

China Data Institute

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An Introduction to the Population Census Data of China

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Background

- Population Census (1953, 1964, 1982, 1990, 2000, 2010)
- Industrial Census (1950, 1985, 1995)
- The Third Industry Census (1993)
- Basic Unit Census (1996, 2001)
- Economic Census (2004, 2008, 2013)
- R&D Resource Census (2000, 2009)
- Agricultural Census (1997, 2007, 2016)

The Population Census of China

• The earliest population Census in China: 2 AD

(西汉汉平帝元始二年,公元2年)

- Recent censuses:
 - The 1st Census: July 1, 1953
 - The 2nd Census: July 1, 1964
 - The 3rd Census: July 1, 1982
 - The 4th Census: July 1, 1990
 - The 5th Census: Nov 1, 2000
 - The 6th Census: Nov 1, 2010



- 1990, 2000 & 2010 Census household survey forms:
 - Short Form (100%)
 - Long Form (about 10%)
- Notes
 - Data in the publication do not include People's Army.
 - The post-census sample survey indicates an undercount of 0.12% in 2010 Census.

The Definition of Residents

Residents: All permanent residents who have Chinese citizenships and have permanent living places in Mainland China:

- a) Those who reside in the townships, towns and street communities and have their permanent household registration there.
- b) Those who have resided in the townships, towns and street communities for more than 6 months but the places of their permanent household registration are elsewhere.
- c) Those who have resided in the townships, towns and street communities for less than 6 months but have been away from the place of their permanent household registration for more than 6 months.
- d) Those who live in the townships, towns and street communities during the population census while the places of their household registration have not yet settled.
- e) Those who used to live in the townships, towns and street communities but are working or studying abroad during the census and have no Permanent household registration for the time being.

Permanent Population & Migration

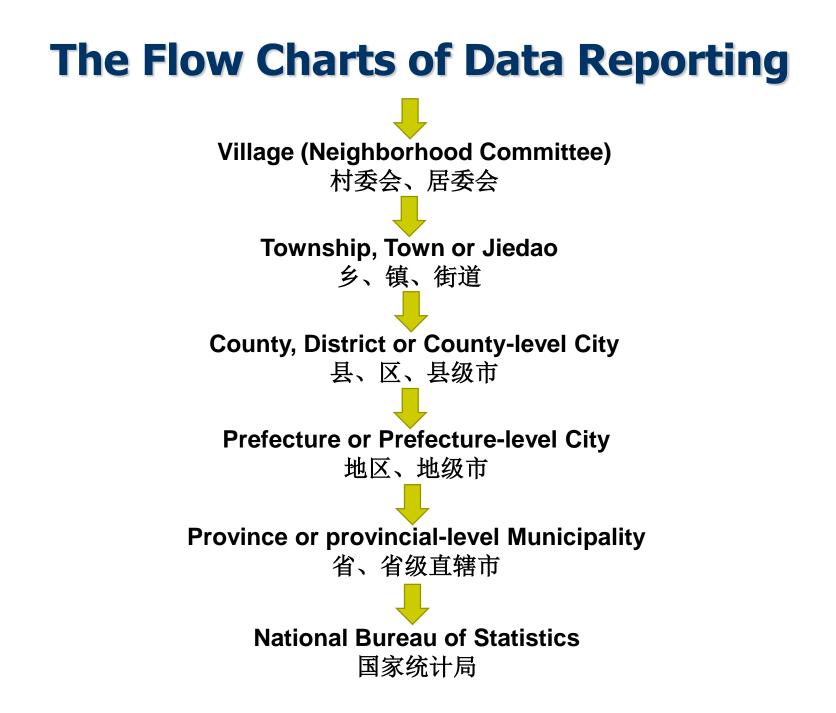
Permanent Population (> 6 months):

- a) Those who have resided in the townships, towns and street communities for more than 6 months.
- b) Those who have local household registration but have been living in other places for less than 6 months.
- c) Those who used to live in the townships, towns and street communities but are working or studying abroad during the census and have no permanent household registration for the time being.

Migration (less than 6 months):

Those who have resided in the townships, towns and street communities for less than 6 months.

