



China Data Institute

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China-data-online.org

**Survey Data Analysis
with
China and US Geo-Explorers**

**Shuming Bao, Ph.D.
Director, China Data Institute**

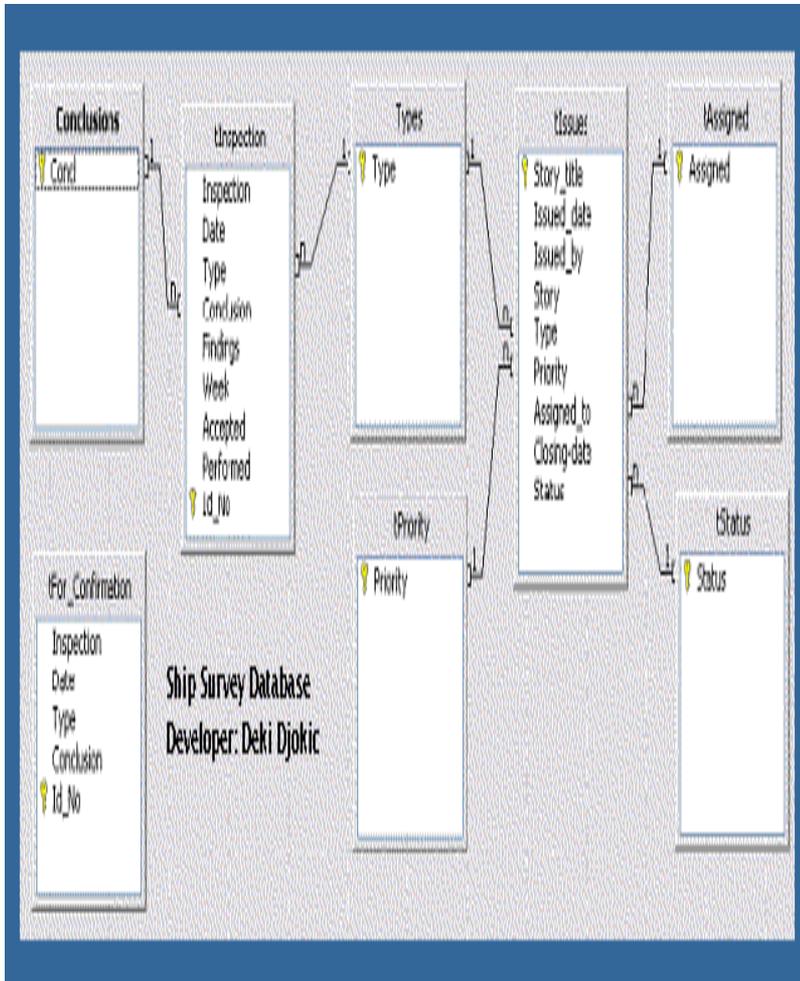
Topics

- 1. Exploring local amenity data**
(environmental data) with China Geo-Explorer
- 2. Integrating survey data with local amenity data** for spatial analysis
- 3. Mapping survey data** with Geo-Explorers
- 4. Comparative analysis** with China and US Geo-Explorers
- 5. Future directions**

1. Exploring Local Amenity Data

Survey Data

Community Data



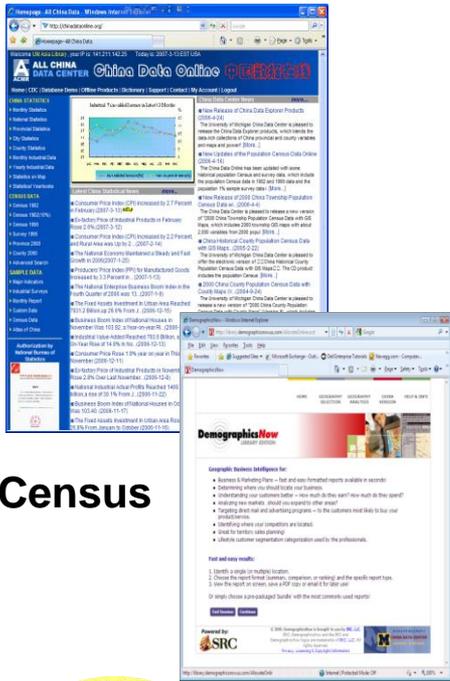
The screenshot shows an Excel spreadsheet with the following data:

