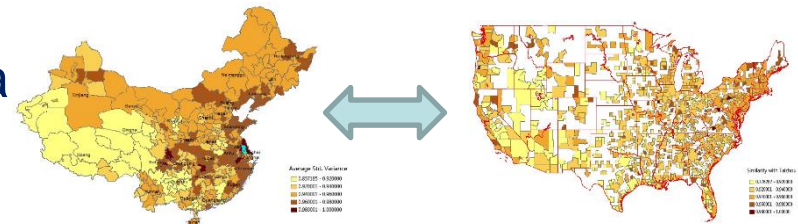
Flexible:

➢ Flexible functions for data selection

➢ Flexible formats for data export (Excel, HTM, Word, PDF, GIS shape file)

➢ Flexible outputs of tables, reports, charts, and maps

Unlimited:

➢ Unlimited data access

➢ Unlimited new data sets generated from limited databases

➢ Unlimited outputs (reports, charts, maps and tables)

Easy:

➢ No professional training is required for using the explorers

➢ No GIS skills is required for spatial analysis and mapping

Explore the Largest Map Collection:
Chinese Map Library

Maps:
- ❑ **Province maps:**   **7,000**
- ❑ **Prefecture city maps (31*7,000):**   **217,000**
- ❑ **County maps (345*7000):**   **2,415,000**
- ❑ **Township maps (2876*2100):**   **6,039,600**
  - **Total number of maps:**   **8,678,600**

Export:
- ❑ **Map in PDF or JPG**
- ❑ **Data in Excel or CSV(**Comma-Separated Values)

Browse and Search:
- ❑ **By categories**
- ❑ **By administrative regions (province, city, county and town)**
- ❑ **By data sources**
- ❑ **By year**

The Online Chinese Map Library

spatial-intelligence.org:8080/MapLib/

Chinese Map Library

Explore the Largest Collection of Statistical Maps

Category: All Categories

Search All fields - enter search terms here   Search   Clear

Geography: Geography (default is ALL)

Categories
- Age composition
- Education
- Emigration
- Employed population
- Farming, Forestry, Animal Husbandry and Fishery
- Fertility
- Household and housing
- Leasing and Business Services
- Manufacturing
- More

Subject
- Age
- Emigration
- Farming
- Hotel and Restaurants
- Housing
- Information Transmission
- Leasing
- Retail Trade
- Transport

Source
- Population Census 2010
- Economic Census 2008
- Economic Census 2004
- Basic Unit Census 2001
- Population Census 2000
- Industry Census 1992
- Land Use

Level of Detail
- Province
- City
- County
- Township

The Online Chinese Map Library

Chinese Map Library

Explore the Largest Collection of Statistical Maps

Category: | All Categories ▾ | Search All fields - enter search terms here | Search | Clear

Geography: Geography (default is ALL)

Result Topics

All Results (1119)

▼Subject (289)
- Age (37)
- Emigration (50)
- Farming (46)
- Hotel and Restaurants (38)
- Housing (41)
- Information Transmission (24)
- Leasing (15)
- Retail Trade (9)
- Transport (29)

▼Source (197)
- Population Census 2010 (13)
- Economic Census 2008 (3)
- Economic Census 2004 (22)
- Basic Unit Census 2001 (33)
- Population Census 2000 (46)
- Industry Census 1992 (42)
- Land Use (38)

▼Level of Detail (112)
- Province (48)
- City (8)

Results **1-20** of 1119   ◄◄ ◄ **1** 2 3 4 ► ►►   Sort by: Relevance ▾

1   **Total Number of Households**
Source: Population Census 2010

Level of Detail: Province, City, County, Township

2   **Total Agriculture Population**
Source: Population Census 2010

Level of Detail: Province, City, County, Township

3   **Subtotal of Employed Population**
Source: Population Census 2010

Level of Detail: Province, City, County, Township

4   **Total Number of Family Households that Spent from 1000 to 1500 Yuan monthly on Renting Houses**
Source: Population Census 2010

Level of Detail: Province, City, County, Township

5   **Total Population aged 60 or order**
Source: Population Census 2010

Level of Detail: Province, City, County, Township

6   **Total Number of Persons Migrated from Other Provinces**
Source: Population Census 2010

Level of Detail: Province, City, County, Township

The Online Chinese Map Library

To Apply for a Trial:

China Data Center

University of Michigan

Chinadata@umich.edu

(734)647-9610

http://chinadataonline.org