- Other Townships of the same county (city)
- Other Towns of the same county (city)
- Other Jiedao of the same county (city)
- Other Townships of the same district
- Other Towns of the same district
- Other Jiedao of the same district
- Other county or district of the same province
- Other provinces



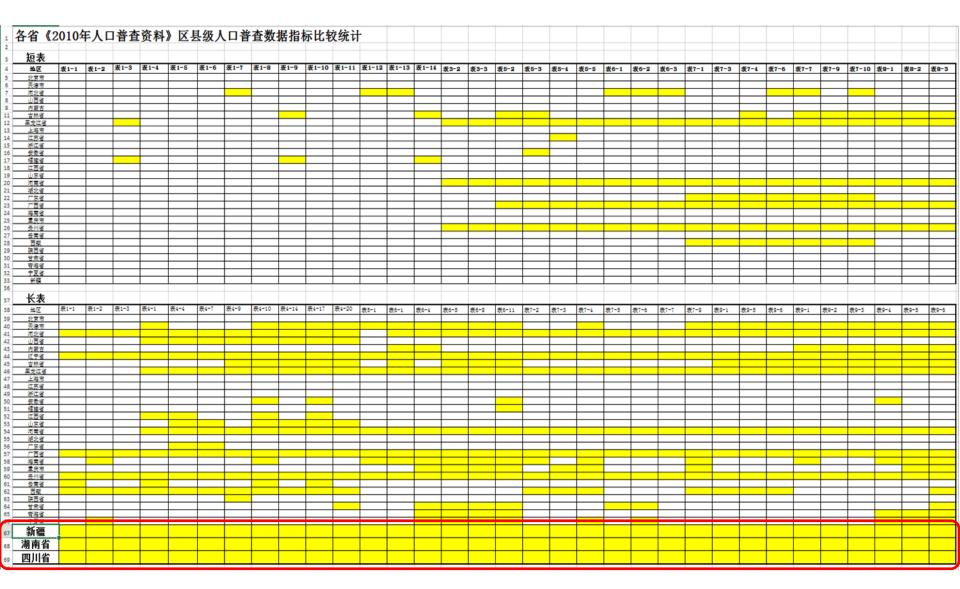
Government Publications

- National Census Bulletin 人口普查公报
- Population Census Data Assemblies (nation, province, city and county)人口普查数据资料汇编
 - China Population Data Assemblies
 全国人口普查数据处理资料汇编
 - Province Population Data Assemblies 省级人口普查数据处理资料汇编
 - China Population Data by Counties 中国人口普查分县资料
 - China Population Data by Xiang, Zhen and Jiedao 中国人口普查分乡、镇、街道资料
- Population 1% Sampling Report 全国1%人口抽样调查主 要数据公报

Some Issues with Census Data Publications

- Most data are in paper publications only
- Most publications are in Chinese only
- No income data in household surveys
- No geo-reference data similar to TIGER/Line data (Topologically Integrated Geographic Encoding and Referencing)
- Inconsistent and Incomplete census tables across regions

Missing County Data in the 2010 Provincial Census Data Assemblies



Note: The yellow color indicates missing county data in the 2010 Provincial Census Data Assemblies

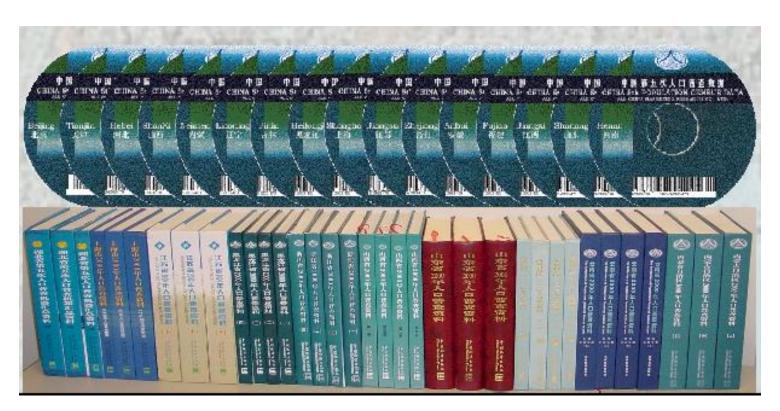
Missing Urban & Rural Population

100	Urban 城镇
110	City 城市
111	Urban with Districts (>1500 persons/sq km) 设区市的市区
112	Urban without Districts 不设区市的市区
120	Town 镇
121	The capital town of county 县及县以上人民政府所在建制镇的 镇区
122	Other towns 其他建制镇的镇区
200	Rural 乡村
210	Rural Townships 集镇
220	Villages 农村
	Others (mines, tourist areas, development zones, etc.)
	Urban if more than 3000 population
	Rural if less than 3000 population