Rank	Name	Total Households	Family Households	Collective Households	Total Population	Average Size: Family HHs
1	Yongqiao	440,628	436,292	4,336	1,586,132	3
2	Huoqiu	401,296	399,845	1,451	1,459,696	3
3	Yingshang	348,157	346,925	1,232	1,307,813	3
4	Guoyang	342,514	341,817	697	1,292,115	3
5	Lixin	329,396	329,208	188	1,324,424	4
6	Suining	328,036	326,763	1,273	1,204,585	3
7	Huaian	307,072	305,571	1,501	1,189,673	3
8	Shouxian	302,723	301,575	1,148	1,105,511	3
9	Suixi	302,600	301,647	953	1,135,536	3
10	Huaiyuan	301,671	300,425	1,246	1,230,866	4
11	Lujiang	301,121	298,547	2,574	1,126,347	3
12	Mengcheng	285,037	284,154	883	1,100,569	3
13	Siyang	280,836	279,214	1,622	1,157,467	4
14	Feidong	270,171	268,323	1,848	1,001,306	3
15	Sihong	265,808	263,554	2,254	1,019,168	3
16	Lingbi	262,759	261,686	1,073	1,048,773	3
17	Baoying	261,203	256,452	4,751	861,370	3
18	Jiaoqu	247,088	227,714	19,374	770,390	2
19	Gaoyou	245,744	241,884	3,860	788,988	3
20	Jiangning	245,086	235,600	9,486	769,701	3

US Geo-Explorer

An Integration of Spatial Data and Analysis for China Studies

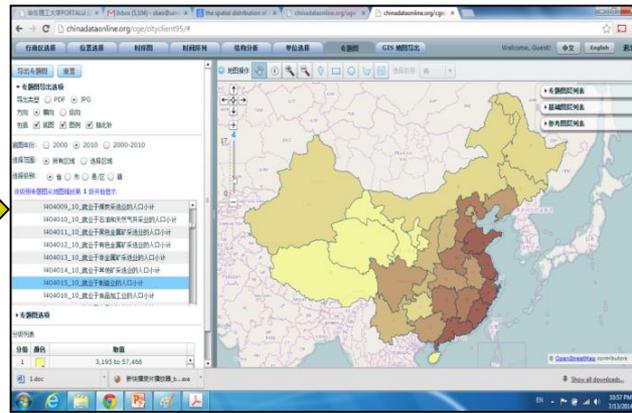
Statistics



Census

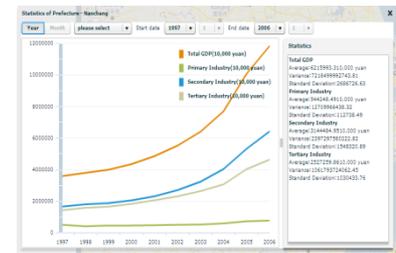


GIS

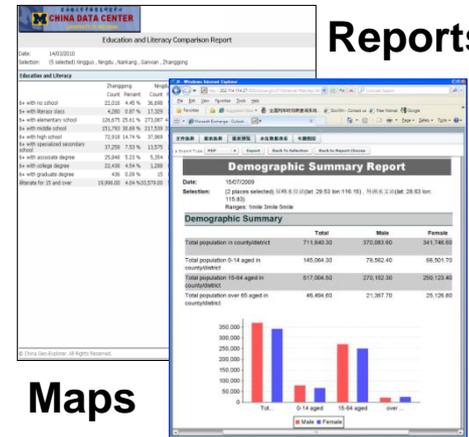


- Government Statistics
 - Provincial Statistics (1949 -)
 - City Statistics (1996 -)
 - County Statistics (1997 -)
- Population Census
 - Census 53/64/82/90/00/10 (GRID)
 - Census 2000/2010 (province, city, county, township)
- Economic Census
 - Industrial Census 1995 (province, city, county, ZIP)
 - 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
 -

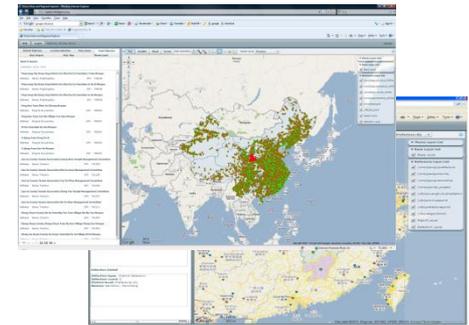
Charts



Tables



Maps



Output

Reports

US Geo-Explorer

More than 45,000 variables

State

Metropolitan

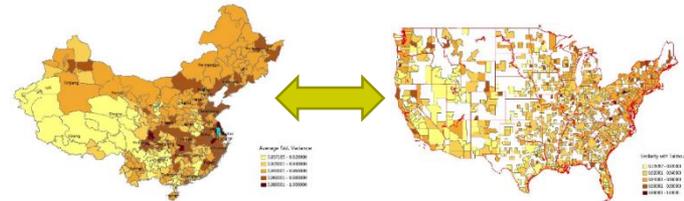
County

CCD

TRACT

BLOCK

- **Population Census**
(State, County, Tract, Block, Metropolitan, CCD, Place)
 - Population Census 1970
 - Population Census 1980
 - Population Census 1990
 - Population Census 2000
 - Population Census 2010
 - American Community Survey
- **Business Patterns**
(State, County, Metropolitan)
 - Yearly business patterns 1986 - 2013
- **Business Units**
 - Business Records 2013 (85 industries)
 - Aggregated reports 1997-2013
(State, County, Metropolitan, CCD , ZIP)



