

Historical Research in a Digital Environment

數位時代下的歷史研究

Peter Bol - Harvard University

哈佛大學-包弼德

Digital Humanities

Tool Building 工具開發

versus

Content Creation 內容蒐集

**Building systems that support
content development**
開發能夠支持內容蒐集的系統

And then

**Using those content systems and
analytic tools in historical research**
在歷史研究中使用這類系統與分析工具

Building systems that support collection development

開發能夠支持內容蒐集的系統

- China Historical Geographic Information System (CHGIS)
- WorldMap (Harvard Center for Geographic Analysis)
- China Biographical Database (CBDB)

CHGIS

http://yugong.fudan.edu.cn/lchg/Chgis_index.asp

中午好, 欢迎您光临禹贡网……

EN English (United States)



收藏

English



教育部人文社科重点研究基地

禹贡论坛

历史地理专业论坛

CHGIS

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科学研究

禹贡文章

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数据库

禹贡论坛

2011年11月25日 星期五

当前位置: 禹贡 → CHGIS系统 → 系统概要

::: 系统概要 :::

CHGIS系统

系统概要

版权声明

数据说明

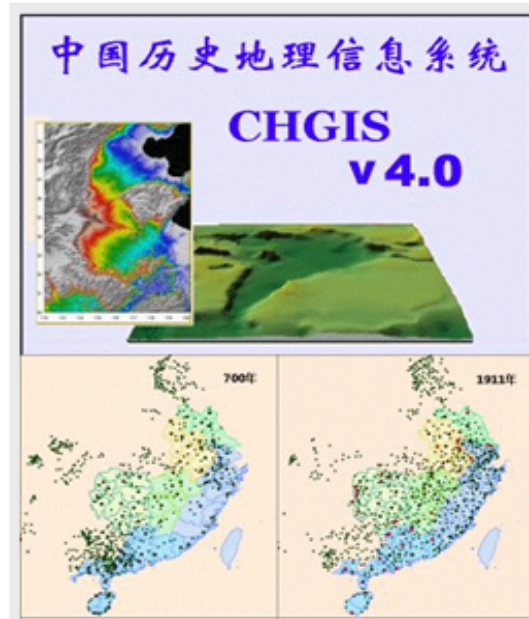
编辑机构

地名查询

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BUG反馈



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• 执行主编: 满志敏、贝明远

• 编辑委员会: 包弼德、Lawrence Crissman、葛剑雄、唐晓峰、施坚雅

• Henry Luce 基金会资助

• 中国编纂处

中国历史地理信息系统
复旦大学历史地理研究中心
邯郸路220号

中国, 上海, 200433

电话: 86-21-6564-2714

电子邮箱: ichg@fudan.edu.cn

禹贡网站: <http://yugong.fudan.edu.cn>



中文版

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China Historical GIS



Gazetteer Search Engine

List of Free Datasets

XML Web Service

Skinner Map Collection

with funding from the Henry Luce Foundation, the National Endowment for the Humanities

and support from

<http://www.fas.harvard.edu/~chgis>

Fairbank Center for Chinese Studies
Harvard Asia Center
Harvard Yenching Library
Harvard Yenching Institute

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CHGIS
Center for Geographic Analysis
1737 Cambridge St, K021
Cambridge, MA 02138
tel: 617-495-2451
new office location

China GIS



Japan GIS



Dynamic Maps



Map Scans



Featured EdSite



Sichuan Earthquake





To get your own ClustrMap, register here

⏏ distance in which individuals are clustered

Dot sizes: ● = 1,000+ ● = 100 - 999 ● = 10 - 99 ● = 1 - 9 visits

● = Recent [?]

11 May 2010 to 19 Nov 2011: 14,618 visits shown above

Statistics updated 25 Nov 2011@07:38GMT: 14,808 visits [?]

Total since 8 May 2007: 52,222. Previous 24hrs: 22.

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Get More Info!

AmericanSentinel.edu/GIS

[GPS Fleet Tracking](#)

Track Your Fleet and Lower Idling. Reduce Fleet Fuel Consumption.

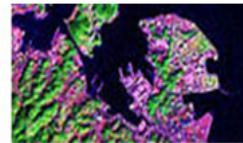
NexTraq.com/GPS-Tracking

[MS in GIS Management](#)

Earn your online degree in GIS Management at Salisbury University

www.salisbury.edu

WorldMap - <http://gis.harvard.edu>



EN English (United States) ?

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The Center for Geographic Analysis



The Center for Geographic Analysis (CGA) at Harvard University was established in 2006 to support research and teaching of all disciplines across the University with emerging geospatial technologies. The Center's goal has been to work with entities across the university to strengthen university-wide geographic information systems (GIS) infrastructure and services; provide a common platform for the integration of spatial data from diverse sources and knowledge from multiple disciplines; enable scholarly research that would use, improve or study geospatial analysis techniques; and improve the ability to teach GIS and spatial analysis at all levels across the university.

Newsletter:

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Email:

[contact\[at\]help.cga.harvard.edu](mailto:contact[at]help.cga.harvard.edu)

Address:

CGIS K-00A,
[1737 Cambridge St, Cambridge](#)

CGA Announcements



Undergraduate GIS Camp during Optional Winter Activities Week

In January the CGA offers a four-day non-credit workshop during Optional Winter Activities Week (OWAW), titled "**Spatial Thinking and Analysis with GIS**". It meets daily from 9:30 am to 6:00 pm. This workshop is designed for **Harvard undergraduate students**, though graduate students may also apply. It is for students from any concentration, as spatial thinking and analysis could be critical to the sciences, social sciences and humanities alike. [No previous GIS training required](#). See the [GIS Camp page](#) for details and application. Deadline 11/29.

Search the CGA Web Site



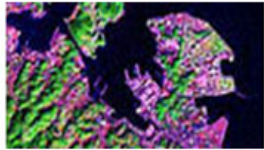
[Search Tips](#)

Events & Calls



Call for Applications: January GIS Camp @ CGA - deadline 11/29

In January the CGA offers a four-day non-credit workshop [during Optional Winter Activities Week \(OWAW\)](#), titled "**Spatial Thinking and Analysis with GIS**". It meets daily from 9:30 am to 6:00 pm. This workshop is designed for **Harvard undergraduate students**, though graduate students may also apply.



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WorldMap Platform



WorldMap is an open source web mapping platform developed by the CGA. It is a technology designed to support scholars as well as the general public which fills a niche between heavyweight desktop mapping tools like ArcGIS and lightweight web tools such as Google Maps and Earth.

WorldMap main page: <http://worldmap.harvard.edu>

WorldMap allows users to create their own mapping applications containing their own (sometimes very large) data layers, symbolize layers, remix their maps with layers others make available, and publish maps in a variety of dynamic ways. Since the release of WorldMap in July of 2011, hundreds of users have started creating their own mapping applications. Since the first application AfricaMap, hundreds of new applications have been built containing more than a thousand data layers.

[Learn how to create a mapping application in WorldMap.](#)

Examples of applications people have created:

- JapanMap - <http://worldmap.harvard.edu/maps/japanmap>
- Business Clusters - <http://worldmap.harvard.edu/maps/ClusterMapDemo>
- ChinaMap - <http://worldmap.harvard.edu/china>
- GizaMap - <http://worldmap.harvard.edu/maps/giza>
- Boston - <http://worldmap.harvard.edu/boston/>

Africa - <http://africamap.harvard.edu/>

Custom Tools for ArcGIS



Below is a listing of ArcToolBoxes and other scripts developed by the CGA team. Please feel free to contact us if you need help using them contact@help.cga.harvard.edu

- **HGL Desktop Tool:**

This tool is a free extension developed by CGA that allows Harvard ArcMap users to search the extensive holdings of the Harvard Geospatial Library and access the data directly from within the ArcGIS software package. [Login with your HUID](#) to view the download instructions for the HGL Desktop Tool for ArcGIS on our Harvard Shareware page.

- **7 Grid ArcToolBox:**

This tool adds four new columns to a grid polygon feature class in a geodatabase, and automatically identifies the four neighboring polygons, extracting a user selected text field to populate the four new columns with the neighboring tile's name. [Download it](#) (5 KB zip)

- **Great Circle Distance Batch Calculator:**

This tool for ArcGIS version 10 allows for the input of an unlimited number of origin/destination latitude, longitude pairs in CSV format, and calculates the distance between the origin and destination for each pair using the [great circle distance formula](#) (the shortest distance between 2 points on earth). Created by CGA intern Brian Bettenhausen. [Download it](#) (120KB zip). updated 10/29/10

- **Point Locate Tool:**

This tool is aimed to create a point feature class or shapefile, using a point

Create a Map

View a Map

About



Philadelphia Map



Build your own mapping portal and publish it to the

Currently – 371 maps available

Search for maps

Search

Title	Profile	Last Modified
JapanMap	Lex	July 14, 2011
Faculty Research Grant Projects	wguan	July 1, 2011
AfricaMap	Suzanne blier	June 24, 2011
ChinaMap	Lex	June 16, 2011
ChicagoMap	Matt Bertrand	May 3, 2011
Boston Research Map	Ben Lewis	April 10, 2011
Safe Surgery 2015 South Carolina	jblossom	March 11, 2011
Suwa	robertsoncrusoe	November 25, 2011
Basutoland Boundary Maps	dmmriep	November 23, 2011
Trankil border	Fatima	November 23, 2011
Codman Square: Neighborhood Cha...	jsimes	November 22, 2011
Montreal 1967	cfish	November 21, 2011
dfdf	mattb3rt	November 21, 2011
agric	Peter	November 21, 2011
Test	bwyss	November 21, 2011
TorontoMap	Catherine Hale	November 19, 2011
Test kenya	tonuipk	November 19, 2011
RepublicanBeijing	Lex	November 18, 2011
Elmwood Park	cgordon	November 18, 2011

Data

Ming Qing Postal Routes - Minor

Ming-Qing POstal Routes Main lines

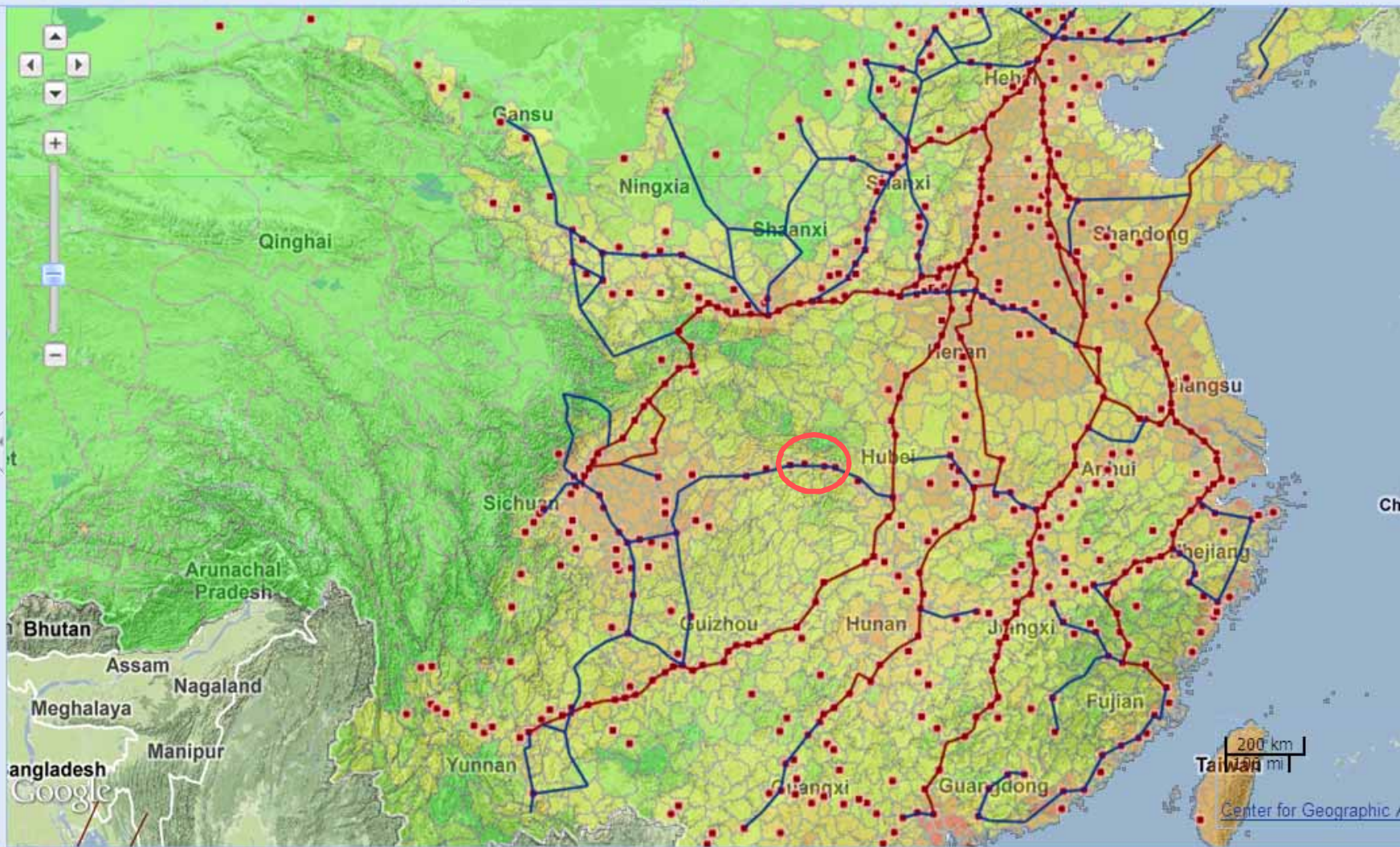
China 1820 "Busy" Xian

冲縣

Population Density (2000) km2

- 0 - 50
- 51 - 100
- 101 - 250
- 251 - 500
- 501 - 1000
- 1001 - 5000
- 5001 -

Enter search...





[Add Layers](#) | [Save](#) | [Identify](#) | [Link](#) | [Print](#) | [About](#) | [Google Earth](#) | [Street View](#) |

[Data](#) | [Legend](#)

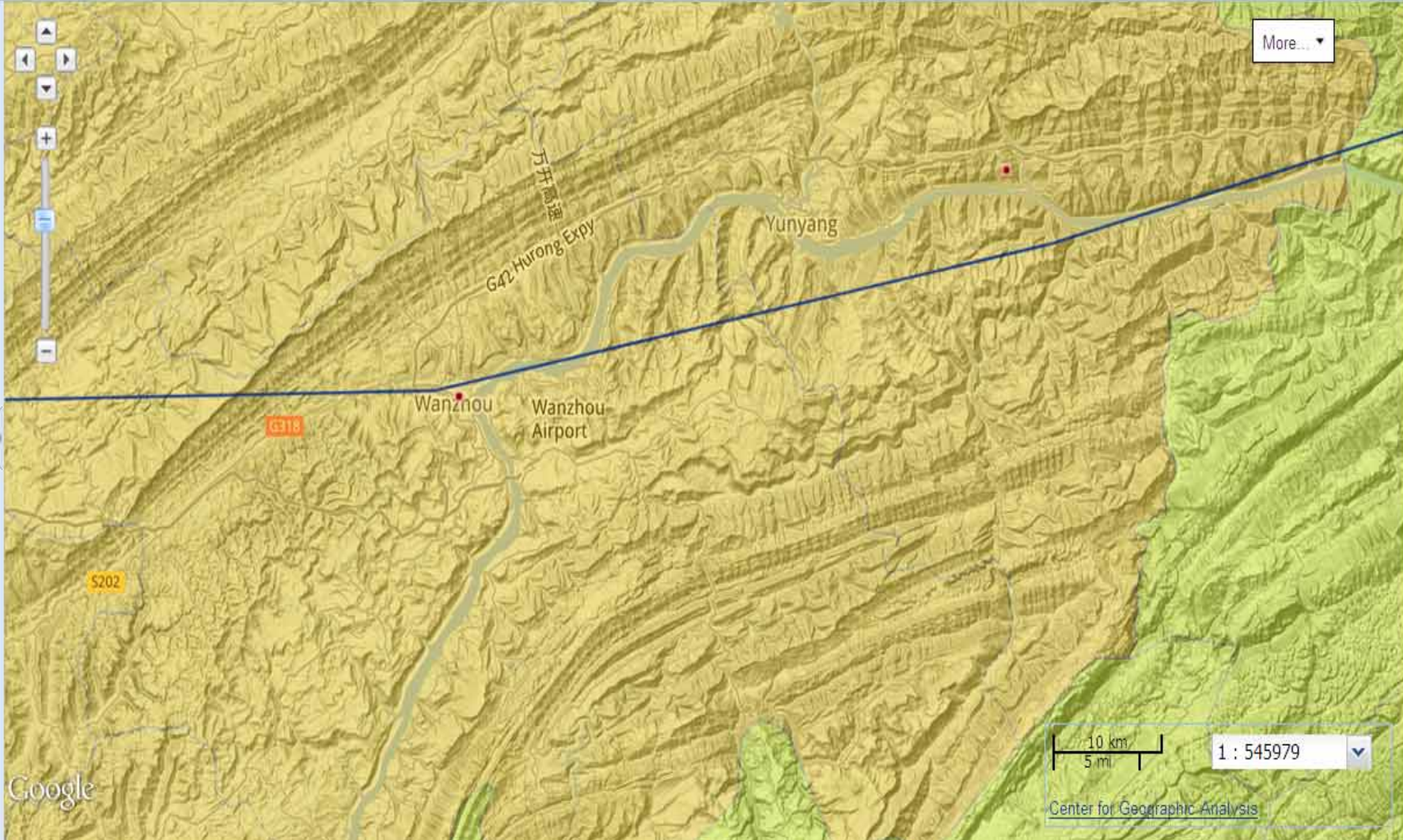
Ming Qing Postal Routes - Minor

Ming-Qing Postal Routes Main lines

China 1820 "Busy" Xian

Population Density (2000) km2

- 0 - 50
- 51 - 100
- 101 - 250
- 251 - 500
- 501 - 1000
- 1001 - 5000
- 5001 -



Enter search...