CDC Publications: E-books

- the mostly complete and comprehensive census data of China

- The Complete Collection of China 2000 Provincial Population Census Data Assembly (32 volumes)
- The Complete Collection of China 2000 County Population Census Data Assembly (2,876 volumes)



CDC Publications: GIS Based Products

- 2000 China Province Population Census Data with GIS Maps
- 2000 China City Population Census Data with GIS Maps
- 2000 China County Population Census Data with GIS Maps
- 2000 China Township Population Census Data with GIS Maps
- 2000 China Grid Population Census Data with Township Boundaries
- 2010 China Province Population Census Data with GIS Maps
- 2010 China City Population Census Data with GIS Maps
- 2010 China County Population Census Data with GIS Maps
- 2010 China Township Population Census Data with GIS Maps
- 2010 China Grid Population Census Data with Township Boundaries
- 2000-2010 China Province Population Census Data with GIS Maps
- 2000-2010 China City Population Census Data with GIS Maps
- 2000-2010 China County Population Census Data with GIS Maps
- 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)



Notes On The GIS Maps for Census Data

(1) The China GIS map were developed for population Census data, which covered all mainland of China, except for Taiwan, Hong Kong and Macau.

(2) The GIS data is based on the national digital map (1:1 million) developed by the National Geographic Information Center of China (NGCC).

(3) The China GIS maps are developed for matching China population Census data, which should only be used as references for research or education instead of used as official maps.

Unique Features of Census Data from the China Data Institute

- Electronic data directly from the National Bureau of Statistics with official authorization
- Language available in Chinese and English
- Comparable data across regions (province, city and county) and years (2000 and 2010)
- **Geo-referenced** census data with GIS maps
- **Complete** data coverage for all regions
- Affordable costs
- Three-level customer support (CDI, ACMR, NBS)

Population Census Data with GIS Maps > 2,000 demographic variables in population Census

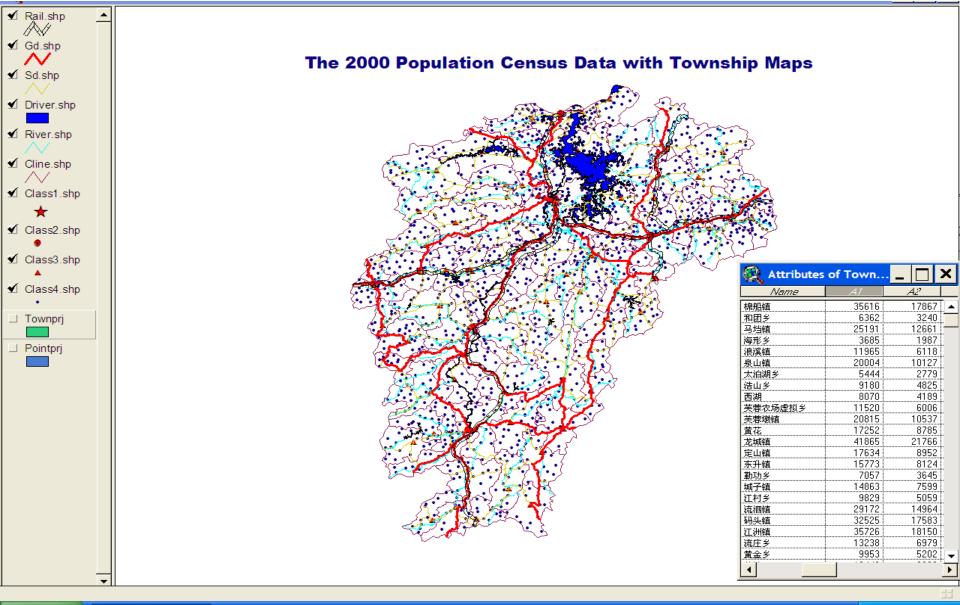
Geographical Levels: Country Province Prefecture County Township 1 sq km Grid