Data: China

Province

Prefecture

County

Township

ZIP

Sq Km Grid

- **Government Statistics**
 - Provincial Statistics (1949 -)
 - City Statistics (1996 -)
 - County Statistics (1997 -)
- **Population Census**
 - Census 1953
 - Census 1964
 - Census 1982
 - Census 1990
 - 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 (more than 7 millions companies and organizations)**
- **Geography and Environment**
 - Land Use data (GRID)
 - Night-Time data (GRID)
 - Transportation (railway, highway, roads)
 - Rivers and Lakes
- **Health Surveys**

Data: US



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

Economic Census (State, Metropolitan, County)

- **Business Data (State, Metropolitan, County, Tract, CCD, Place)**
- **Establishments (individual business and organizations)**
 - **Firm level records (more than 13 million records with 85 fields for each business)**

US Data

Population Census

index	code	ename
1	pop10	Population
2	rac10white	Race White Alone
3	rac10black	Race Black Alone
4	rac10amind	Race American Indian
5	rac10asian	Race Asian Alone
6	rac10hawai	Race Native Hawaiian
7	rac10other	Race Some Other Race
8	rac10mult	Two or More Races
9	his10nhisp	Population Non-Hispanic
10	his10hisp	Population Hispanic or
11	rch10whnhs	Non Hispanic White Alone
12	rch10blnhs	Non Hispanic Black Alone
13	rch10amnhs	Non Hispanic American Indian
14	rch10asnhs	Non Hispanic Asian Alone
15	rch10hanhs	Non Hispanic Native Hawaiian
16	rch10otnhs	Non Hispanic Some Other Race
17	rch10munhs	Non Hispanic Two or More Races
18	rch10whhis	Hispanic White Alone
19	rch10blhis	Hispanic Black Alone
20	rch10amhis	Hispanic American Indian
21	rch10ashis	Hispanic Asian Alone
22	rch10hahis	Hispanic Native Hawaiian
23	rch10othis	Hispanic Some Other Race
24	rch10muhis	Hispanic Two or More Races
25	sex10mal	Population Male
26	sex10fem	Population Female
27	age100004	Population Age 0-4
28	age100509	Population Age 5-9
29	age101013	Population Age 10-13
30	age101417	Population Age 14-17
31	age101820	Population Age 18-20