Google

10 km / 5 mi | 1 : 545979

Center for Geographic Analysis

Data | **Legend**

Qing Entry Exams (Persons)

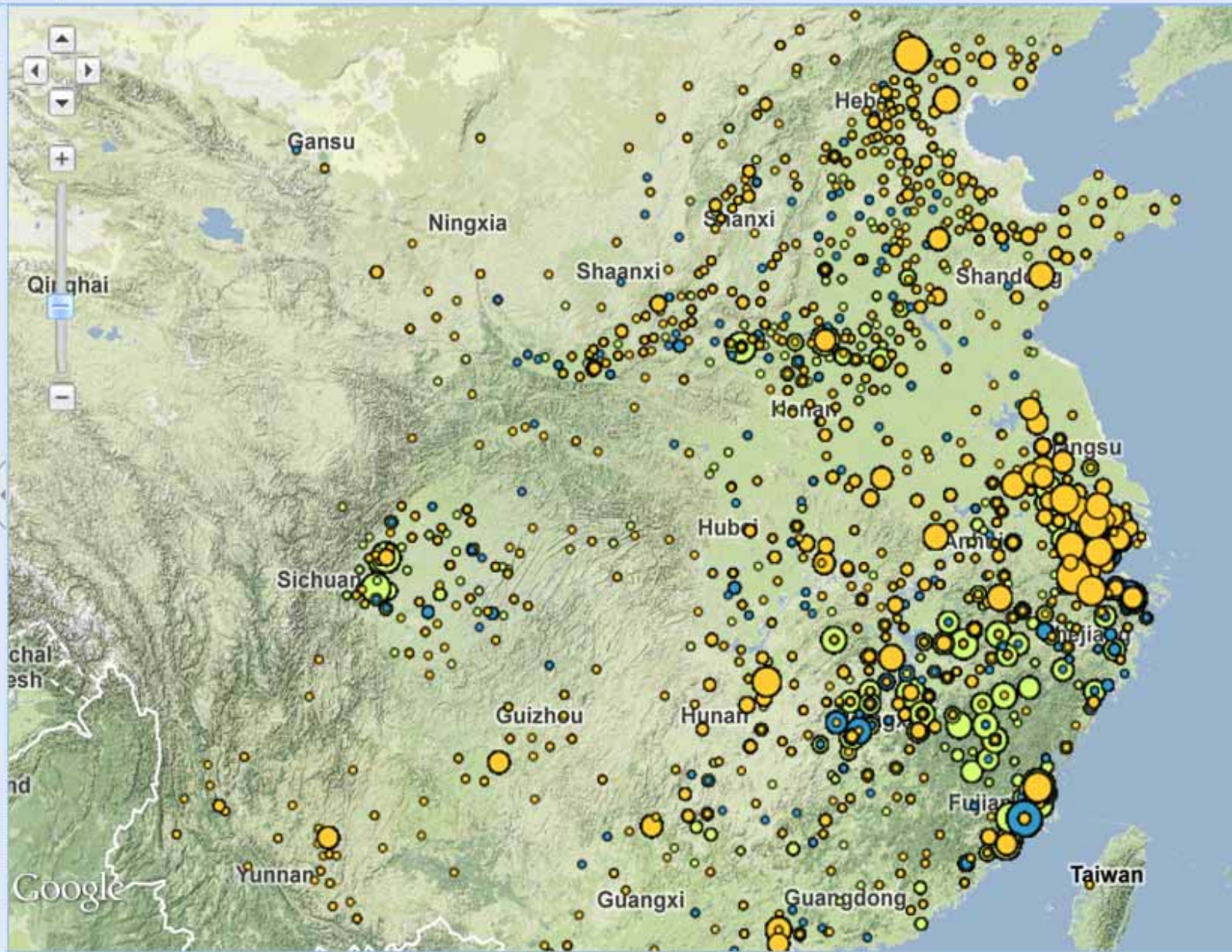
- 1 - 5
- 6 - 10
- 11 - 15
- 16 - 30
- 31 - 45
- 46 - 90
- 91 - 215

Ming Entry Exams (Persons)

- 1 - 5
- 6 - 10
- 11 - 15
- 16 - 30
- 31 - 45
- 46 - 90
- 91 - 215

N. Song Entry Exams (Persons)

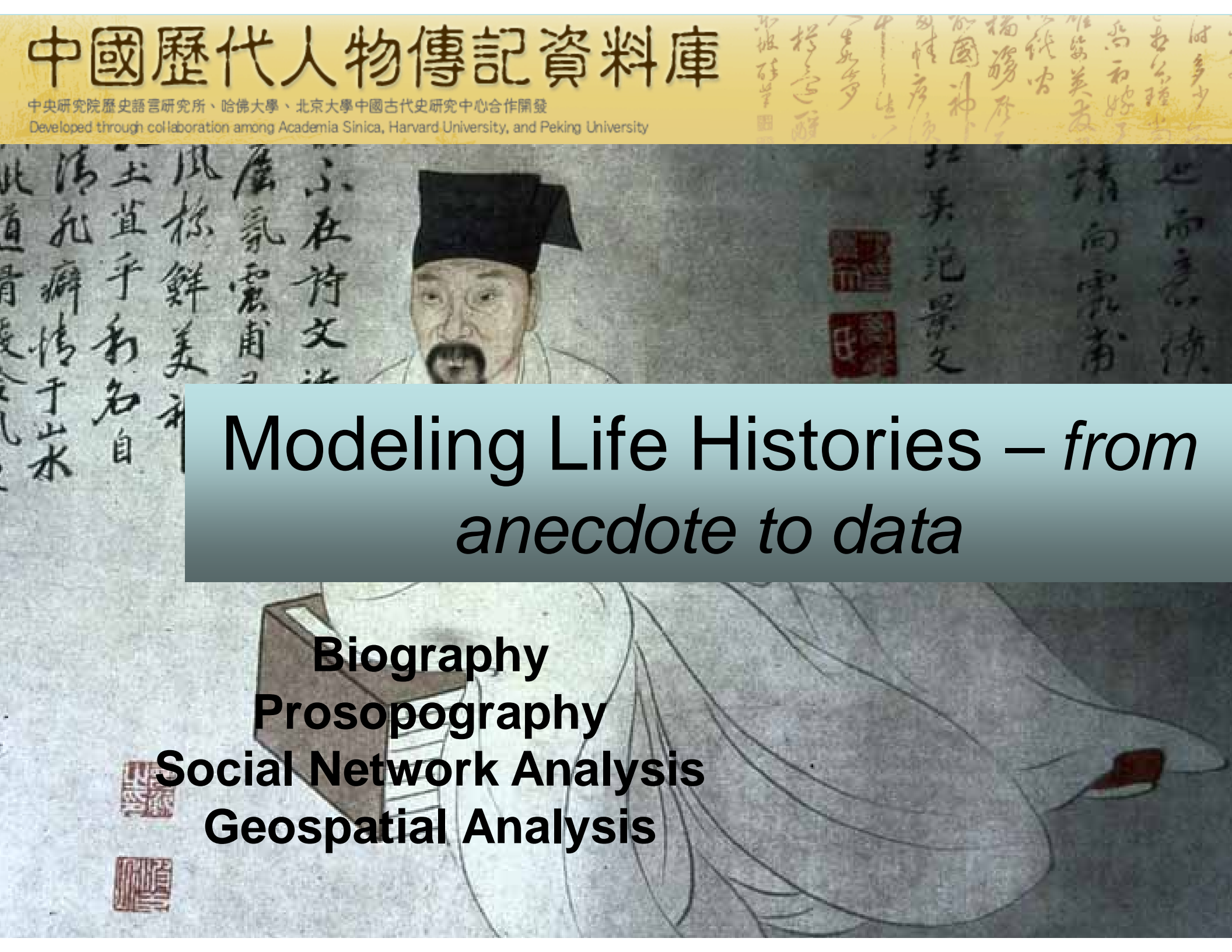
- 1 - 5
- 6 - 10
- 11 - 15
- 16 - 30



中國歷代人物傳記資料庫

中央研究院歷史語言研究所、哈佛大學、北京大學中國古代史研究中心合作開發

Developed through collaboration among Academia Sinica, Harvard University, and Peking University



Modeling Life Histories – *from anecdote to data*

Biography
Prosopography
Social Network Analysis
Geospatial Analysis

CBDB

Available in 3 versions:

Online query system in English and Chinese 查詢系統
(中英; 兩種)

Online inputting system in Chinese 錄入系統

Stand-alone MS Access database for download to a
desktop 可以下載的Microsoft Access 資料庫

See the CBDB User Guides! 請看庫用戶指南

For the Stand-alone Database

[CBDB User's Guide, 2nd edition.](#)

[中國歷代人物傳記資料庫用戶指南](#)

For the Online Database also see the online Help files

中國歷代人物傳記資料庫 (CBDB) 項目

- 首頁
- CBDB的歷史
- 合作機構暨編輯委員會
- CBDB的涵蓋範圍
- 方法論
- 將CBDB數據顯示於地圖上並加以分析
- CBDB的數據庫結構
- 當前工作
- 未來展望
- 將CBDB數據下載到本機
- 會議與論文
- 討論園區
- 常見問題
- 中國史傳記資料數據庫第一屆國際研討會
- English Homepage

首頁

歡迎蒞臨中國歷代人物傳記資料庫！

中國歷代人物傳記資料庫係在線的關聯性數據庫。截至2007年4月本數據庫共收錄約35000人的傳記資料，這些人物主要出自七世紀至十四世紀。本庫數據除可作為人物傳記的一種參考資料外，亦可供統計分析與空間分析之用。

中國歷代人物傳記資料庫項目的遠程目標在於系統性地收入中國歷史上所有重要的傳記資料，並將其內容毫無限制地、免費地公諸學術之用。本項目現正致力於增錄更多的宋代人物傳記資料。

中國歷代人物傳記資料庫肇始於郝若貝教授 (Robert M. Hartwell) (1932 - 1996) 之工作。郝若貝教授將包括本數據庫初版在內的財產歸贈於哈佛燕京學社。

目前本數據庫的開發工作係由 [哈佛-燕京學社](#)、[中央研究院歷史語言研究所](#) 暨 [北京大學中國古代史研究中心](#) 三方合作進行。

中國歷代人物傳記資料庫管理委員會負責對本數據庫的管理：

- 包弼德 (Peter K. Bol) : 哈佛大學 (管理委員會主席)
- 鄧小南 : 北京大學中國古代史研究中心
- 傅君蕭 (Michael A. Fuller) : 加利福尼亞大學爾灣分校
- 韓明士 (Robert P. Hymes) : 哥倫比亞大學
- 柳立言 : 中央研究院歷史語言研究所
- 劉錚雲 : 中央研究院歷史語言研究所
- 張希清 : 北京大學中國古代史研究中心

本庫數據輸入系統現已提供在線輸入功能，惟出於安全考慮暫不開放給公眾使用 (詳細情況請參閱本網站的相關文件)。我們預期本庫的數據報表系統將在2008年秋季上線提供公眾使用。

中國歷代人物傳記資料庫 (CBDB)

中央研究院史語所/北大中國古代史研究中心/哈佛費正清研究中心合作開發

<http://isites.harvard.edu/icb/icb.do?keyword=k35201>

Google 檢索：CBDB, Harvard 或 Peking

人物傳記資料庫

、北京大學中國古代史研究中心合作開發
Academia Sinica, Harvard University, and Peking University

人名查詢 地名查詢 官名查詢 關鍵詞查詢 進階查詢 親屬／人際關係查詢 檢索結果輸出 社會關係分析 操作說明 名詞說明

人名查詢

沒有查詢結果,或尚未開始查詢

傳主資料

姓名/別名/外文名

年代(指數年) 至

朝代

地名

選



左側操作說明

- 姓／別名** 請按 查詢傳主姓名別名等, 可勾選帶入.
- 指數年** 請輸入起迄年
- 生年** 請輸入起迄年
- 卒年** 請輸入起迄年
- 郡望** 請按 查詢郡望, 可勾選帶入.
- 地址** 請按 經由地名樹形索引, 可直接點選帶入.
- 官名** 請按 查詢官名, 可勾選帶入.
- 為官年代** 請輸入起迄年
- 除綬類別** 請按 查詢除綬類別, 可勾選帶入.
- 官名地址** 請按 經由地名樹形索引, 可直接點選帶入.



中國歷代人物傳記資料庫

中央研究院歷史語言研究所、哈佛大學、北京大學中國古代史研究中心合作開發
Developed through collaboration among Academia Sinica, Harvard University, and Peking University

管理者: PBOL

· 最近新增人名:

· 書名新增:

· 人名新增:

· 人名查詢:

(0筆)

查詢說明

- 於空格處輸入人名，點選 可列出包含所鍵入字的人名來：
例如：輸入「文」一字，系統列出的是姓名中包含「文」一字的人名

于仲文 (Yu Zhongwen)
干文傳 (Gan Wenzhuan)
文天祥 (Wen Tianxiang)

- 於空格處輸入人名，點選 可列出以鍵入字帶頭的人名來：
例如：輸入「文」一字，系統列出的是「文」字帶頭的人名

文士慶 (Wen Shiqing)
文元發 (Wen Yuanfa)
文天祥 (Wen Tianxiang)

- 也可以輸入人名的拼音進行查詢：
例如：輸入「Ouyang」一字

歐陽公瑾 (Ouyang Gongjin)
歐陽文起 (Ouyang Wenqi)
歐陽充 (Ouyang Chong)

CHINA BIOGRAPHICAL DATABASE PROJECT (CBDB)

中國歷代人物傳記資料庫

Enter Biographical Data 輸入傳記資料

Retrieve Data 數據查詢

Look Up Data on an Individual 按人查詢

Query by Methods of Entry into Government 按入仕途徑查詢

Query Office Holding 官職查詢

Query Kinship 查詢親屬關係

Query Associations 查詢社會關係

Query Social Networks 查詢社會關係網絡

Query Pair-wise Associations 查詢兩人之間社會關係

Exit 退出

Desktop Version
Last update: June 28 2011

單機版 2011年6月28日最後更新

Main & Course iSite
http://isites.harvard.edu/icb/icb.do?keyword=k16845&pageid=icb.page80031&pageContentId=icb.pagecontent189795&view=choose_method&login=yes&viewParam_course_instance_id=295710

China Biographical Database Project (CBDB)

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June 2011 News

CBDB New Developments

-- English language interface pages for the online query system are now online
 --CBDB and Academia Sinica IHP have received a three year grant to add biographical data on about 10,000 leading Ming figures
 --CBDB, the Ming Qing Women's Writings Project, Peking University, and others have received a Canadian SSHRC grant that will add rare collections of women's writing to MQWW and support research on social and kinship connections of MQWW writers for inclusion in CBDB.
 --CBDB and the Buddhist Authority Database Project hosted at the Dharma Drum Buddhist College have agreed on a Memorandum of Understanding that will enable CBDB to greatly increase its coverage of Buddhist clergy
 --We are currently preparing output from the mining of the 宋史列傳 and will soon work on biographies in the 舊唐書, 舊五代史, 元史, 明史 and the 宋會要輯稿

Welcome

The China Biographical Database is an online relational database with biographical information about approximately 112,000 individuals as of April 2011, primarily from the seventh through nineteenth centuries. The data is meant to be useful for statistical, social network, and spatial analysis as well as serving as a kind of biographical reference.

The long term goal of CBDB is systematically to include all significant biographical material from China's historical record and to make the contents available free of charge, without restriction, for academic use. That data is regularly being enriched and new biographical entries are being created for Tang, Five Dynasties, Liao, Song, Jin, Yuan, Ming and Qing figures.

CBDB originates with the work of Robert M. Hartwell (1932 - 1996). Professor Hartwell bequeathed his estate, including the first version of this database, to the Harvard-Yenching Institute.

The development of CBDB is now a joint project of [the Fairbank Center for Chinese Studies at Harvard University](#), [the Institute of History and Philology of Academia Sinica](#), and [the Center for Research on Ancient Chinese History at Peking University](#).

The CBDB Steering Committee is responsible for oversight:

- [Peter K. Bol](#), Harvard University (chair)
- Deng Xiaonan, Center for Research on Ancient Chinese History, Peking University
- Michael A. Fuller, University of California at Irvine
- Robert P. Hymes, Columbia University
- Lau Nap-yin, Institute of History and Philology, Academia Sinica
- Liu Cheng-yun, Institute of History and Philology, Academia Sinica
- Luo Xin, Center for Research on Ancient Chinese History, Peking University

Past Members

CBDB NEW RELEASE

CBDB DATABASE July 2011 Release Revised

[CBDB July Release Revised](#)

The revised July 2011 Release 20110705CBDBaa.mdb with over 113,000 men and women contains significant additions to the database. These include: improved address tables, removal of duplicates, addresses for over 10,000 Yuan figures, over 11,000 social associations for Yuan figures, revised address tables, corrections to entry into government data for all periods, removal of duplicate records, and the beginning of a new table devoted to social institutions (academies, monasteries, etc.) and a new application for finding connections between any two figures.