Census data variables:

- General Information
- Nationalities
- Age Structure
- Household Structure
- Education
- Fertility
- Deaths
- Marriage
- Migration
- Housing Status
- Industries and Occupations



Township Map with Census Data



Access to the Census Data

Order CD products:

http://chinadatacenter.net

Online access to e-books:

http://china-data-online.com

□ Online access to census maps:

http://china-data-online.com

Online access to spatial data:

http://chinageoexplorer.com

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China Data Sources Authoritative, Unique, Comprehensive

- Government Statistics
- Provincial Statistics (1949)
- City Statistics (1996)
- County Statistics (1997)
- Population Census

Province

Prefecture

County

Township

ZIР

Km Grid

Sq

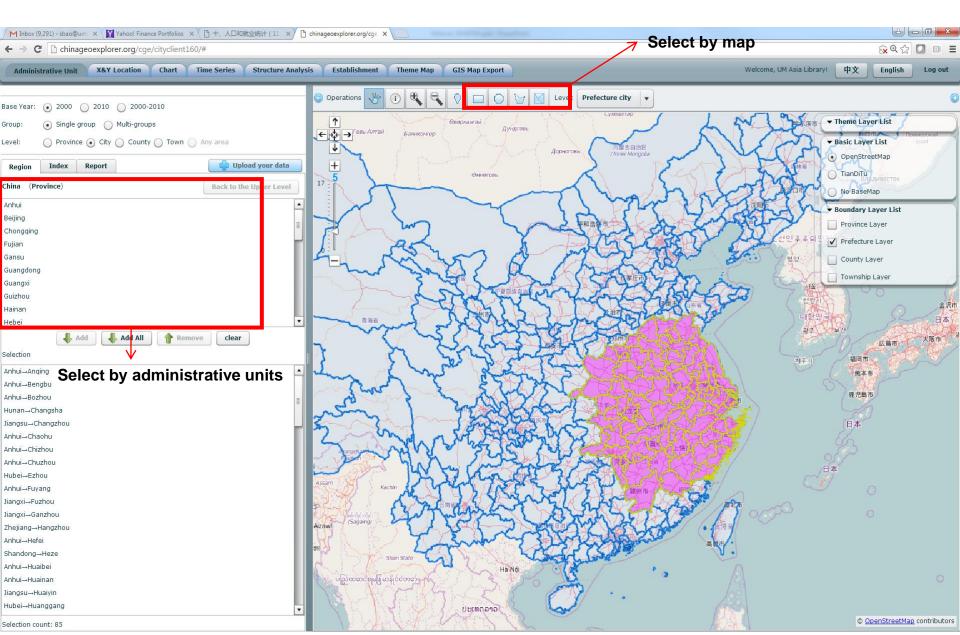
- o Census 1953 (GRID)
- o Census 1964 (GRID)
- o Census 1982 (GRID)
- Census 1990 (GRID)
- Census 2000/2010 (province, city, county, township, GRID)
- Economic Census
- Industrial Census 1995 (province, city, county, ZIP)
- Basic Unit Census 2001 (province, city, county, ZIP)
- Economic Census 2004/2008 (province, city, county, ZIP)
- Establishments (individual companies and organizations)
- Industrial Census(1995)
- Basic Unit Census (2001)
- Economic Census (2004/2008)
- Geography and Environment
- Land use data (province, city, county, township, GRID)
- Night-Time light data (province, city, county, township, GRID)
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Features of China Geo-Explorers

Comparable:

- Comparable data from different sources (years)
- Comparable data for different regions
- Comparable terms between English and Chinese 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