Business Data

COMPANY NAME

ADDRESS

CITY / STATE / ZIP + 4

CONTACT

POPULATION

FIRM/INDIVIDUAL/PROFESSIONAL

EMPLOYEE SIZE

SALES VOLUME

SIC / NAICS

ADSIZE

YEAR 1ST APPEARED

PUBLIC/PRIVATE

LATITUDE

LONGITUDE

Household Data

ADULT AGE RANGE

MARITAL

GENDER

RELIGION

CREDIT CARD

EXPENDABLE

HOUSEHOLD INCOME

HOME VALUE

HOME SALE PRICE

MORTGAGE

LANGUAGE

RESIDENCE

NIELSON REGION

YEARS OF SCHOOLING

MFDU - # OF UNITS

OCCUPATION

METRO/MICRO

DELIVERY SERVICE

POLITICAL PARTY

VEHICLE

AIRCRAFT

PILOT LICENSE

BOAT PROPULSION

INTERNET

01: Agricultural Production Crops	49: Electric, Gas, And Sanitary Services	
02: Agriculture production livestock and animal specialties	50: Wholesale Trade-durable Goods	
07: Agricultural Services	51: Wholesale Trade-non-durable Goods	
08: Forestry	52: Building Materials, Hardware, Garden Supply, And Mobile Home	
09: Fishing, hunting, and trapping	53: General Merchandise Stores	
10: Metal Mining	54: Food Stores	
12: Coal Mining	55: Automotive Dealers And Gasoline Service Stations	
13: Oil And Gas Extraction	56: Apparel And Accessory Stores	
14: Mining And Quarrying Of Nonmetallic Minerals, Except Fuels	57: Home Furniture, Furnishings, And Equipment Stores	
15: Building Construction General Contractors And Operative Builders	58: Eating And Drinking Places	
16: Heavy Construction Other Than Building Construction Contractors	59: Miscellaneous Retail	
17: Construction Special Trade Contractors	60: Depository Institutions	
20: Food And Kindred Products		
21: Tobacco Products		changes, And Services
22: Textile Mill Products		
23: Apparel And Other Finished		
24: Lumber And Wood Products, Except Furniture	65: Real Estate	
25: Furniture And Fixtures	67: Holding And Other Investment Offices	
26: Paper And Allied Products	70: Hotels, Rooming Houses, Camps, And Other Lodging Places	
27: Printing, Publishing, And Allied Industries	72: Personal Services	
28: Chemicals And Allied Products	73: Business Services	
29: Petroleum Refining And Related Industries	75: Automotive Repair, Services, And Parking	
30: Rubber And Miscellaneous Plastics Products	76: Miscellaneous Repair Services	
31: Leather And Leather Products	78: Motion Pictures	
32: Stone, Clay, Glass, And Concrete Products	79: Amusement And Recreation Services	
33: Primary Metal Industries	80: Health Services	
34: Fabricated Metal Products	81: Legal Services	
35: Industrial And Commercial Machinery And Computer Equipment	82: Educational Services	
36: Electronic And Other Electrical Equipment And Components	83: Social Services	
37: Transportation Equipment	84: Museums, Art Galleries, And Botanical And Zoological Gardens	
38: Measuring Instruments; Photographic; Watches And Clocks	86: Membership Organizations	
39: Miscellaneous Manufacturing Industries	87: Engineering, Accounting, Research, Management	
40: Railroad Transportation	89: Miscellaneous Services	
41: Transit And Interurban Highway Passenger Transportation	91: Executive, Legislative, And General Government, Except Finance	
42: Motor Freight Transportation And Warehousing	92: Justice, Public Order, And Safety	
43: United States Postal Service	93: Public Finance, Taxation, And Monetary Policy	
44: Water Transportation	94: Administration Of Human Resource Programs	
45: Transportation By Air	95: Administration Of Environmental Quality And Housing Programs	
46: Pipelines, Except Natural Gas	96: Administration Of Economic Programs	
47: Transportation Services	97: National Security And International Affairs	
48: Communications	99: Non-classifiable Establishments	

Business Data

> Cover more than 13 million establishments

The screenshot displays a web application interface for business data analysis. The main window shows a map of China with red dots representing establishments. A red arrow points from the 'Table Export' button in the top navigation bar to the 'contact' cell in the Excel spreadsheet. The spreadsheet contains a list of companies with columns for Name, address, area_code, telephone, type, ownership, starting year, revenue, employee, zip, province, city, and county.

Table Export

Back To Search: Manufacture of ...

Number of Establishments: over 250

Keywords: Jiangsu

1 - 50 << < [1] [2] [3] [4] >

Manufacture of Textile

Changzhou Wujin Chang Jia Chemical Industry Co., Ltd. Branch
Address: Jiangsu Changzhou ZIP: 213161

Gang Long Textile Nantong Co., Ltd. Jiu Long Branch
Address: Jiangsu Nantong ZIP: 226200

Jiangsu Bai Hua Industrial Group Co., Ltd.
Address: Jiangsu Nantong ZIP: 226100

Jiangsu Hai'an Pongee Group Co., Ltd. (Headquarter)
Address: Jiangsu Nantong ZIP: 226500

Suzhou Industrial Zone Xin Jiang Yam-dyed Fabric Co., Ltd. (Headquarter)
Address: Jiangsu Suzhou ZIP: 215001

Nanjing Hai Er Man Si Group (co., Ltd.) (Headquarter)
Address: Jiangsu Nanjing ZIP: 211100

Hai'an Xin Yuan Silk Reeling Co., Ltd.
Address: Jiangsu Nantong ZIP: 226600

Nanjing Jiangning Qu Shun Da Industrial Company (Headquarter)
Address: Jiangsu Nanjing ZIP: 211100

Nanjing Zhe Tang Ramie Weaving Chang (Headquarter)
Address: Jiangsu Nanjing ZIP: 211215

Wuxi Silk Knitted Dress Zong Chang (Headquarter)
Address: Jiangsu Wuxi ZIP: 214073

Wuxi Di Er Silk Weaving Chang (Headquarter)
Address: Jiangsu Wuxi ZIP: 214021

Wuxi Kang Tai Industrial Company
Address: Jiangsu Wuxi ZIP: 214031

Wuxi Chou Xing Group Co., Ltd.
Address: Jiangsu Wuxi ZIP: 214023

Wuxi Tian Yuan Industrial Co., Ltd. (Headquarter)
Address: Jiangsu Wuxi ZIP: 214031

Wuxi Yu Li Goods & Materials Co., Ltd. (Headquarter)
Address: Jiangsu Wuxi ZIP: 214021

Wuxi Taiping Yang Group (co., Ltd.) (Headquarter)
Address: Jiangsu Wuxi ZIP: 214031