Inputting and Reporting Systems

The CBDB reporting system allows for queries of the entire database using multiple variables. Eventually these pages will be bilingual. Note: the reporting system is still being refined. Changes are made on a regular basis. If something does not work as expected please contact us. The **online query system** has **both English and Chinese interfaces**.

You may enter the **online inputting system** for CBDB by logging in as GUEST (no password required) at the **CBDB inputting site**. Use Internet Explorer for stability. This will allow you to see how data is entered, view the codes, and review information on any person in the database. --you will not be able to save changes or delete data -- use the buttons and links on the page. If you use the enter key or the forward and back buttons on your browser you may be logged off, in which case simply log on again.

Add Your Data to CBDB

See how you can add your data to CBDB

Experiment with adding biographical data to CBDB. You will have to figure it out yourself (until we write the help files in Fall 2010), but you will be able to see how it works. You will be able to enter data and change what you have entered, but not change someone else's entries. To try it out you need a password which you can obtain by emailing a request to [CBDBproject](#)

ClusterMap

4,358 Visitors
13 Aug 2010 - 5 Oct 2011

CBDB's origins

- 郝若貝教授（Robert Hartwell）在1980年代發起的；郝教授1996去世後，將其捐贈給了哈佛-燕京學社。
- 2005中央研究院史語所/北大中國古代史研究中心/哈佛費正清研究中心合作開發：
 - 修改郝若貝所編二萬五千人之傳記資料
 - 王德毅：宋人傳記資料索引（電子版）
- 2008 中國傳記數據庫國際研討會
- 2009-2011收到美國國家人文基金會支持：挖掘數位化的傳記資料
- 2011-2014 SSHRC (加拿大國家基金)
- 2012-2015 Luce基金會

Collaborations

與CBDB合作網上數據庫

明年春天--開放API

Home About Search: [Advanced Search](#)

Pers-DB A knowledge base of Tang Persons

The Pers-DB is collecting information about persons, currently focusing on persons who lived at least a part of their lives under the Tang empire, that is between 618 and 907 A.D. in China.

Contents

At this moment (2011-04-05), there is information about **4636** persons. Naturally, the amount of information varies considerably; we have attempted to collect as much as possible about the following:

- Dates for birth and death where available, otherwise *floruit* dates
- Alternated names
- Places of origin and other relevant places
- Related persons
- Exams
- Career of official postings
- Works
- Biographies or other references in the literature.

Methodology

In contrast to the [Resources for Tang Studies](#), which has been built in a bottom-up way by marking names of persons in the text and then extracting this information, in **Pers-DB** information has been collected from existing reference works, anthologies like the *Quan Tang shi* 全唐詩 or the *Quan Tang wen* 全唐文, building on the series of reference works for Tang Studies *Tang Civilization Reference Series* 唐代研究のしおり compiled by HIRAOKA Takeo 平岡武夫 and his collaborators in the 1950s and early 1960s at our Institute, as well as more recent reference works like the *Zhongguo wenxuejia dacidian* 中国文学家大辞典(唐五代卷) compiled by Zhou Zu 周祖 and his team (Beijing, Zhonghua Shuju, 1992).

At the moment, only the most prominent persons have been included, with a focus on persons who left some kind of written record. It is planed to expand the scope and merge with the more extensive material collected as part of the [Resources for Tang Studies](#).

Search interface

The search interface here is a revised and updated version of [唐代人物データベース](#), which has become instable recently.

In the search box at the top of this page searches on names of persons can be directly entered, you will then be presented with a list of results. There is also a form for [Advanced Search](#), which allow to find persons by entering any or all of the following:

- Names [names:]
Any name that has been used for a person, including 字 or 號 ([Search for 樂天](#))
- Places [places:]
Places that are asociated with persons
- Dates [dates:]

明清婦女著作

主頁 簡介 項目 檢索 人員 聯繫 調查表格

:: 漢語 | English ::

主頁



計畫簡介

過去的十年見證了在中國大陸、臺灣、香港、北美和歐洲的學者、研究人員和學生中興起的一股有關明清時期（1368-1911）中國女性文學、歷史和文化的研究熱潮。女性歷史和文化處于中國領域內變化最快、最令人激動的新研究途徑之中，并且女性寫作為研究創新提供了重要資源。中國的婦女寫作不僅能使我們通過聆聽女性自己的聲音進入她們的生命體驗，而且為理解中國文化和社會提供了性別化的視域。但是，大部分前現代中國的女性作品仍然遭到忽視，僅以孤本手稿或稀有圖書副本的方式存世，收藏于中國各圖書館內。由于接觸這些重要文本正常途徑的普遍缺乏，使得針對它們進行的廣泛深入的研究變得十分困難。

麥基爾大學—哈佛燕京圖書館「明清婦女著作」數字計劃目的在於為學術研究提供哈佛燕京圖書館藏書中珍貴的明清婦女寫作詩文集的在線接入。本網站正是該合作計劃的直接成果。作為接入和保存的有效方式，同時也作為學術研究的寶貴資源，本網站包括由哈佛燕京圖書館明清婦女著作檔案數字圖像組成的虛擬圖書館，并由麥基爾大學設計和實現的在線學術資料進行增補。

「明清婦女著作」數字計劃得到下列個人和機構的大力支持：

The Drs. Richard Charles and Esther Yewpick Lee Charitable Foundation (Hong Kong)
Mrs. Amelia Wong
The Harvard-Yenching Institute (Harvard University)
The Richard H. Tomlinson Digital Library Access Award (McGill University)
Dean of Arts Development Fund (McGill University)

Ming Qing Women's Writings – Professor Grace Fong,
McGill University

中央研究院 歷史語言研究所

人名權載

明清人物傳記資料查詢

[公佈欄](#)

[建置說明](#)

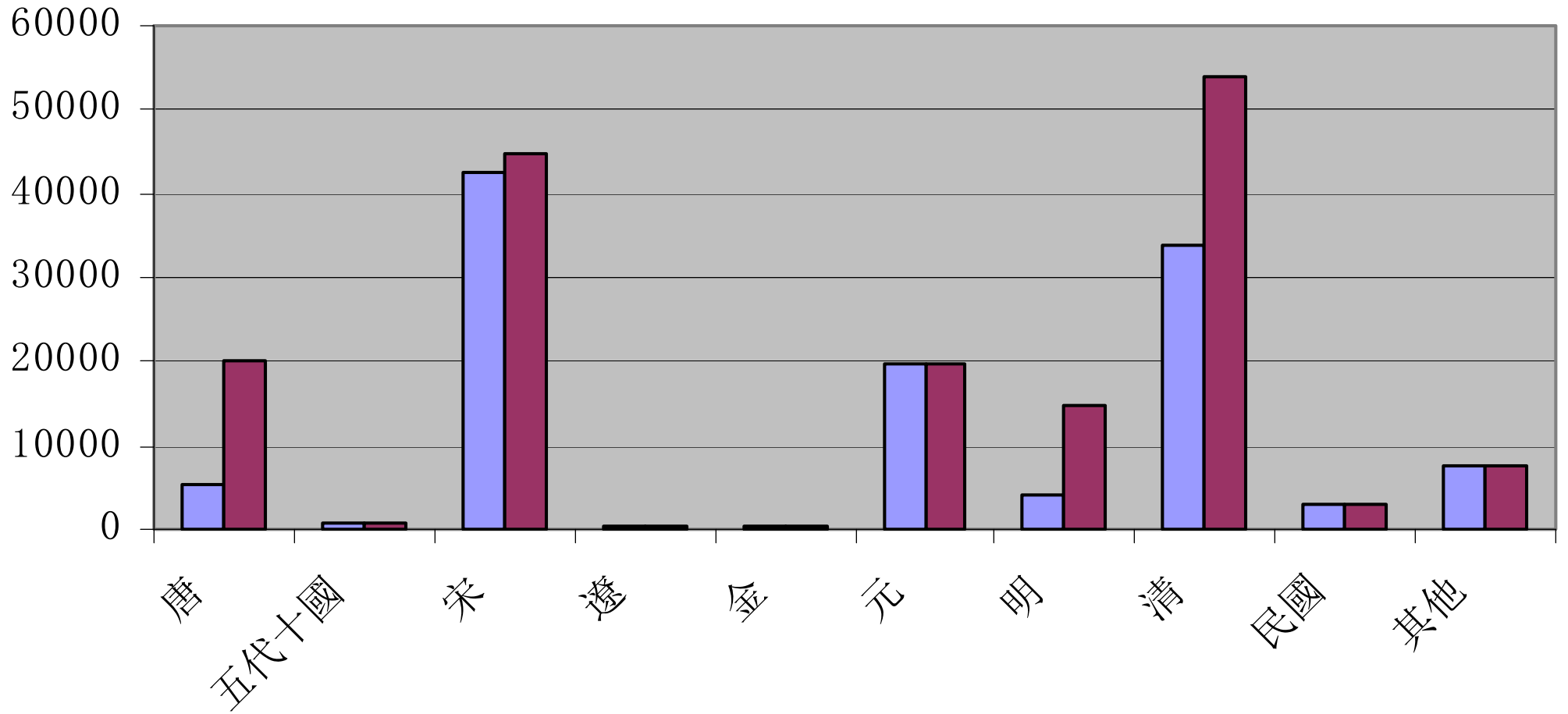
[查詢檢索](#)

[相關連結](#)

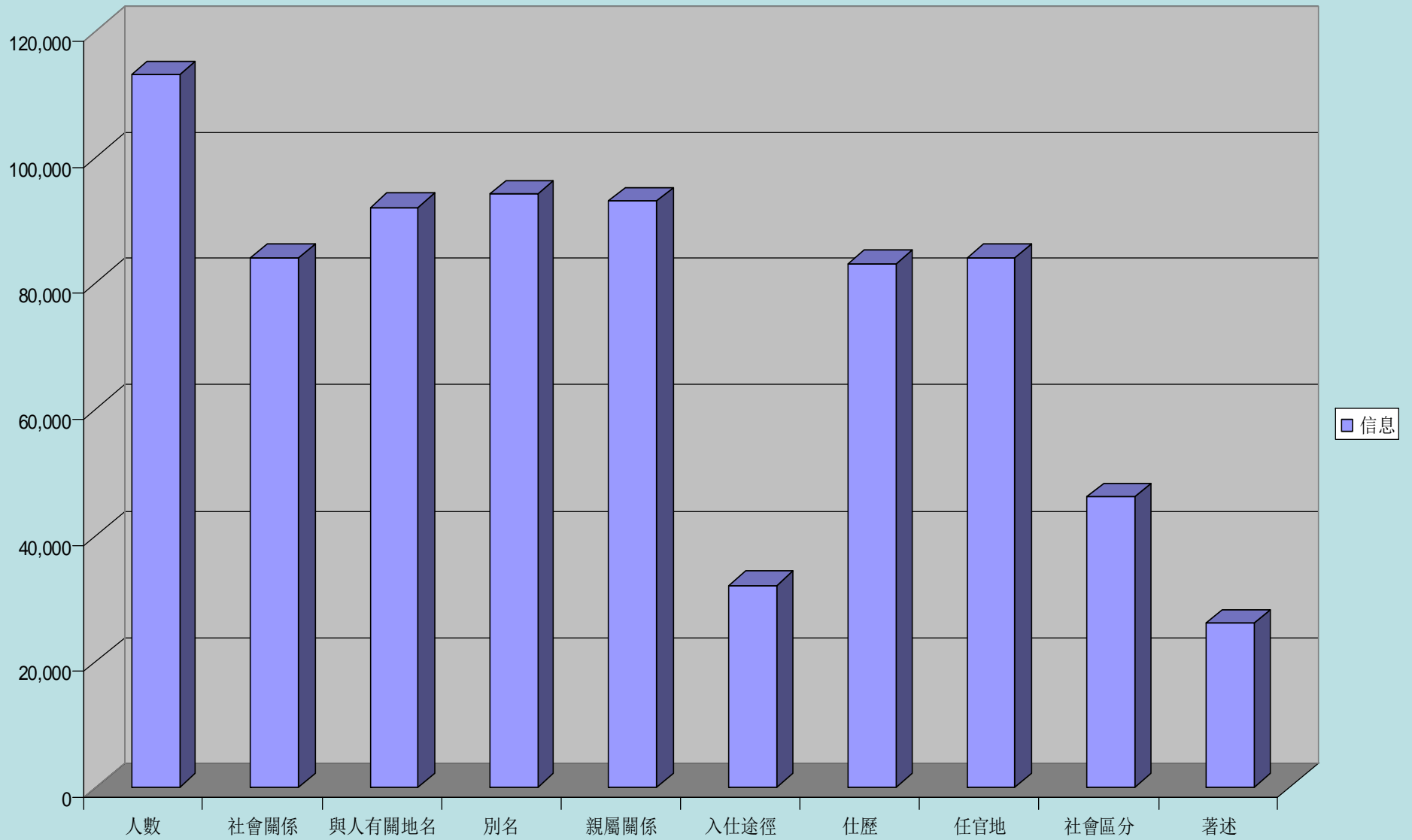
[Q&A](#)

2011 CBDB Database

傳記人數（已有與準備上載傳記）



信息



Where CBDB finds data

- Modern syntheses of biographical data
 - 宋人傳記資料索引
 - 元人傳記資料索引
 - 明人傳記資料索引
 - 清代人物生卒年表
- Traditional biographical records
 - 正史列傳
 - 墓誌銘、墓表等
 - 地方志列傳
- Evidence for social associations from literary collections
 - 文集之祭文、序、記、書信等
- Evidence for office holding from modern and traditional sources
 - 郡守年表
 - 會要、實錄等
- Other biographical databases
 - MQWW
 - Ming Qing Name Authority files
 - Pers-DB Knowledge Base of Tang Persons (Kyoto)

How CBDB data is selected

- Names——人名
- Time——時間
- Places——地址
- Offices——職官
- Modes of entry into office——入仕途徑
- Writings——著作
- Social Distinctiveness——社會區分
- Kinship——親屬關係
- Social associations——社會關係
- Possessions——財產
- Events——事件

BIOG ADDR 地址
Person ID <i>Addr Type ID Place ID, etc</i>

ALT NAMES 別名
Person ID <i>Name Type ID Alt Name, etc</i>

WRITINGS 著述
Person ID <i>Text ID, etc</i>

ENTRY 入仕
Person ID <i>Entry ID Year, etc</i>

Data tables
are *linked* to
each other via
Person IDs.

這些資料表通
過人物代碼關
聯起來。

POSTINGS 任官
Person ID Postings ID <i>Office ID Start Date End Date, etc</i>

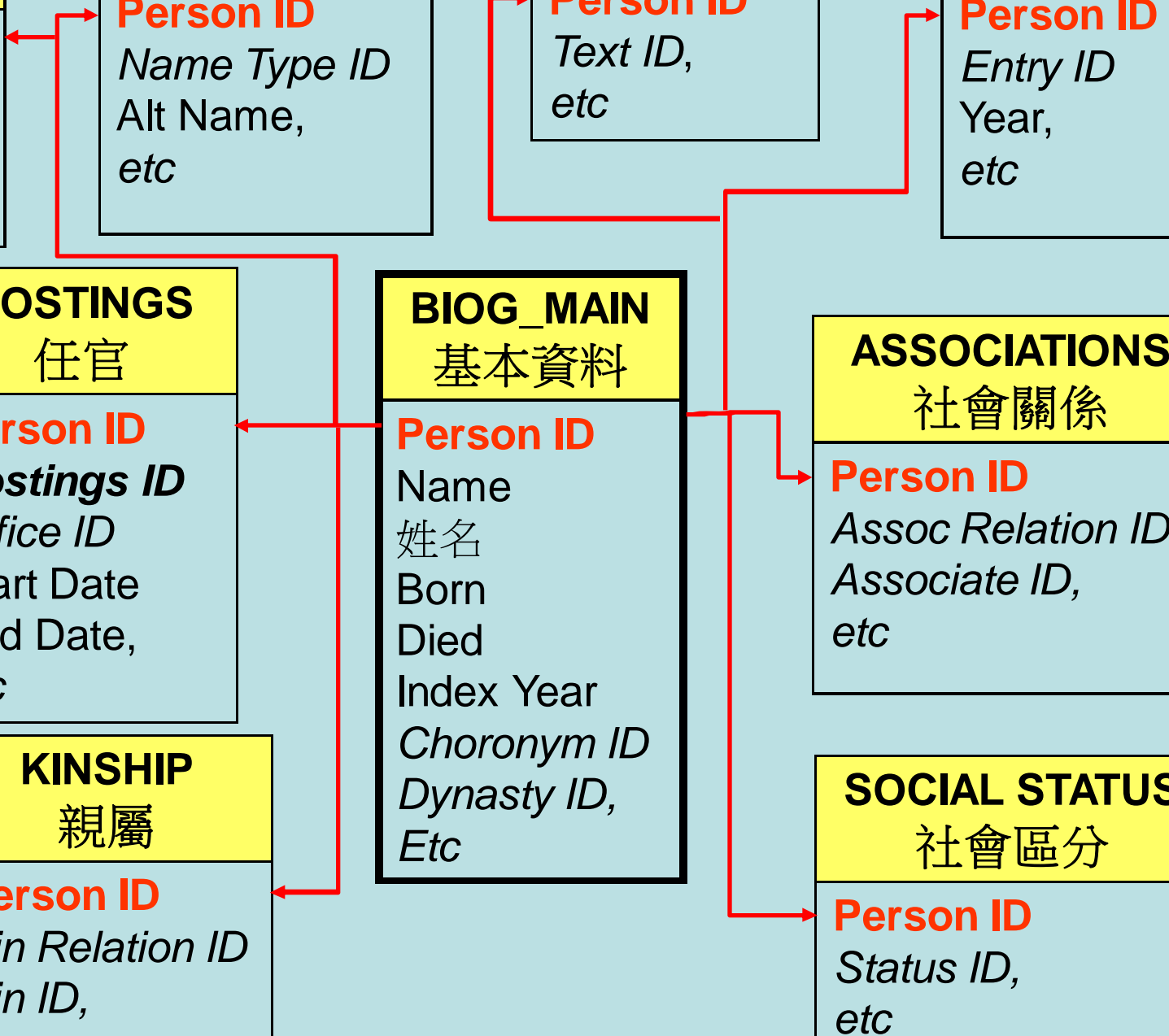
BIOG_MAIN 基本資料
Person ID Name 姓名 Born Died Index Year <i>Choronym ID Dynasty ID, Etc</i>

ASSOCIATIONS 社會關係
Person ID <i>Assoc Relation ID Associate ID, etc</i>

POST ADDR 任官地
Postings ID <i>Place ID, etc</i>

KINSHIP 親屬
Person ID <i>Kin Relation ID Kin ID, etc</i>

SOCIAL STATUS 社會區分
Person ID <i>Status ID, etc</i>



CODE TABLES

Codes are described by other tables.