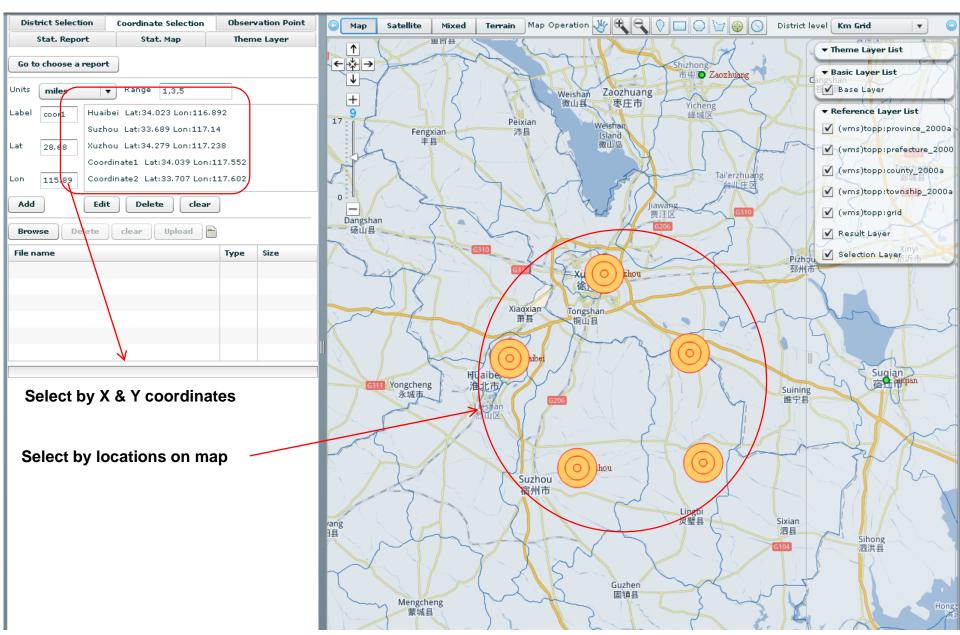
Selection by Administrative Regions



Selection by Self-Defined Shape (Polygon, Circle, Rectangle)

Administrative Unit X&Y Location Chart Time Series Structure Analys	Establishment Theme Map GIS Map Export	Welcome, UM Asia Library! 中文 English Log out
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Level: OProvince City County Town O Any area		▼ Basic Layer List
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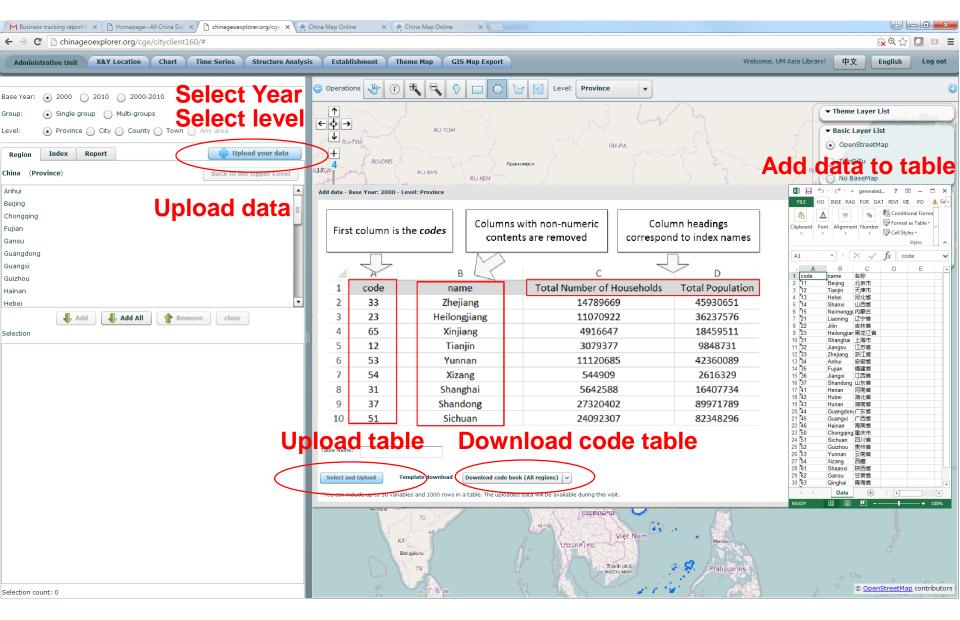
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