Xuzhou Di Er Textile Chang
Address: Jiangsu Xuzhou ZIP: 221011

Jiangsu Peng Cheng Group (co., Ltd.) (Headquarter)

generated (44).xls [Compatibility Mode] - Excel

1	Name	B	C	D	E	F	G	H	I	J	K	L	M	N
2	Changzhou Wujin Chang Jia Chemical Industry Co., Ltd. Branch	contact	address	area_code	telephone	type	ownership	starting year	revenue	employee	zip	province	city	county
3	Gang Long Textile Nantong Co., Ltd. Jiu Long Branch	陆建平	Jiangsu N	0513	3911986	Production Private	2002	0-30	1-19	213161	Jiangsu	Changzhou	Wujin	Qidong
4	Jiangsu Bai Hua Industrial Group Co., Ltd.	王浦洋	Jiangsu N	0513	2267325	Printing & Share Holc	1994	30000-500	500-999	226100	Jiangsu	Nantong	Haimen	Haier
5	Jiangsu Hai'an Pongee Group Co., Ltd. (Headquarter)	储呈平	Jiangsu N	0513	8813706	Mulberry S Share Holc	1994	30000-500	100-499	226600	Jiangsu	Nantong	Haian	
6	Suzhou Industrial Zone Xin Jiang Yam-dyed Fabric Co., Ltd. (Headquarter)	尹根兴	Jiangsu S	0512	67254398	Processing Private Lin	1998	3000-5000	100-499	215001	Jiangsu	Suzhou	Pingjiang	
7	Nanjing Hai Er Man Si Group (co., Ltd.) (Headquarter)	林宝忠	Jiangsu N	025	52102877	Woollen S Private Lin	1993	10000-300	500-999	211100	Jiangsu	Nanjing	Jiangni	
8	Hai'an Xin Yuan Silk Reeling Co., Ltd.	储呈平	Jiangsu N	0513	8832411	Bai Chang Other Limi	1969	5000-1000	500-999	226600	Jiangsu	Nantong	Haian	
9	Nanjing Jiangning Qu Shun Da Industrial Company (Headquarter)	迟树发	Jiangsu N	025	52181063	Pongee Pr Collective	1993	50-100	20-49	211100	Jiangsu	Nanjing	Jiangni	
10	Nanjing Zhe Tang Ramie Weaving Chang (Headquarter)	周久成	Jiangsu N	025	57240077	Mian Blen Private Pa	1986	5000-1000	500-999	211215	Jiangsu	Nanjing	Lishui	
11	Wuxi Silk Knitted Dress Zong Chang (Headquarter)	李森	Jiangsu W	0510	5407483	Zhen Knitti State-Own	1994	0-30	1-19	214073	Jiangsu	Wuxi	Jiaqou	
12	Wuxi Di Er Silk Weaving Chang (Headquarter)	华祖兴	0510	5752747	Silk Fabric State-Own	1896	300-500	100-499	214021	Jiangsu	Wuxi	Jiaqou		
13	Wuxi Kang Tai Industrial Company	龚典	Jiangsu W	0510	2855981	Textile Me Collective	1993	0-30	1-19	214031	Jiangsu	Wuxi	Nancha	
14	Wuxi Chou Xing Group Co., Ltd.	张伟达	Nanchang	0510	5754181	Knitting & State-own	1996	5000-1000	100-499	214023	Jiangsu	Wuxi	Nancha	
15	Wuxi Tian Yuan Industrial Co., Ltd. (Headquarter)	徐云元	Wuxi Honc	0510	2855246	Linen Blen State-Own	1949	30000-500	1000-4999	214031	Jiangsu	Wuxi	Nancha	
16	Wuxi Yu Li Goods & Materials Co., Ltd. (Headquarter)	吴士清	Jiangsu W	0510	5034128	Clothes Pr Private Lin	1997	50-100	1-19	214021	Jiangsu	Wuxi	Jiaqou	
17	Wuxi Taiping Yang Group (co., Ltd.) (Headquarter)	孙亚雄	Jiangsu W	0510	2854741	Coloured V State-own	1997	30000-500	1000-4999	214031	Jiangsu	Wuxi	Nancha	

Selection by Metropolitan, County or Place

China Geo-Explorer | China Data Center - the U | chineageexplorer.org/cge/cityclient126/#app=8b86&65df-selectedIndex=0&f03e-selectedIndex=0&1a6e-selectedIndex=0

Administrative Unit | X&Y Location | Chart | Time Series | Structure Analysis | Establishment | Theme Map | GIS Map Export | China-US Comparison

Welcome, UM Asia Library! | 中文 | English | Log out

Base Year: 2000 2010 2000-2010

Group: Single group Multi-groups

Level: Province City County Town Any area

Region: Index Report | Upload your data | Back to the Upper Level

China (Province)

- Anhui
- Beijing
- Chongqing
- Fujian
- Gansu
- Guangdong
- Guangxi
- Guizhou
- Hainan
- Hebei
- Heilongjiang
- Henan

Add Add All Remove clear

Selection

- Anhui-Hefei-Changfeng
- Anhui-Hefei-Dongshi
- Anhui-Hefei-Feidong
- Anhui-Hefei-Feixi
- Anhui-Hefei-Jiaoqu
- Anhui-Liuan-Jinan
- Anhui-Liuan-Shouxian
- Anhui-Liuan-Shucheng
- Anhui-Hefei-Xishi
- Anhui-Hefei-Zhongshi

Selection count: 10

Operations | Level: County

District data loading...