代碼的內容可以通過其他資料表加以描述。

- Each code represents a distinct entity.
 - The meaning of each code is explained in Chinese and English in *code tables*.
 - Each code may be classified under different *types* (and subtypes).
 - Supplementary information may be provided for a code in additional tables.
- 每個代碼代表一個實體。
 - 每個代碼的意涵在代碼表中用中、英文分別予以描述。
 - 每個代碼可以被劃分入不同的類別（以及子類別）。
 - 數據庫還可以通過其他資料表為代碼補充額外的信息。

Lü Zuqian (呂祖謙, 1137-1181), whose style name was Bogong (伯恭), was a grandson of the Right Assistant Director to the Imperial Secretary (尚書右丞) Haowen (好問). His family had lived in Wuzhou (婺州) since his grandfather's generation.ⁱⁱ The learning of Zuqian was based on family [tradition], and embodied the textual transmission from the central plain (中原文獻之傳). When he grew up, Zuqian studied with Lin Zhiqi (林之奇, 1112-1176), Wang Yingchen (汪應辰, 1119-1176), and Hu Xian (胡憲, 1082-1162) respectively. He also, maintaining close relationships with Zhang Shi (張栻 1133-1180) and Zhu Xi (朱熹 1130-1200), discussed and investigated [the Way], and strove for a more sophisticated understanding [of the Way].ⁱⁱⁱ

“Factoids” in biographical texts

呂祖謙字伯恭，尚書右丞好問之孫也。自其祖始居婺州。祖謙之學本之家庭，有中原文獻之傳。長從林之奇、汪應辰、胡憲游，既又友張栻、朱熹，講索益精。初，蔭補入官，後舉進士，復中博學宏詞科，調南外宗教。丁內艱，居明招山，四方之士爭趨之。除太學博士，時中都官待次者例補外，添差教授嚴州，尋復召為博士兼國史院編修官、實錄院檢討官。輪對，勉孝宗留意聖學。且言：

Regular expressions

reign title number & year character death character

(元祐|元豐|...|紹興)[0-9]+年卒

WDY

丁罕 (?~999), 潁州人。應募補衛士, 以戰功累遷指揮使。淳化中為澤州團練使, 知霸州, 河決, 以私錢募築, 民咸德之, 擢領靈環路都部署, 破李繼遷有殊功。後拜密州觀察使, 徙貝州。

咸平二年卒, 子守德能世其家。

丁明 (1127~1211), 舊名騫, 字希閔, 後改名明, 字子公, 金壇人, 權子。閉門讀書二十年, 手編事類及史通考等書百餘卷。

奉祠家居, 嘉定四年卒, 年八十五。鄉里私謚博雅先生。

Regular Expressions and Named Entity Recognition (NER)

至元十八年為東陽縣丞

年號	年號代碼	年	year	地名	地名代碼	官名	官名代碼
至元	623	18	1281	東陽	18340	縣丞	841

```

#!/usr/bin/python2.5
import sys
import codecs
import getopt
import re
from removeDups import removeDups
from copy import copy

# chinese string printing
def cprint(s):
    print s.encode('utf-8')

# name to string when ID unknown
def name2str(ids, name):
    s = '<%s,' %name
    for id in ids[name]: s += '%s/' %id
    s = s[:-1]
    s += '>'
    return s

# name to string when ID known
def name2strID(id, names, intervals):
    name = names[id]
    s = '<%s,%s,' %(name,id)
    if intervals[id][0] and intervals[id][1]: s += '%d~%d>' %(intervals[id][0],
intervals[id][1])
    else: s += 'None~None>'
    return s

```

The Editorial Process

- Identify patterns of expression in the texts and construct regular expressions
- “Tag” the text with the RegEx
- Editors manually revise the tagged data in GATE
- Final Coding
- Uploading to the online database

GATE

- Applications
- Language Resources
 - EY110120-8.xml_00014
- Processing Resources
- Datstores

Messages EY110120-8.xml_...

Annotation Sets Annotations List Annotations Stack Co-reference Editor Text

將卒殊死戰，賊遂少卻。病創日篤，堅壁固守，遣使十五輩求援。廣州救兵至，圍解，賜璽書獎之。昺病甚，詔令有司以肩輿載歸闕下。疾愈，通判鎮州，有能聲，賜錢二百萬，遷庫部員外郎。開寶九年，知淮南轉運事。太祖謂昺曰：「朕今委卿以方面之重，凡除民隱、急軍須之務，悉以便宜從事，無庸一一中覆也。」歲運米百餘萬石給京師，當時稱有心計。太平興國初，召為水部郎中。錢俶獻地，以昺為考功郎中，權知兩浙諸州軍事。昺上言：「俶在國日，徭賦繁苛，凡薪粒、蔬菓、箕帚之屬悉收算。欲盡釋不取，以蠲其弊。」從之。車駕征晉陽，上書求從，召為右諫議大夫、三司副使，判行在三司，又兼吏部選事。師還，加給事中。坐受人請求擅市竹木入官，為王仁贍所發，貶房州司戶。語在仁贍傳。量移唐州。六年，卒，年四十六。有集二十卷、邕管記三卷。其後子

187_c 貽孫上
187_d 杲字師
生多慕效之。
士，當待汝以
許、鄧二州從
。俄上書自言
性奢，嘗為興
算矣。」杲聞
吝如故，且常

writing

comment			X
counter_1	卷		X
counter_2	卷		X
num_1	二十		X
num_2	三		X
title_1	集		X
title_2	邕管記		X
			X

Open Search & Annotate tool

，與姑臧李均、汾陽郭昱齊名，為文深僻難曉，後嘗攜文謁陶穀、竇儀，咸大稱賞，謂杲曰：「若舉進與寒士爭科第，杲遂不應舉。稍遷著作佐郎，出為直史館，歷右拾遺、左補闕。雍熙二年，同知貢舉宗壯之，擢知制誥。杲家貧，貸人錢數百萬。母兄晞自長安來者，給杲曰：「少尹不復靳財物，已揮金無大宗從其請。改工部郎中，罷知制誥。杲既至，而晞境內不治。會賊帥劉渥剽掠屬縣，吏卒解散，遂驚悸

- Original markups
- alternate
 - bio
 - bios
 - death
 - enteoff
 - kinship
 - office
 - place
 - temple
 - writing

Type	Set			
office	Original markups	157	162	18
death	Original markups	165	170	19
office	Original markups	176	183	20
place	Original markups	191	194	22
office	Original markups	221	226	23
office	Original markups	263	276	26

441 Annotations (0 selected) Select

Document Editor Initialisation Parameters

Bear in Mind that: 請考慮到:

- CBDB can be used as a biographical dictionary but it is meant to be used as a database 人名詞典或者數據庫?
- CBDB tries to achieve a high level of accuracy but it is meant to provide the largest possible sample 精度或者數量?
- CBDB assumes that if there are 1000s of examples it is acceptable for there to be a certain “margin of error” 錯誤率

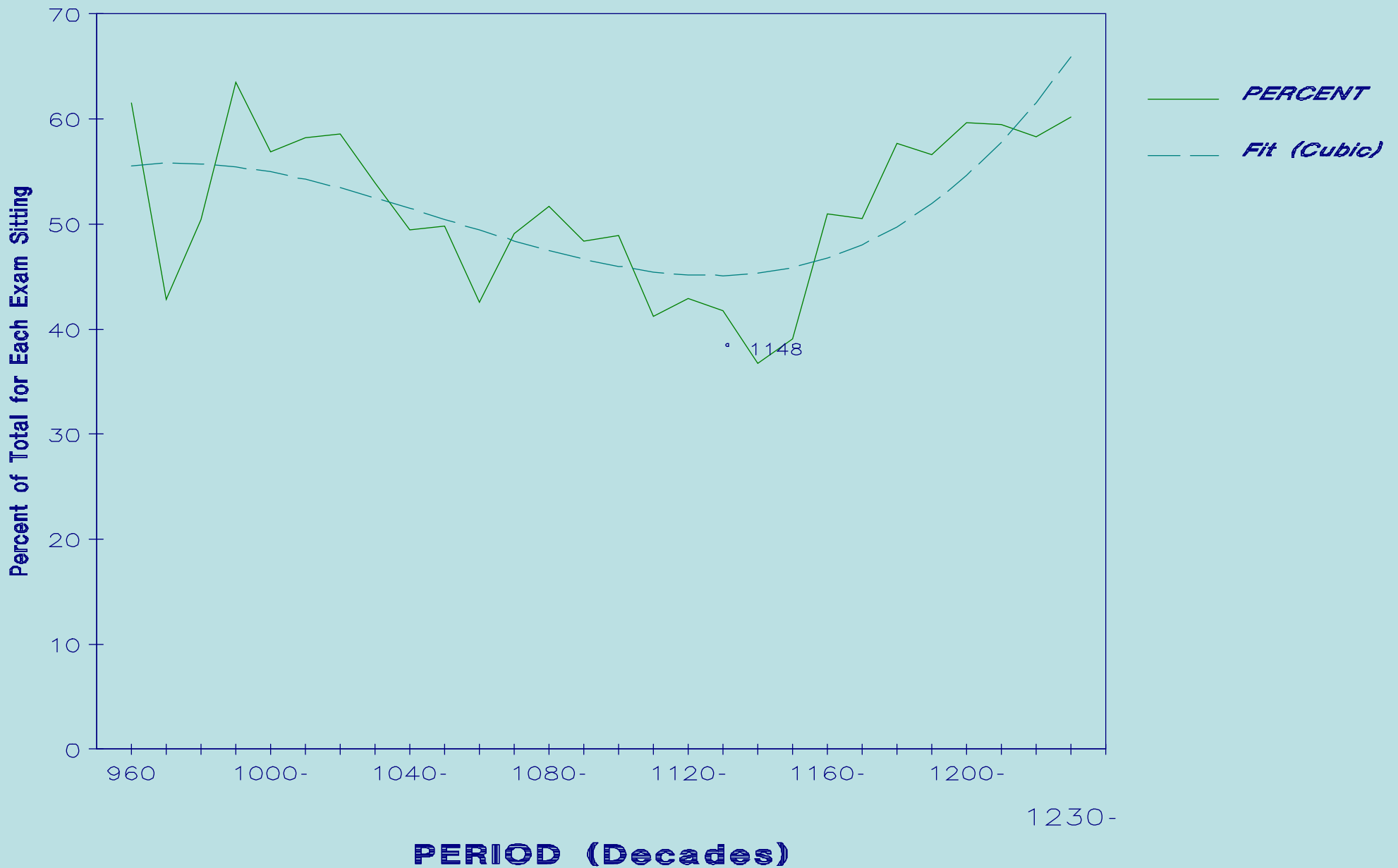
Supporting three modes of analysis

- Prosopographical Analysis 聚集傳記分析
- Social Network Analysis 社會網絡分析
- Geospatial Analysis 地理空間分析

1. Prosopography 聚集傳記學

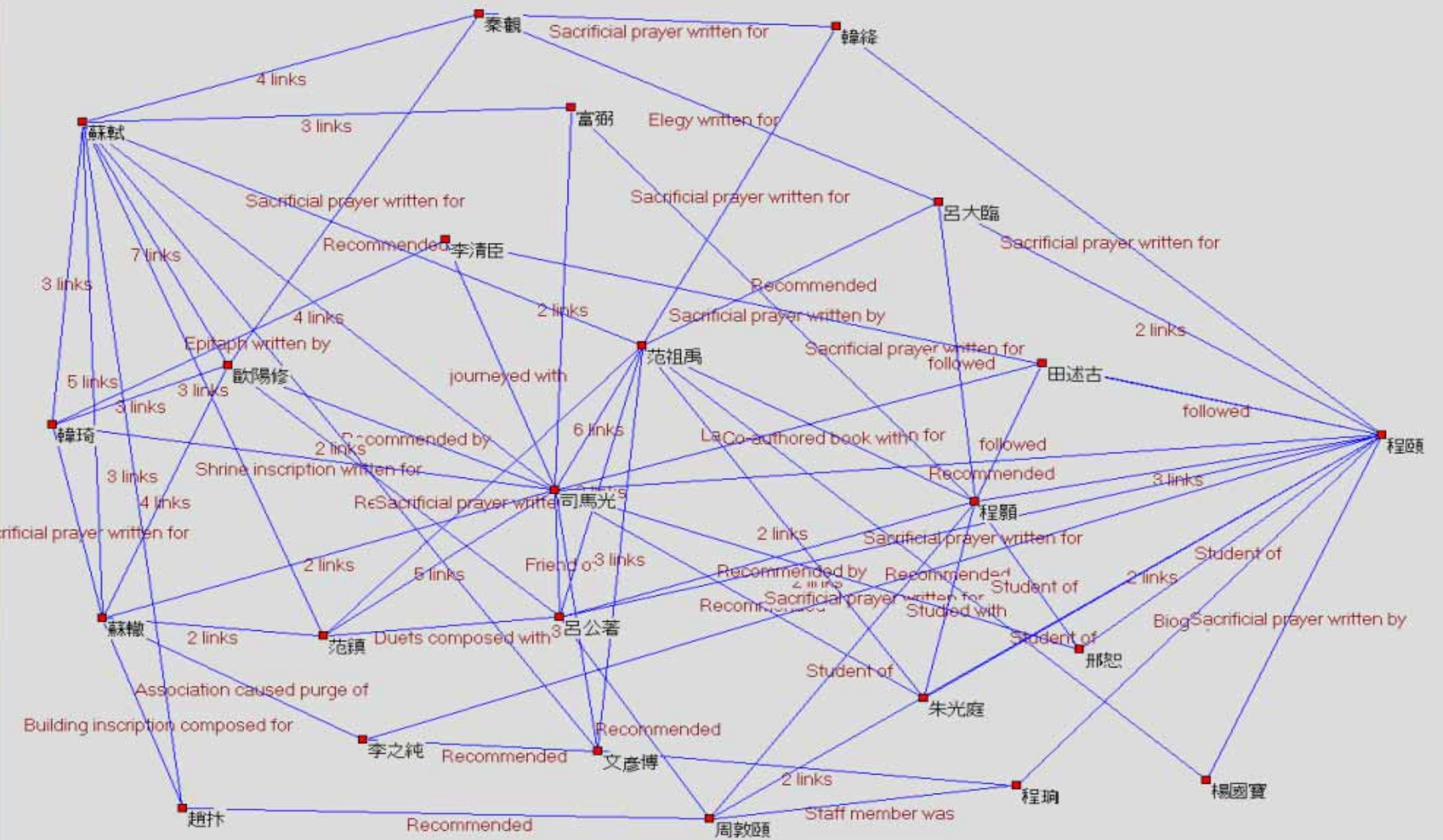
“聚集傳記學” 為透過對一群人之生平作集體性研究，而對這群歷史人物之共同背景特徵所作的探討。其採用的方法為建立一個研究的場域 (**a universe to be studied**)，然後詢問一組統一化的問題---關於出生與死亡，婚姻與家庭，社會出身與其繼承的經濟地位，居住地，教育，個人財富之數量與來源，職業，宗教，公職經驗等等。然後將身處此一場域之所有個人的各種類型資訊並列與結合，檢查其重要的變數。研究者測試這些資訊的內在相關性，以及其與其他行為與行動模式的相關性。 (L. Stone, 'Prosopography', in F. Gilbert and S. Graubard eds., *Historical Studies Today* (New York, 1972))

PERCENT OF SUCCESSFUL JINSHI CANDIDATES WITH DIRECT PATRILINEAL ANCESTORS HOLDING CIVIL OFFICE, 960-1238



2. Social Network Analysis

Conceptualizing community as collections of personal relationships ... provides historians with a blueprint for evaluating when, how and why people in the past used kin and non-kin in the course of their lives. The findings of social network analysts that people need and seek emotional and economic support of different kinds, from different kinds of people, suggest new analytical imperatives. It is not enough now to look solely at how people used kin in times of crisis. Rather, historians need to pursue how people in the past used the kin and friends they had, for different things, throughout the life course, and in the context of the opportunities they enjoyed and the constraints they faced courtesy of demography and culture. Other approaches might be applied to the problem, but HSNA contains the essential perspectives that cannot only advance the debate, but also help historians to meet Tilly's challenge to connect the lives of ordinary people to large-scale change in meaningful ways. (Charles Wetherell, "Historical Social Network Analysis," *International Review of Social History* 43 (1998), Supplement)

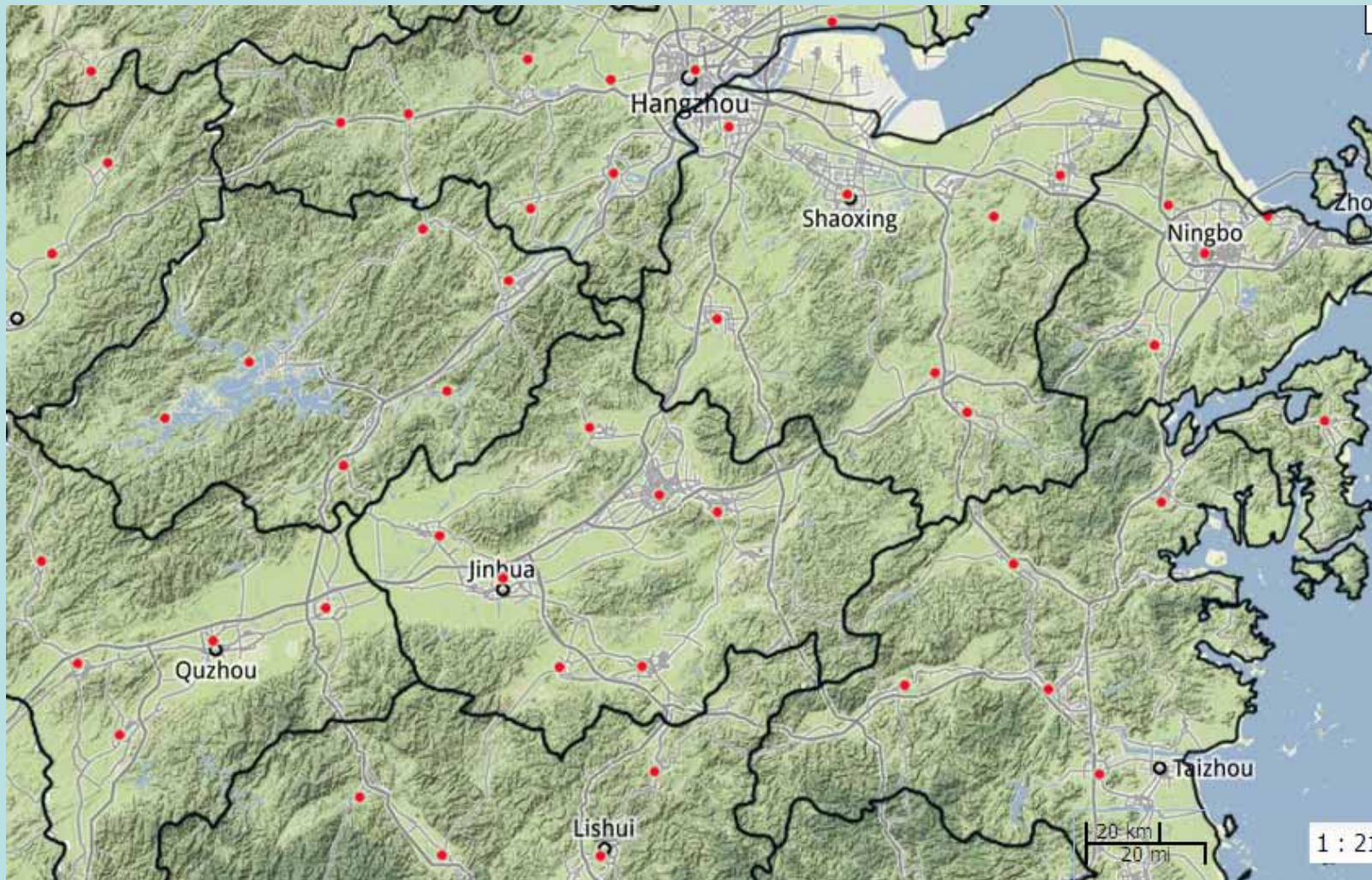


Geographic Information Systems (GIS)

GIS begins from the insight that location and distance—where the cost of distance can be measured in terms of knowledge as well as physical distance—both constrain choices and create opportunities. The software makes it possible to visualize and analyze data that have spatial attributes. For Chinese history the China Historical GIS provides the locations of historical places and their relations to superior and subordinate units.

Using content systems and analytic tools in historical research 在歷史研究中使用內容蒐集的系統與分析工具

- 婺州（金華）與南宋思想史



Using content systems and analytic tools in historical research

- Finding periods of heightened government attention 尋找這地區獲得較多的政府注意期間
- Where local officials came from
- The distribution of jinshi
- Networks of connections
- distribution of social associations
- Scholarly letter exchanges 1150-1210
- Spread of Neo-Confucianism

文件檢索: 婺州, 處州, 衢州

[送出](#) [清除](#) [進階檢索](#)

最近幾次檢索

● 婺州 處州 衢州	624
● 婺州	208
● 曲阜	9
● ?termpat_{3}向敏中 .all +向敏中	89

呈現模式

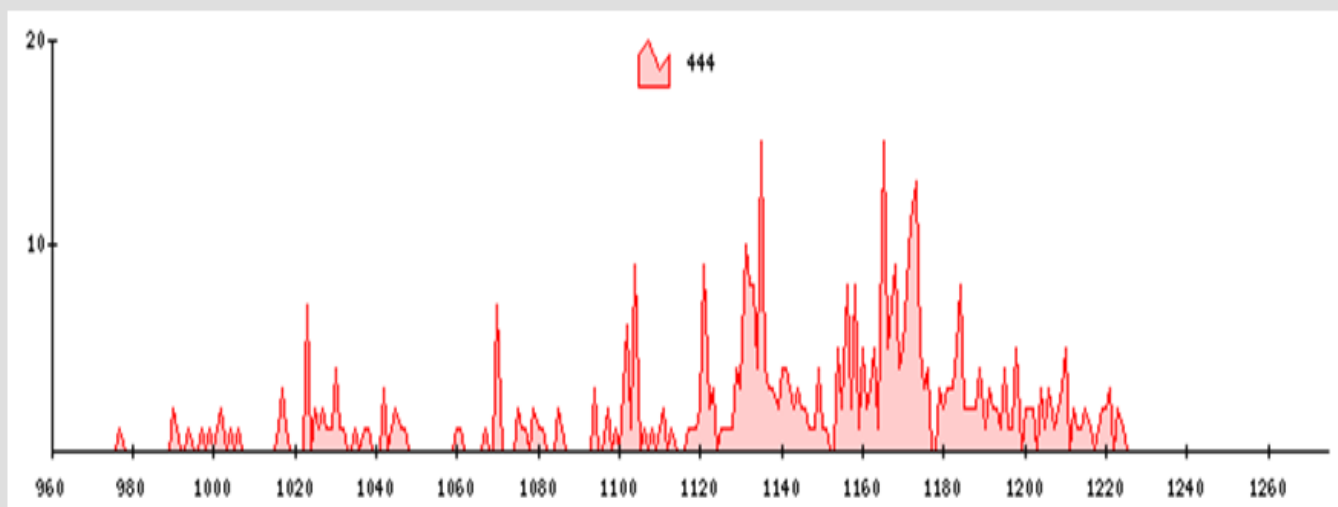
[檢索結果](#) | [逐篇檢視](#) | [詞頻與全文](#) | [列印全文](#)

排列方式

[檔名順序](#) | [年代](#)

找到筆數: 624

頁次: [1](#) | [2](#) | [3](#) | [4](#) | [5](#) | [6](#) | [7](#) | [8](#) | [9](#) | [10](#) | [>>](#) | [下一頁](#)



詮釋資料欄位

[年代](#) | [帝號](#) | [主類別](#) | [分類](#) | [類目](#) | [除錯](#)

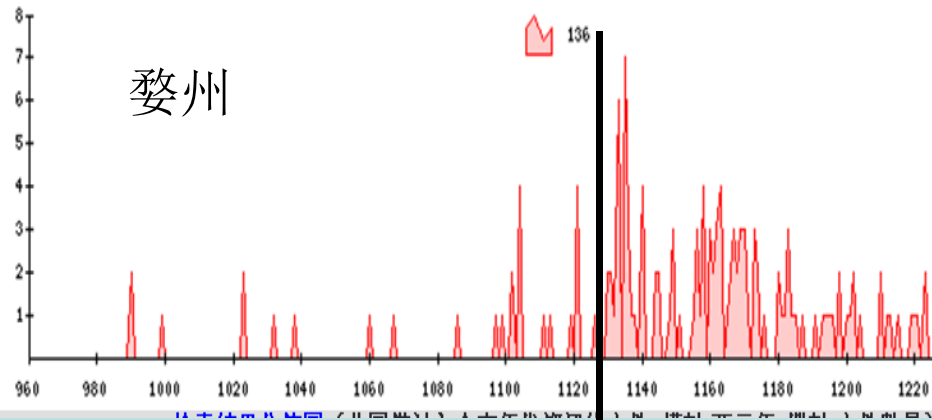
<input type="checkbox"/> 年代 (TM)	624
<input type="checkbox"/> 太宗太平興國	1
<input type="checkbox"/> 太平興國2年 (0977)	1
<input type="checkbox"/> 太宗淳化	4
<input type="checkbox"/> 淳化1年 (0990)	2
<input type="checkbox"/> 淳化2年 (0991)	1

1. 帝系三之二○/宗室追贈 /贈使相 == //

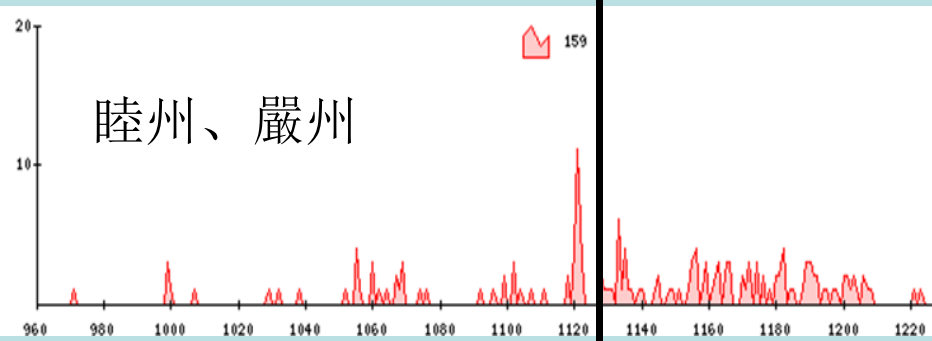
婺州觀察使仲彌, 紹聖二年九月贈開府儀同三司、永國公。 □

帝系: 宗室追贈 ◆◆◆◆◆(XXXX)◆ SongHW_000684_p1_00685

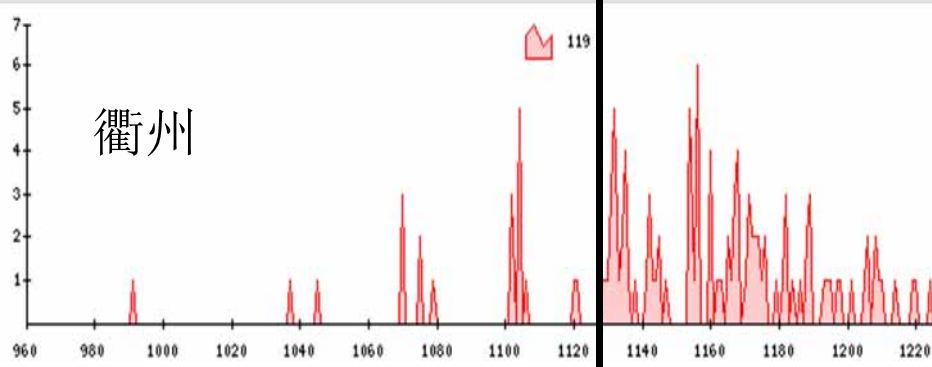
婺州



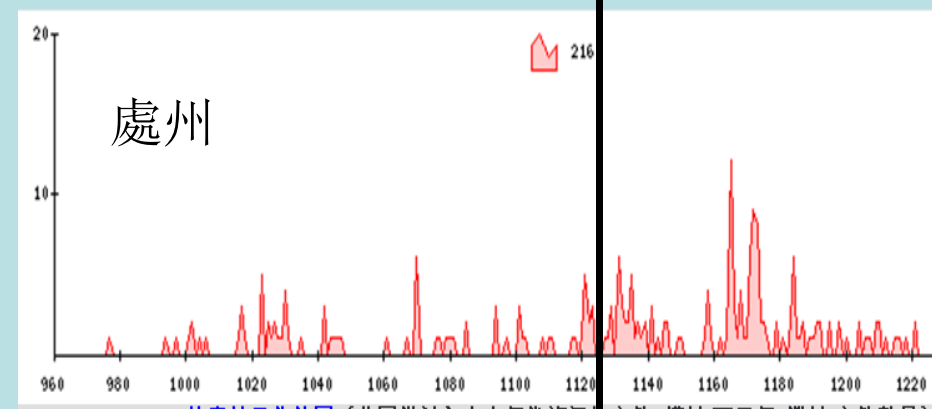
睦州、嚴州



衢州



處州



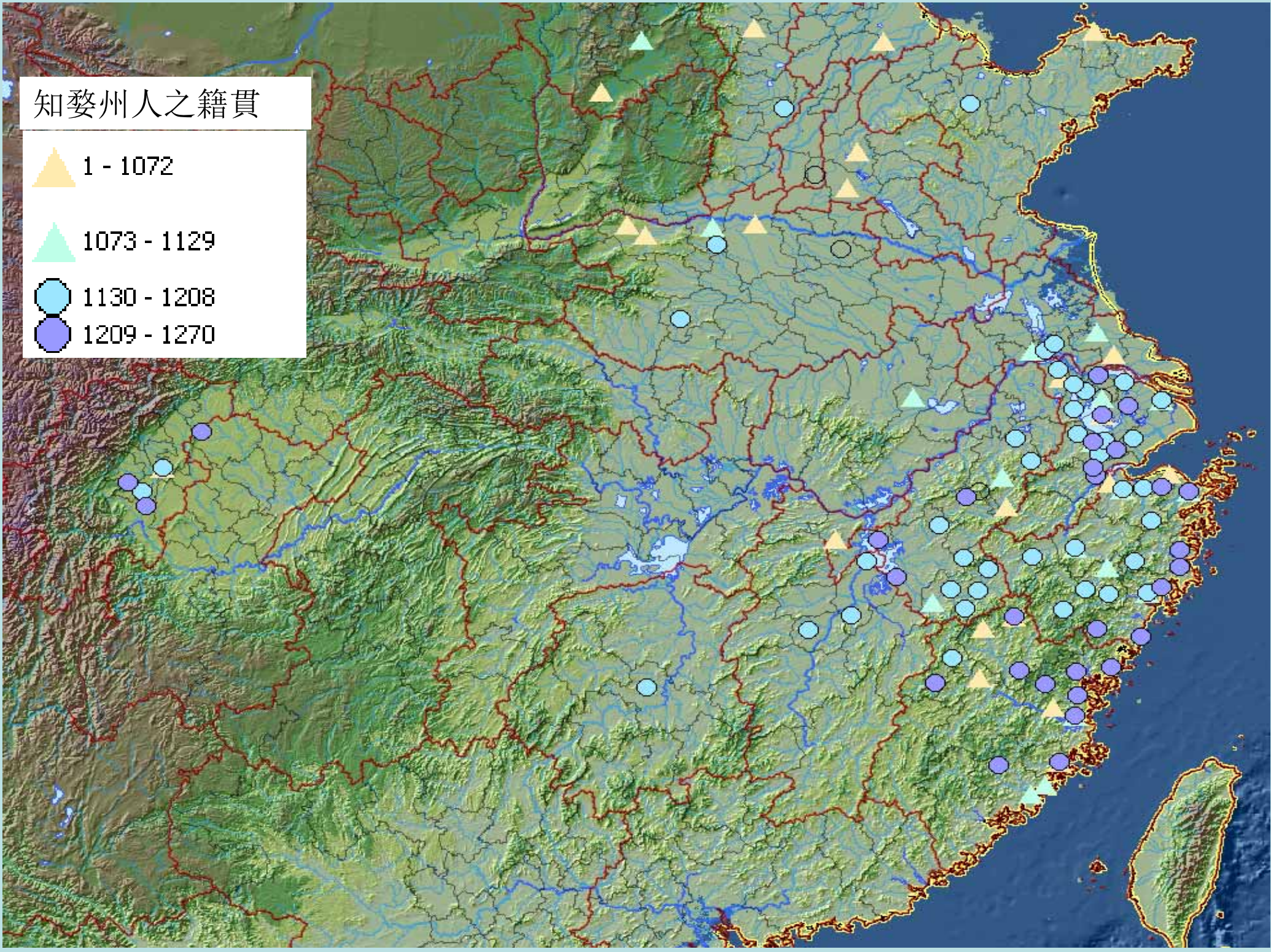
1120-1121 Fang La Rebellion 方臘起義

Using content systems and analytic tools in historical research

- Finding periods of heightened government attention
- **Where local officials came from** 地方官員的來源
- The distribution of jinshi
- Networks of connections
- distribution of social associations
- Scholarly letter exchanges 1150-1210
- Spread of Neo-Confucianism