Theme Layer List

Basic Layer List

Boundary Layer List

temp_report (9).xls [Compatibility Mode] - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW POWERPIVOT

SansSerif 10

Clipboard Font Alignment Number Styles Cells Editing

Rank	Name	Total Households	Family Households	Collective Households	Total Population	Average Size: Family HHS	Sex Ratio - Collective HHS	Illiterate Population	Male Population - ReMarried	Female Population - ReMarried
10										
12	1 Shouxian	302,723	301,575	1,148	1,109,351	3	234	78,066	311	687
16	2 Feidong	270,171	268,323	1,848	1,001,306	3	190	84,928	375	623
20	3 Shucheng	256,857	255,408	1,449	905,817	3	207	115,036	332	726
24	4 Jiaoqu	247,088	227,714	19,374	770,390	2	178	52,834	510	530
28	5 Feixi	242,486	239,631	2,855	901,593	3	205	83,796	382	792
32	6 Changfeng	231,458	230,237	1,221	892,487	3	241	93,123	296	506
36	7 Jinan	212,664	209,501	3,163	742,275	3	151	77,954	305	593
40	8 Xishi	120,055	104,461	15,594	385,139	2	191	9,027	319	251
44	9 Dongshi	87,211	84,248	2,963	248,073	2	183	10,673	247	179
48	10 Zhongshi	82,514	79,461	3,053	242,415	2	196	9,265	253	165

report name

READY

10:56 AM 11/4/2010

Selection by X&Y Location and Spatial Ranges

China Geo-Explorer | chineoexplorer.org/cge/cityclient126/#app=8b86&65df-selectedIndex=0&f03e-selectedIndex=0&1a6e-selectedIndex=0

Administrative Unit | X&Y Location | Chart | Time Series | Structure Analysis | Establishment | Theme Map | GIS Map Export | China-US Comparison

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Base Year: 2000 | 2010 | 2000-2010

Operations | Level: Province

Spatial Ranges
Spatial Range: 1,3,5 (miles) | 1 Lat:31.865 Lon:117.195

X & Y Coordinates
Label: coor1 | Lat: 28.68 | Lon: 115.89

Theme Layer List | Basic Layer List | Boundary Layer List

temp_report (8).xls [Compatibility Mode] - Excel

	1(1mile)		1(3mile)		1(5mile)	
	Count	Percent	Count	Percent	Count	Percent
Total Households	9,437	100.0 %	67,008	100.0 %	200,848	100.0 %
Family Households	8,386	88.9 %	61,491	91.8 %	180,144	89.7 %
Collective Households	1,051	11.1 %	5,517	8.2 %	20,704	10.3 %
Total Population	30,964	100.0 %	208,599	100.0 %	634,577	100.0 %
Agricultural Population	12,876	41.6 %	62,908	30.2 %	159,225	25.1 %
Non-Agricultural Population	18,087	58.4 %	145,691	69.8 %	475,352	74.9 %
Population in Family Households	25,193	80.7 %	177,126	84.2 %	515,550	80.6 %
Population in Collective Households	6,015	19.3 %	33,120	15.8 %	123,835	19.4 %
Average Size: Family Households	3		3		3	
Sex Ratio: Family Households	104		105		105	
Sex Ratio: Collective Households	133		118		181	
Literacy						

report name

READY | 100%

10:50 AM 11/4/2015

Selection by Business Establishments

China Geo-Explorer | M Inbox (7,641) - sbao@um | China Data Center - the U |

chinageoexplorer.org/cge/cityclient126/#app=8b86&65df-selectedIndex=0&f03e-selectedIndex=0&1a6e-selectedIndex=2

Administrative Unit | X&Y Location | Chart | Time Series | Structure Analysis | Establishment | Theme Map | GIS Map Export | China-US Comparison

Welcome, UM Asia Library! 中文 English Log out

Selection | Report | Table Export | Plot of starting year

Back To Search | Manufacture of ...

Number of Establishments: over 250
Keywords: Jiangsu

1 - 50 << < [1] [2] [3] [4] > >>

Nanjing Chemical Fibre Co., Ltd. (Headquarter)
Address: Jiangsu Nanjing ZIP: 210038

Nanjing Tian Hou Chemical Fibre Zong Chang (Headquarter)
Address: Jiangsu Nanjing ZIP: 210039

Tongzhou Shi Jiang Fibre Products Chang
Address: Jiangsu Nantong ZIP: 226351

Shayang Seed Multiplication Farm Multiple-producing Factory
Address: Jiangsu Yangcheng ZIP: 224361

Jiangsu San Fang Xang Group (co., Ltd.) (Headquarter)
Address: Jiangsu Suzhou

The Number of establishments: Manufacture of Chemical Fibers. For the first 250 establishments from advanced search

New establishments Cumulative establishments Start year 1951 End year 2004 PDF EXCEL

Number of Establishments

year

Establishments from advanced search

End year 2004 PDF EXCEL

Number of Establishments

year

Jiangsu Suzhou
Address: Jiangsu Suzhou

Rudong Chang Xin Fiber Co., Ltd.
Address: Jiangsu Nantong

Nantong Yao Hua Fiber Co., Ltd.
Address: Jiangsu Nantong

Rudong Sinda Yu Fiber Co., Ltd.
Address: Jiangsu Nantong

Rudong Hai Yu Fibre Products Co., Ltd.
Address: Jiangsu Nantong

Jia Yi (Jianyunnano) Viscose Co., Ltd.
Address: Jiangsu Nantong

1 - 50 << < [1] [2] [3] [4] > >>

temp_report (10).xls [Compatibility Mode] - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW POWERPivot Simon Bao

Clipboard Font Alignment Number Styles

A1 : X ✓ fx

Total Businesses by Employment

	Count	%	Count	%
Total Businesses	48,436	1		
Number of Employees				
1 - 19	35,219	72.7 %	1,000 - 4,999	227 0.5 %
20 - 49	6,901	14.2 %	5,000 - 29,999	18 0.0 %
50 - 99	2,797	5.8 %	30,000 - 49,999	5 0.0 %
100 - 499	2,818	5.8 %	50,000 or more	142 0.3 %
500 - 999	311	0.6 %		

Total Businesses by Revenue (1,000 Yuan)

	Count	%	Count	%
0 - 300	20,181	41.7 %	50,000 - 100,000	767 1.6 %
300 - 500	2,676	5.5 %	100,000 - 300,000	578 1.2 %
500 - 1,000	4,229	8.7 %	300,000 - 500,000	121 0.2 %
1,000 - 3,000	8,326	17.2 %	500,000 - 1,000,000	83 0.2 %
3,000 - 5,000	4,578	9.5 %	1,000,000 - 1,500,000	25 0.1 %
5,000 - 10,000	3,079	6.4 %	1,500,000 - 2,000,000	18 0.0 %
10,000 - 30,000	2,952	6.1 %	2,000,000 and over	29 0.1 %
30,000 - 50,000	794	1.6 %		

Total Businesses by Ownership Status

	Count	%
State-Owned	7,687	15.9 %
Collective-Owned	3,561	7.4 %
Share Holding	1,285	2.7 %
State-Owned Joint	25	0.1 %