知婺州人之籍貫

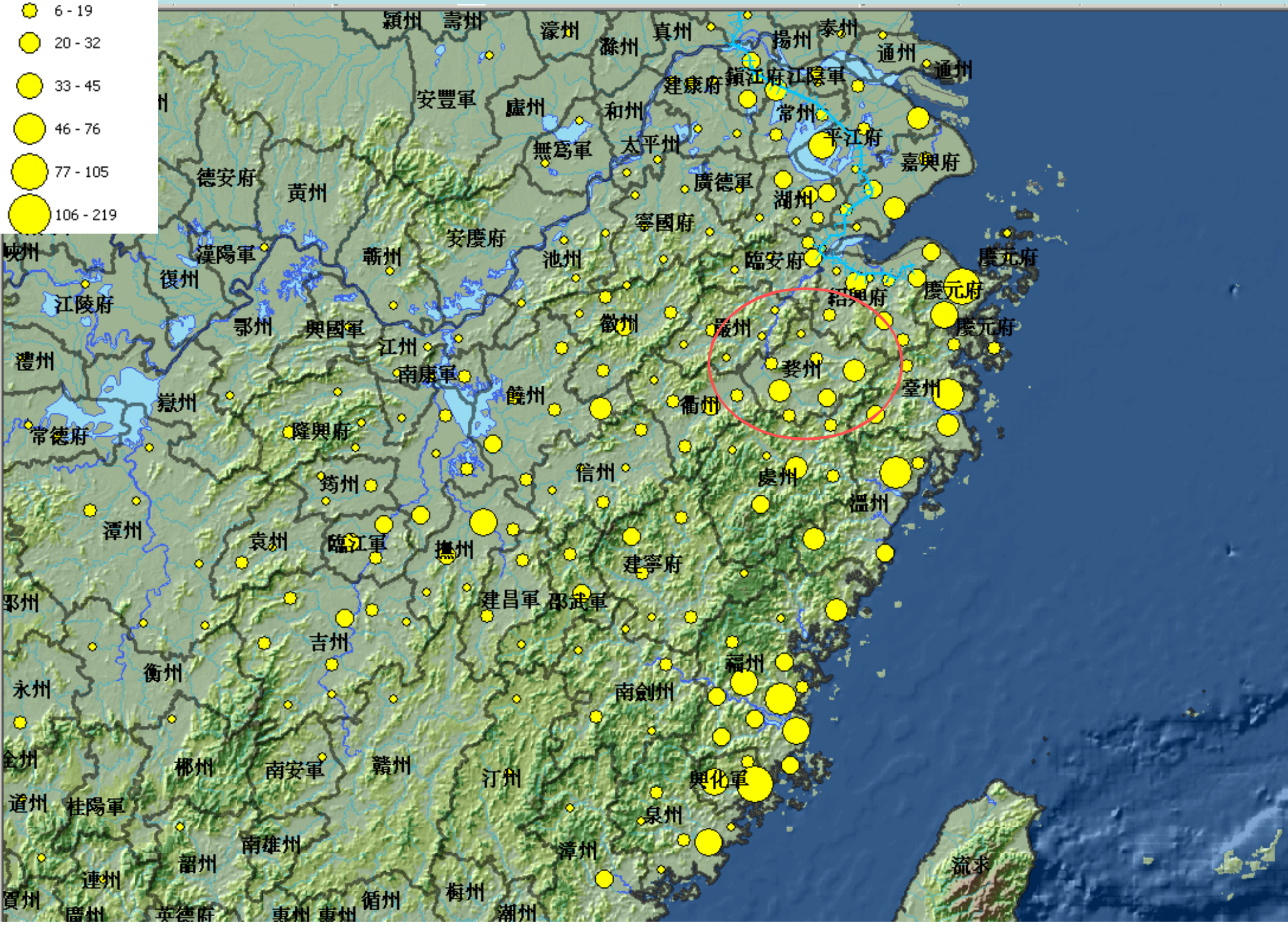
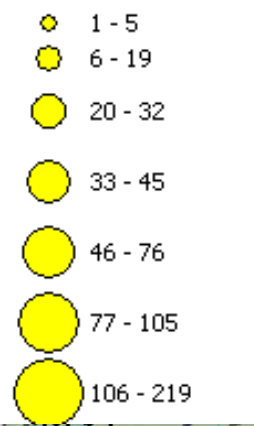
- ▲ 1 - 1072
- ▲ 1073 - 1129
- 1130 - 1208
- 1209 - 1270

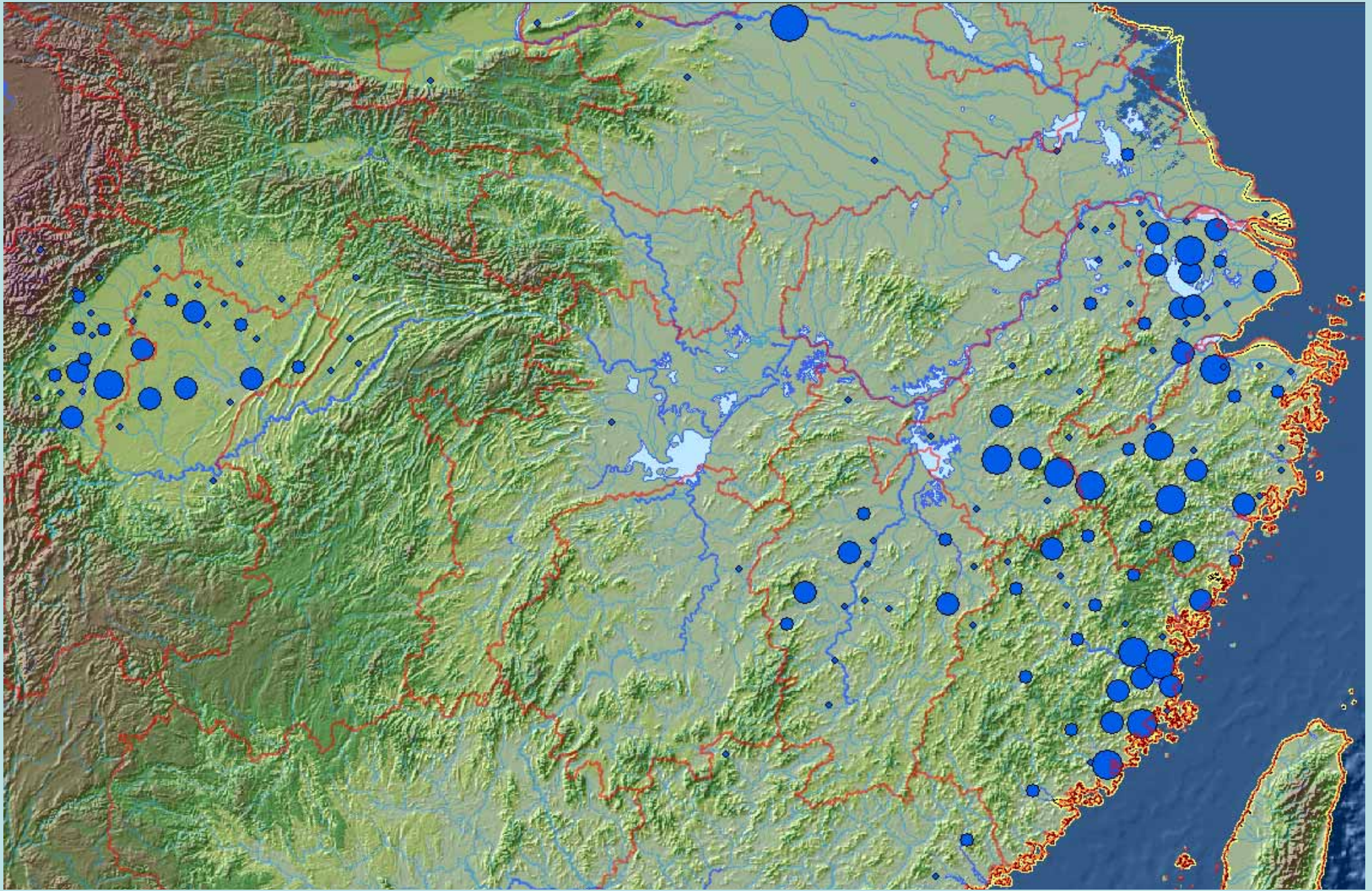


Using content systems and analytic tools in historical research

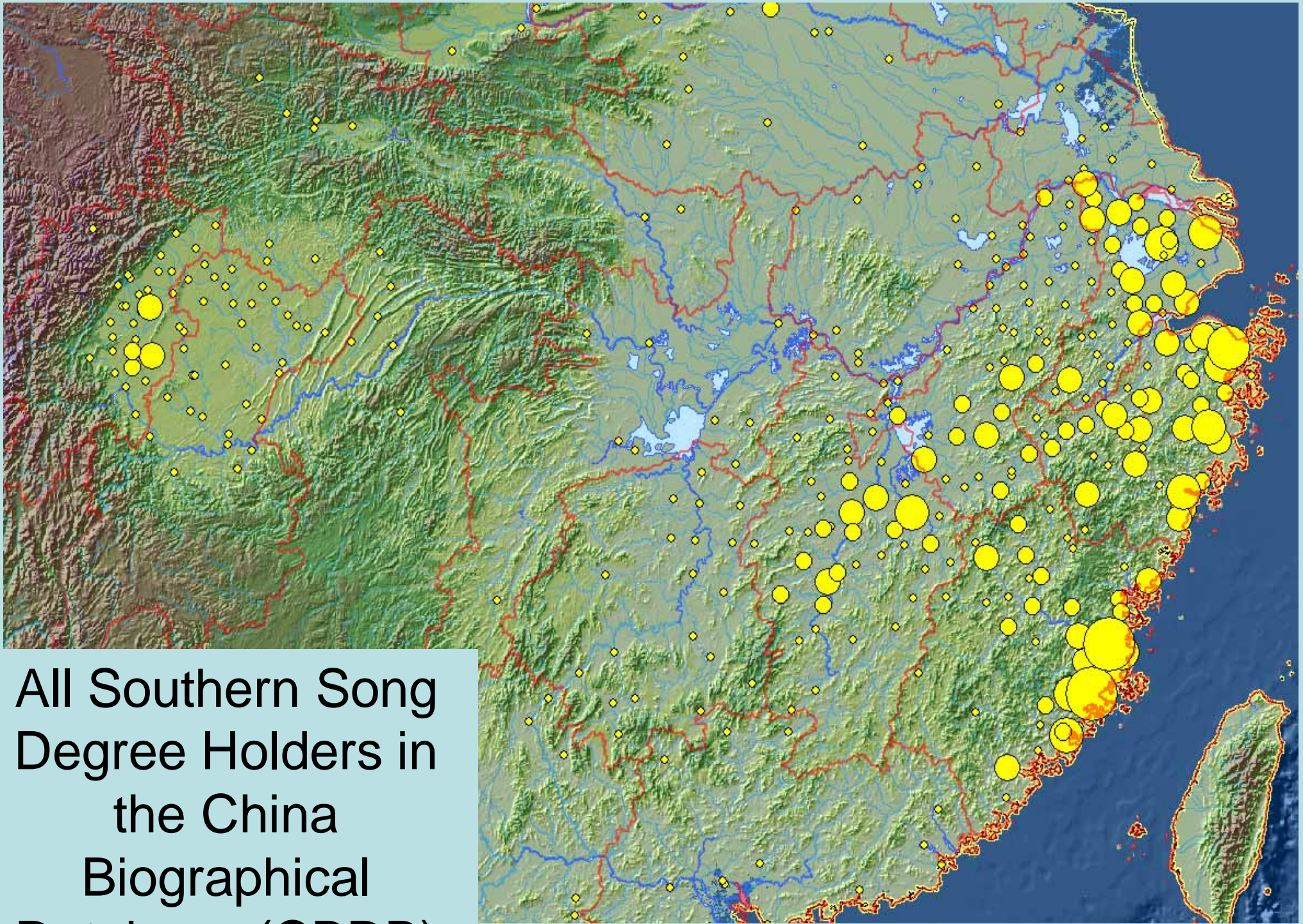
- Finding periods of heightened government attention
- Where local officials came from
- The distribution of jinshi 進士之地理分佈
- Networks of connections
- distribution of social associations
- Scholarly letter exchanges 1150-1210
- Spread of Neo-Confucianism

Jinshi 1127-1276





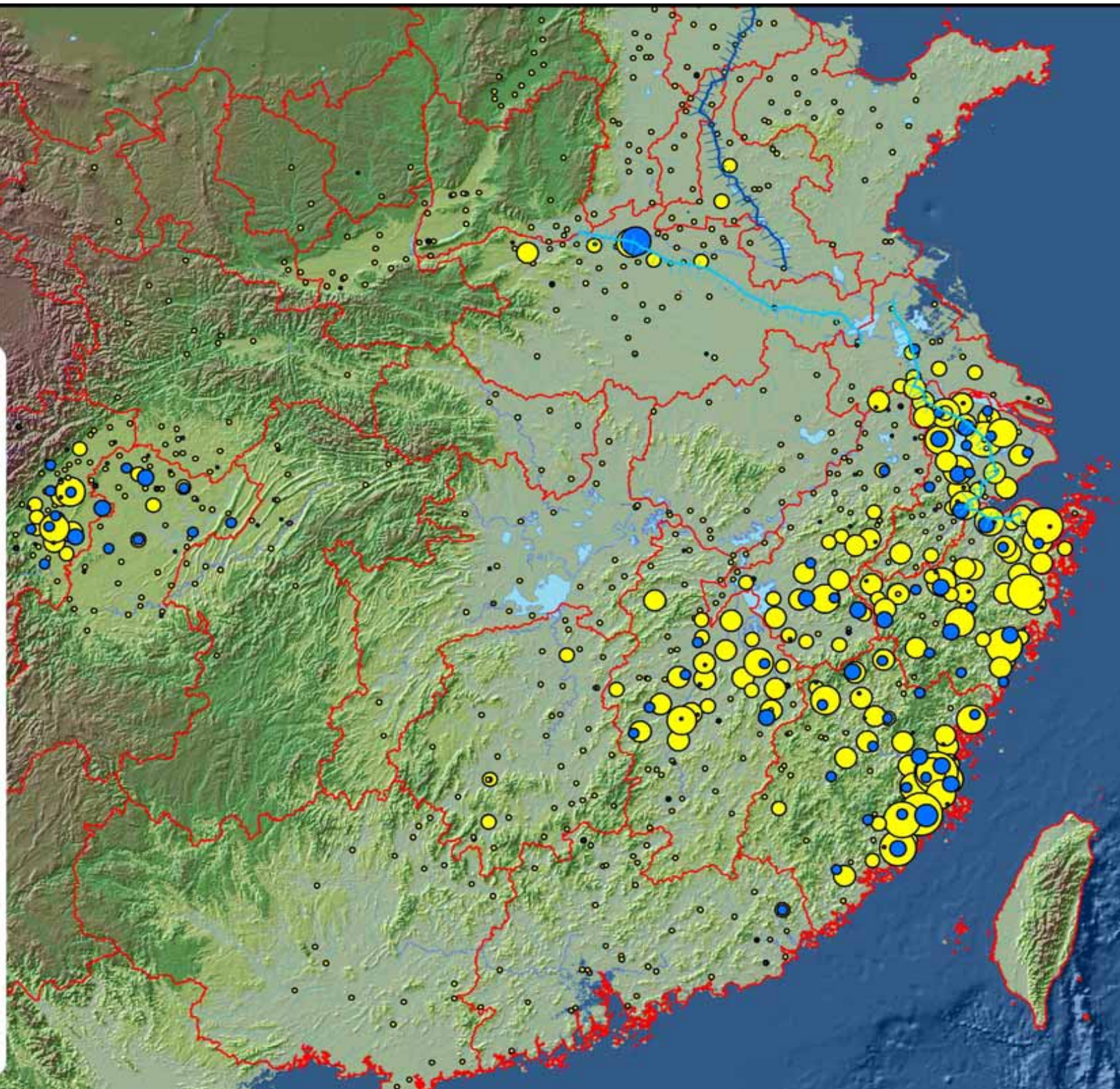
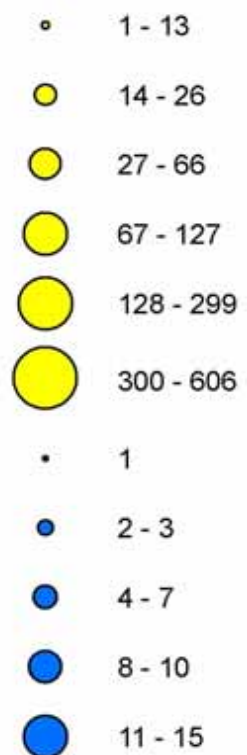
1148 Civil Service Examination List 紹興十八年登科錄