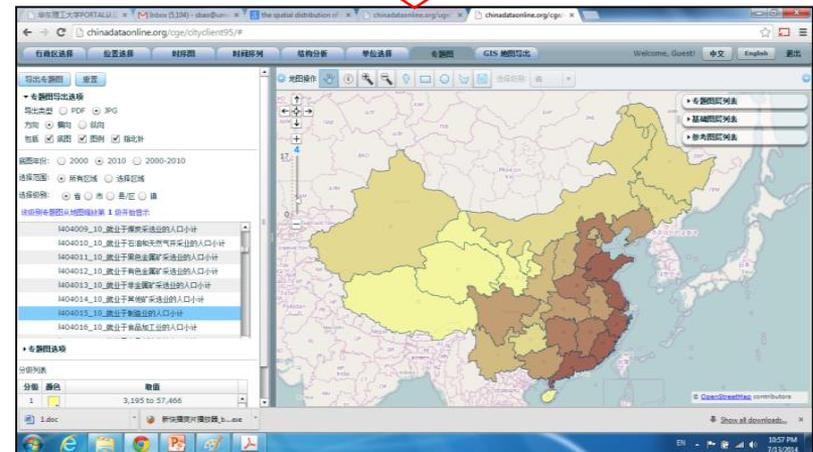
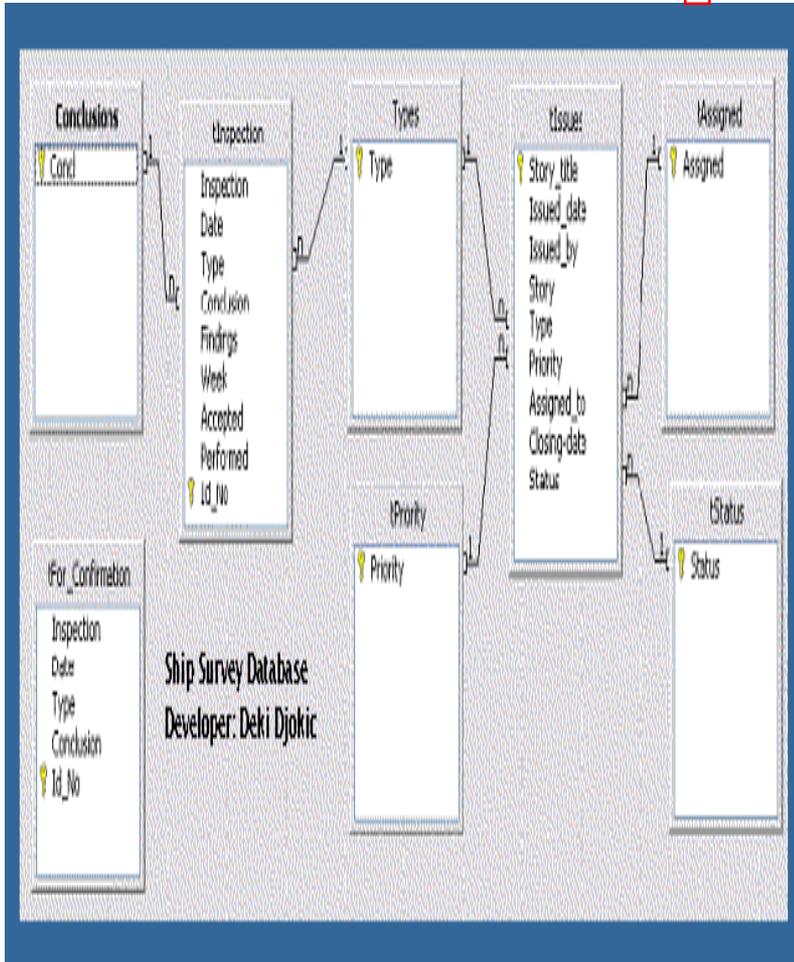
report name

READY

11:08 AM 11/4/2015

2. Integrating Survey Data with Local Amenity Data in US Geo-Explorer

Survey Data



Upload Survey Data to US Geo-Explorer

Upload Data

Add Your Data

Download Template Table

First column is the codes

Columns with non-numeric contents are removed

Column headings correspond to index names

	A	B	C	D
1	code	name	Total Number of Households	Total Population
2	33	Zhejiang	14789669	45930651
3	23	Heilongjiang	11070922	36237576
4	65	Xinjiang	4916647	18459511
5	12	Tianjin	3079377	9848731
6	53	Yunnan	11120685	42360089
7	54	Xizang	544909	2616329
8	31	Shanghai	5642588	16407734
9	37	Shandong	27320402	89971789
10	51	Sichuan	24092307	82348296

Table Name: Survey

Select and Upload Template download Download code book (All regions)

*You can include up to 30 variables and 1000 rows in a table. The uploaded data will be available during this visit.

Microsoft Excel spreadsheet showing the same data table with columns A, B, C, and D highlighted.

3. Mapping Survey Data in UGE

The screenshot displays the China Geo Explorer (UGE) web application interface. The main map shows China with survey data overlaid, color-coded according to a classification list. The interface includes a sidebar on the left with 'Your Data' and 'Theme Map Options', a main map area with navigation tools, and a right-hand panel with layer lists. A red circle highlights 'Survey V1' in the 'Your Data' list, with the text 'User's Data' written in red next to it.

Your Data

- Survey
- Survey V1
- Census 2000
- Economic Census 2008
- Economic Census 2004
- Basic Unit Census 2001
- Industry Census 1995
- Land Use

Theme Map Options

Classification list

No.	Color	Classification Value
1	Light Yellow	0 to 5
2	Yellow	6 to 10
3	Light Orange	11 to 16
4	Orange	17 to 21
5	Dark Orange	22 to 26
6	Dark Red	27 to 31

Theme Layer List

- V1
- 0 to 5
- 6 to 10
- 11 to 16
- 17 to 21
- 22 to 26
- 27 to 31

Basic Layer List

- OpenStreetMap
- TianDiTu
- No BaseMap

Boundary Layer List

- Province Layer
- Prefecture Layer
- County Layer
- Township Layer

Future Directions

- **Spatial Explorer for Survey Data Analysis**
- Pre-survey sampling
- Pre-survey analysis
- Integration of survey and big data with baseline data
- Post-survey projection
- Post-survey analysis
- Prediction and simulation

<http://china-data-online.com>

Contact

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