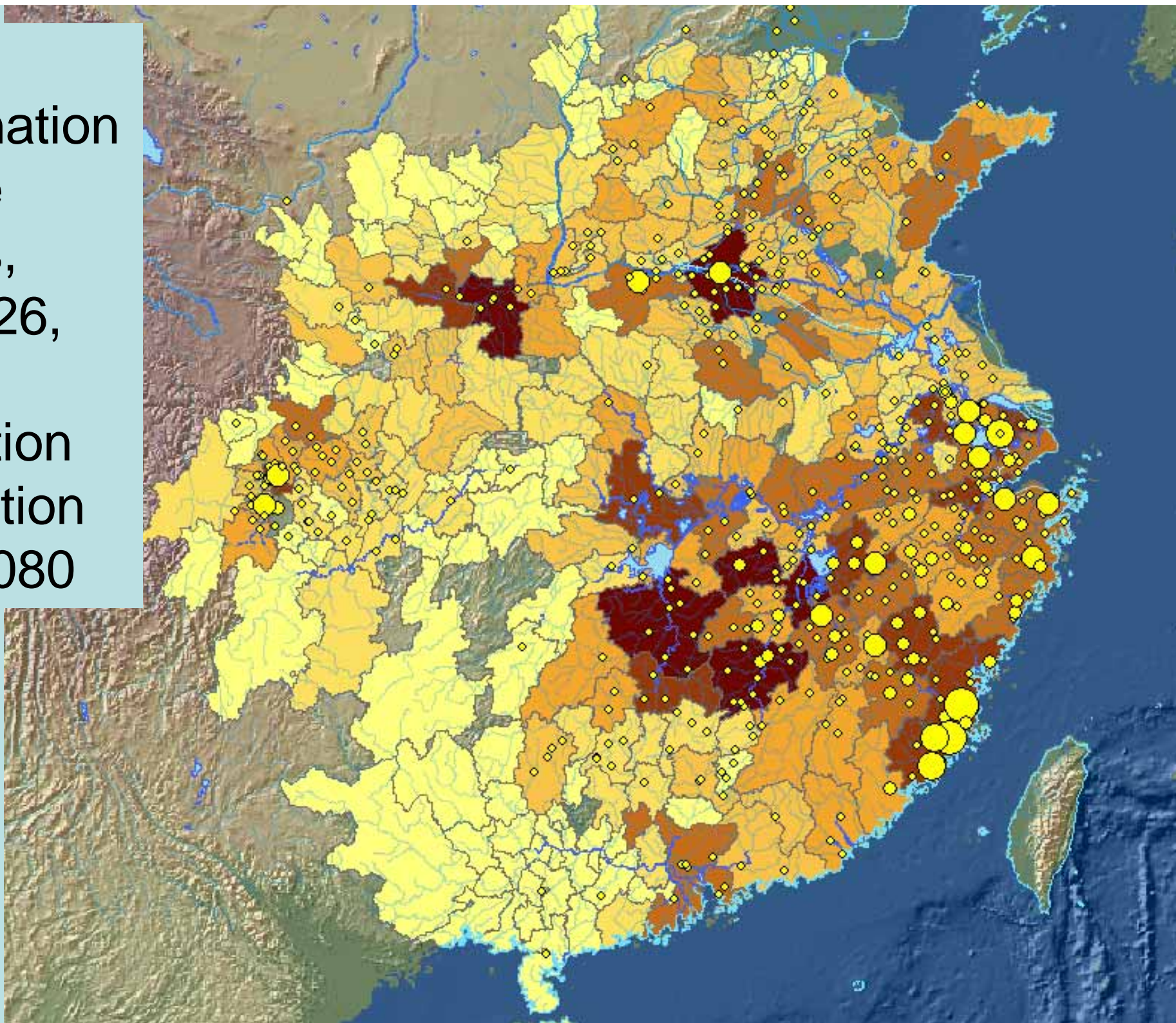
All Southern Song
Degree Holders in
the China
Biographical
Database (CBDB)

**All CBDB Song
Jinshi (n=10500);
1148 Jinshi**

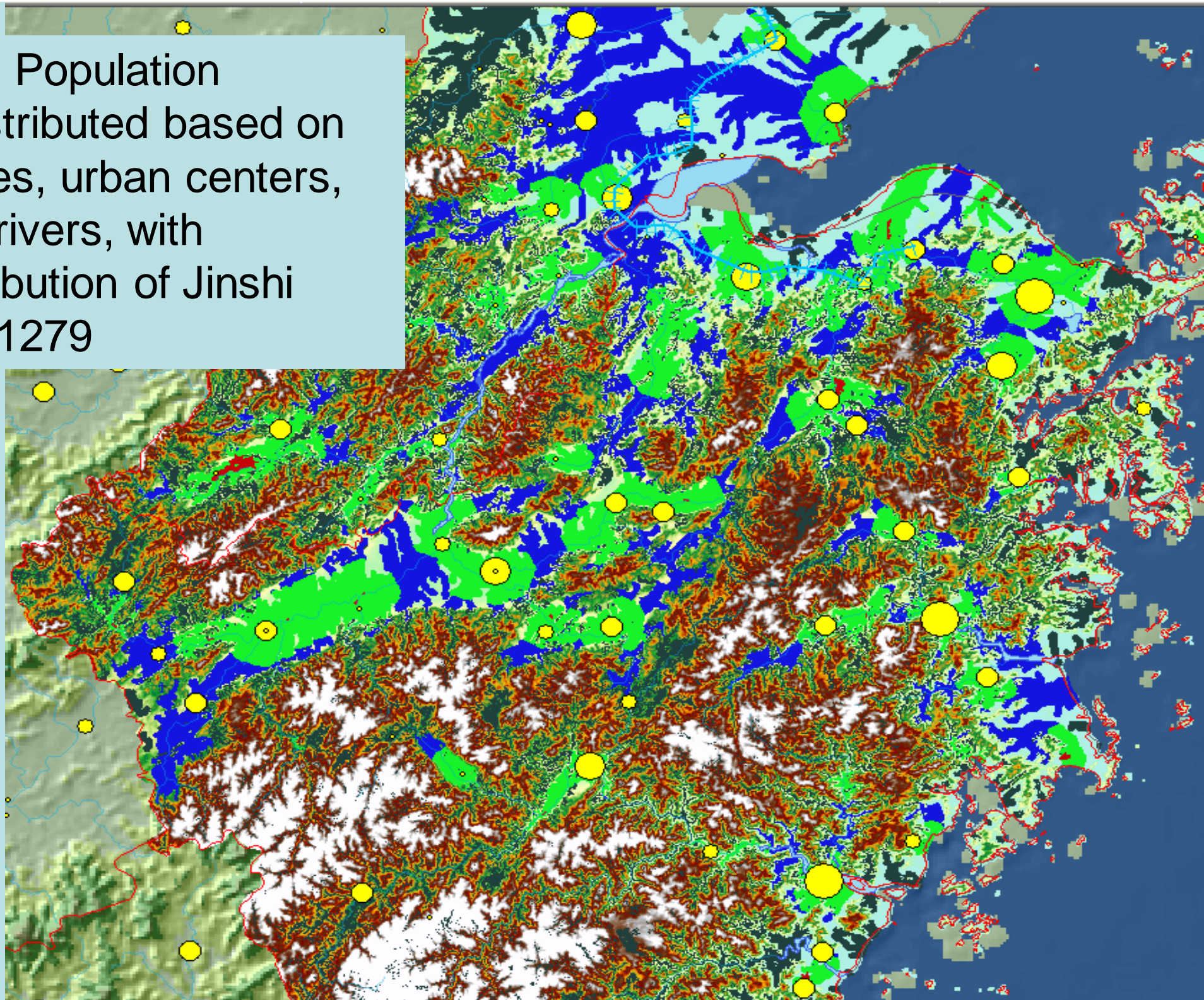
ExamEntry 960-1279



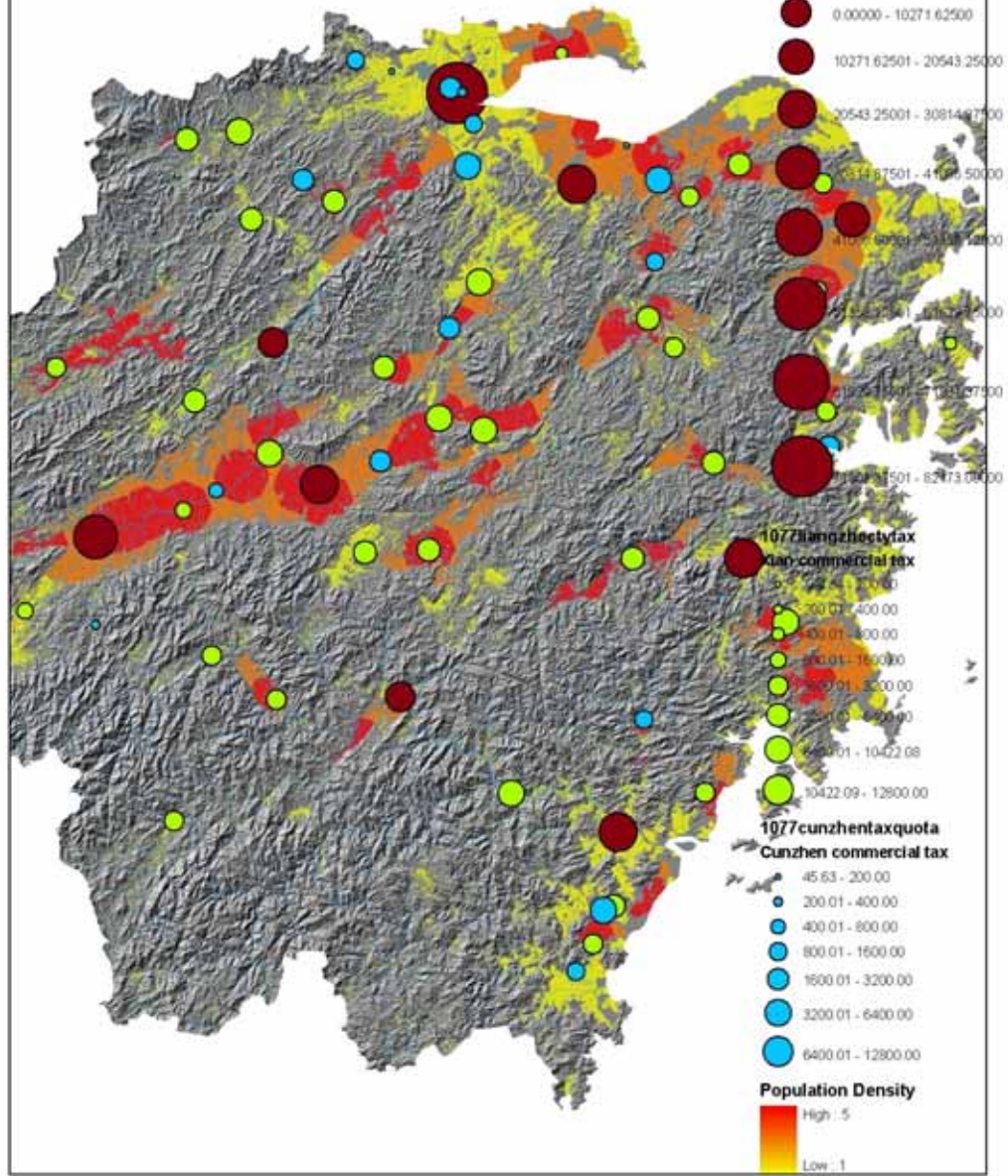
4730
Examination
Degree
holders,
960-1126,
with
population
distribution
as of 1080



1102 Population
redistributed based on
slopes, urban centers,
and rivers, with
distribution of Jinshi
960-1279



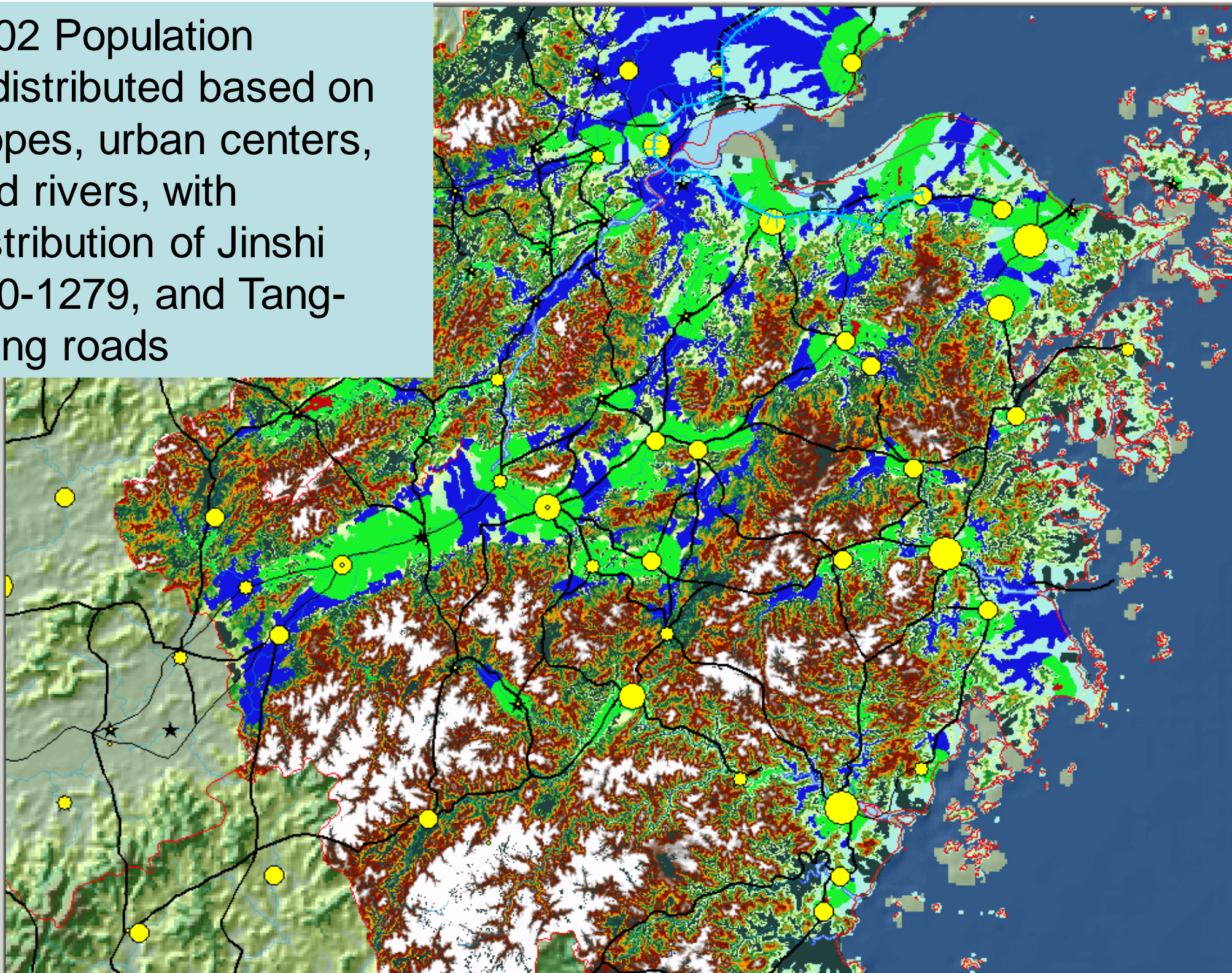
Population distribution model for 1102 Commercial tax quotas for 1077



Using content systems and analytic tools in historical research

- Finding periods of heightened government attention
- Where local officials came from
- The distribution of jinshi
- **Networks of connections 關係的網絡**
- distribution of social associations
- Scholarly letter exchanges 1150-1210
- Spread of Neo-Confucianism

1102 Population redistributed based on slopes, urban centers, and rivers, with distribution of Jinshi 960-1279, and Tang-Song roads



地區與網絡

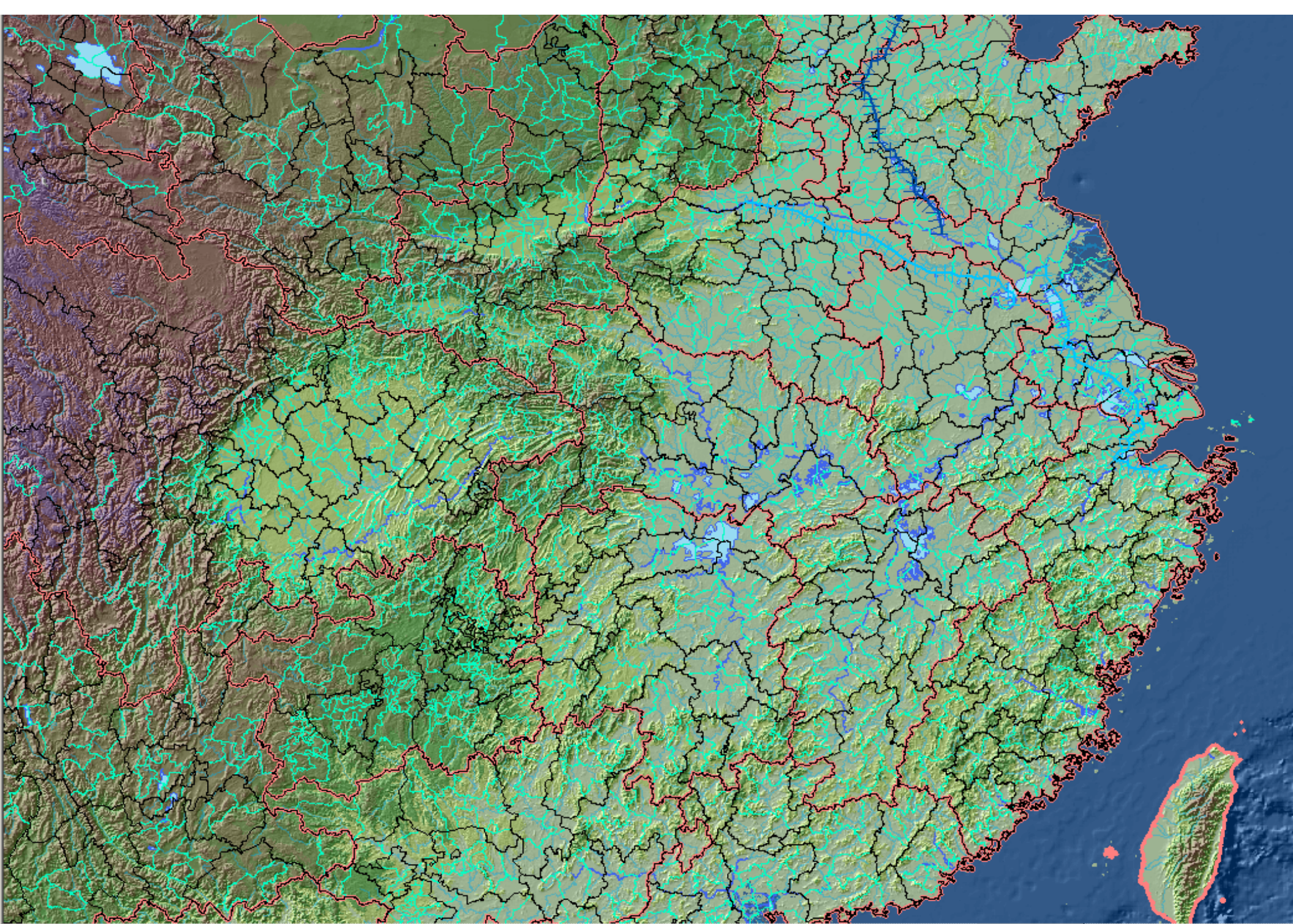
Thinking about Space:

1 Administrative Areas 行政地區

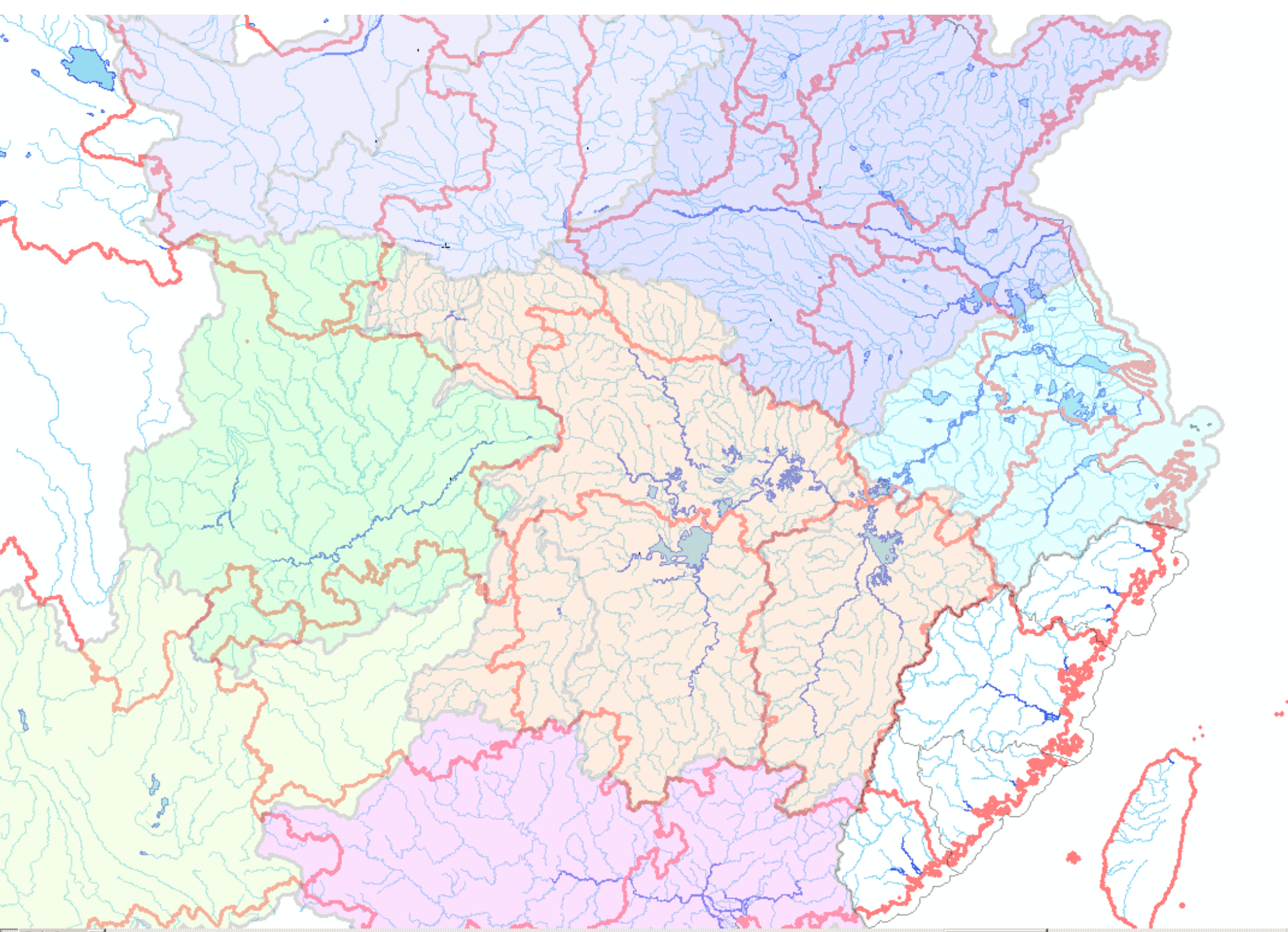
2 Macroregions

or

3 Communication Networks 交通網絡

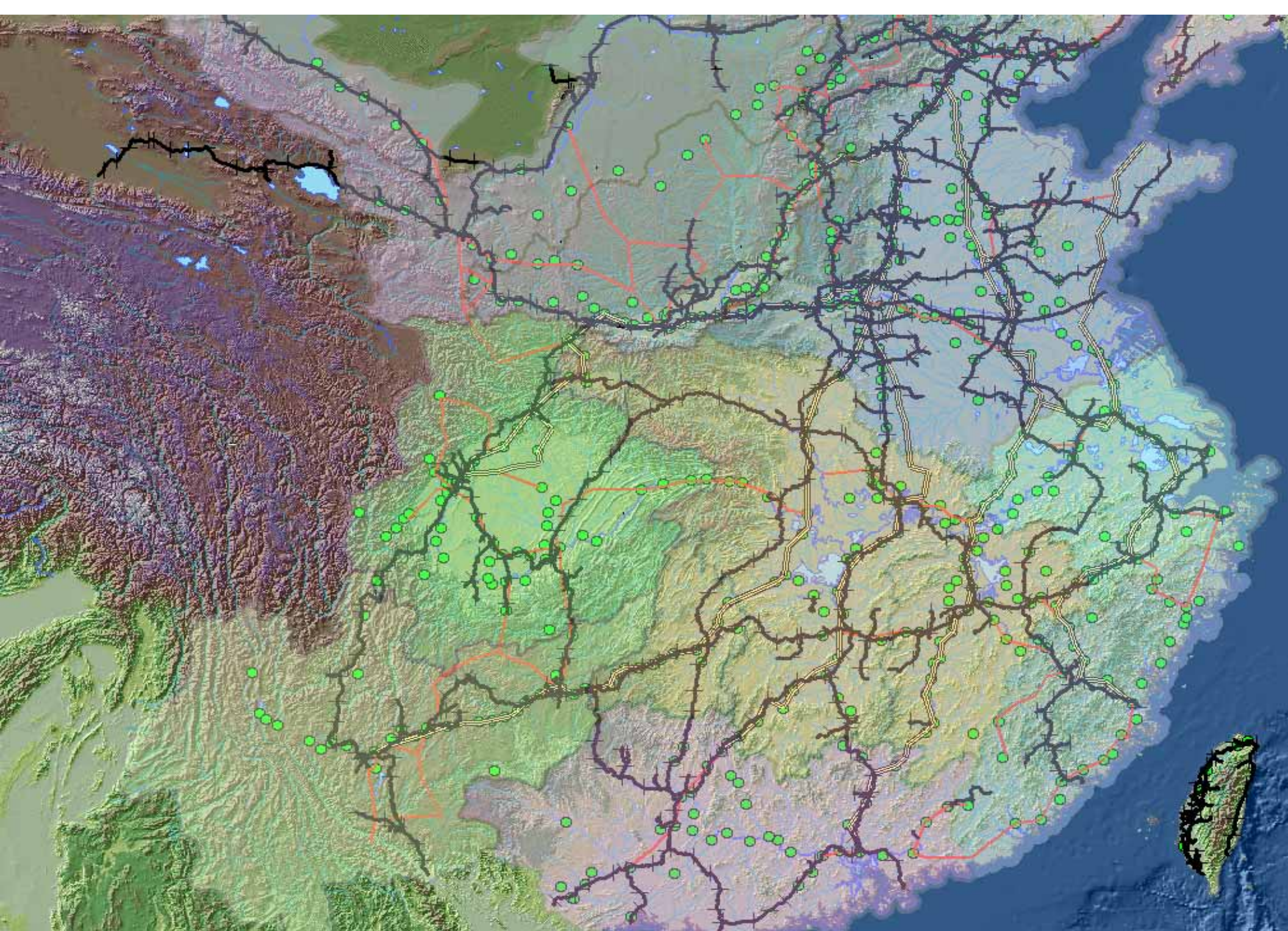


Thinking in administrative units – 1911 provinces, prefectures, counties (CHGIS)



1911 Provinces under G. William Skinner's physiographic macroregions



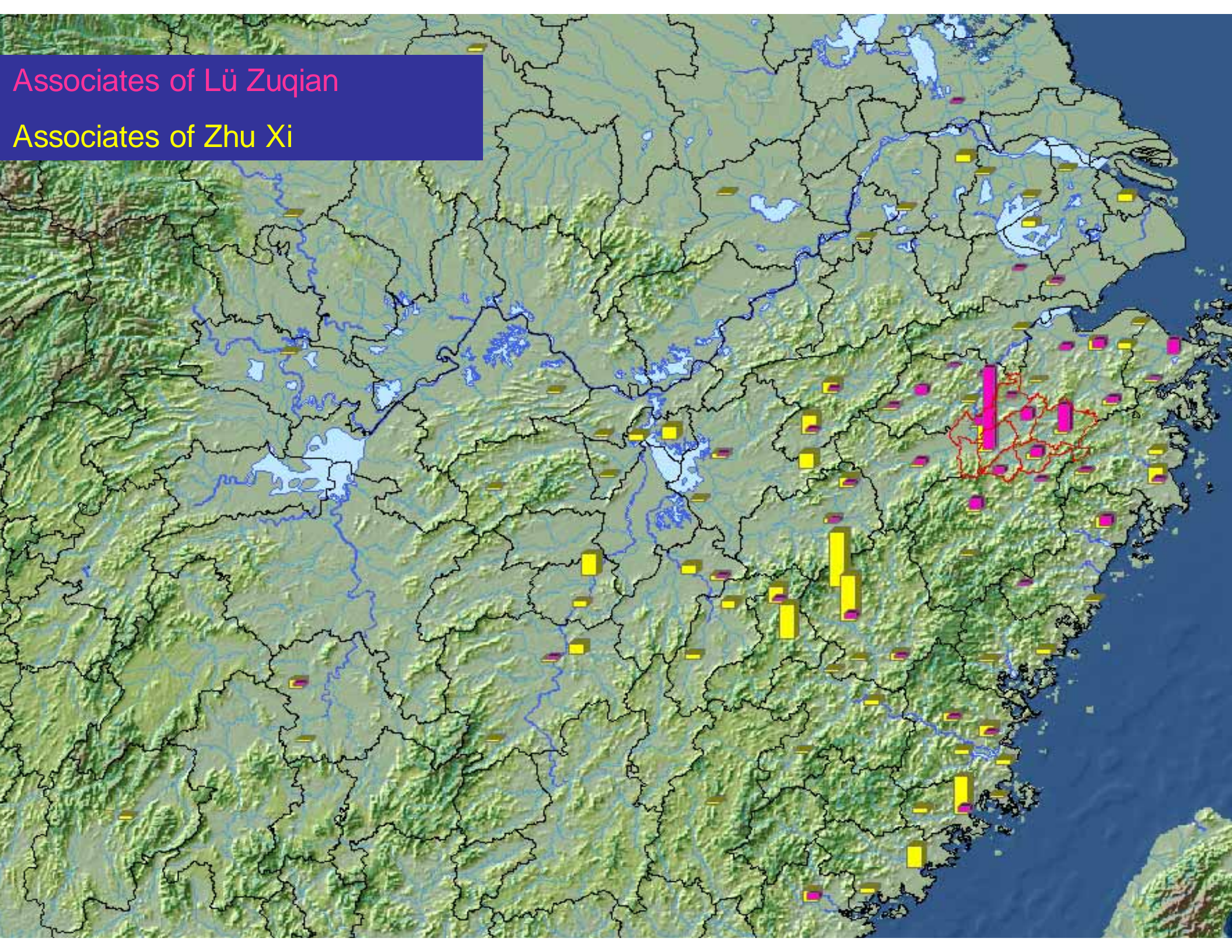


19th c. "Busy" counties (冲縣), Ming-Qing Postal Routes, 1990 Railroads

Using content systems and analytic tools in historical research

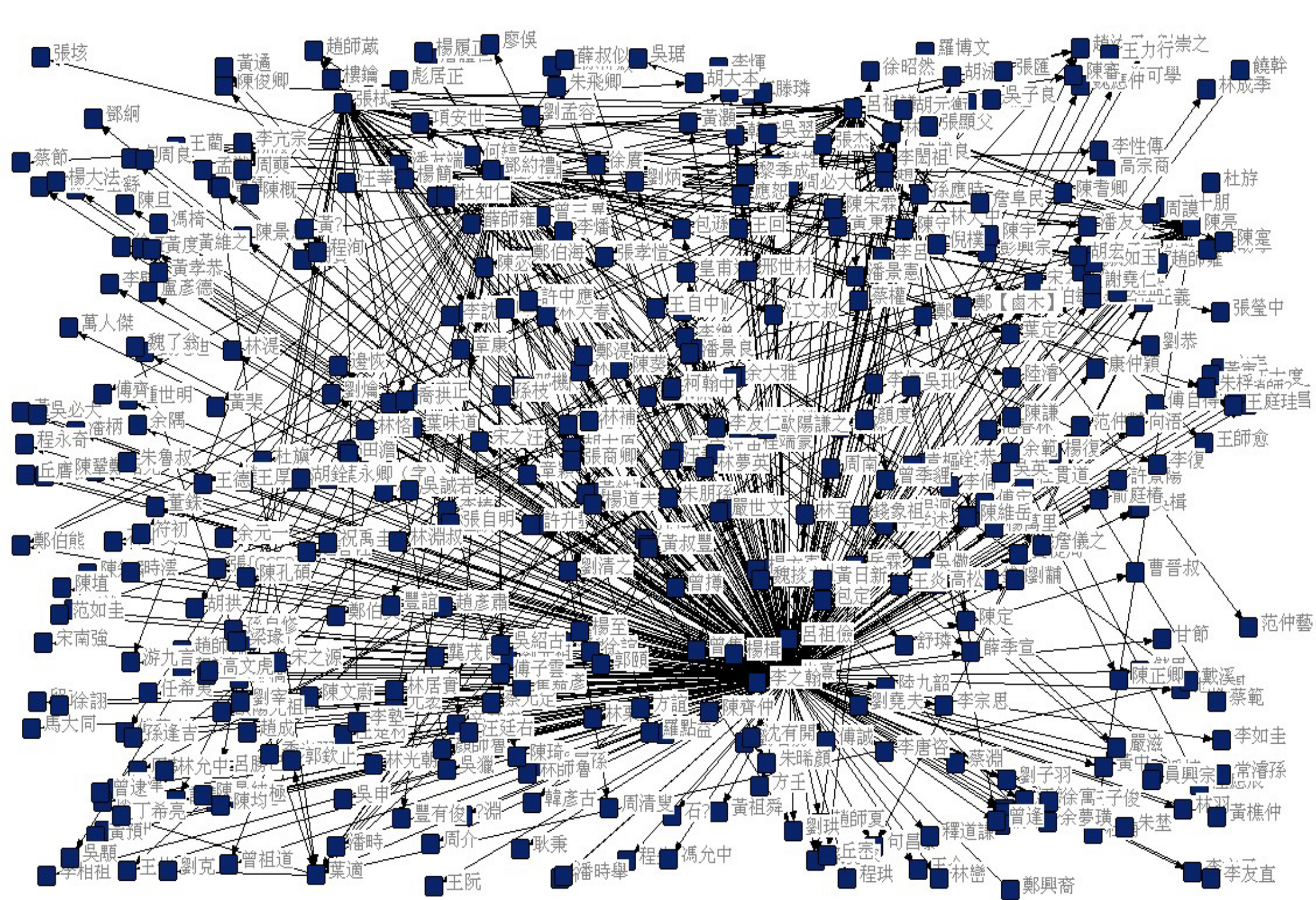
- Finding periods of heightened government attention
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- Networks of connections
- **distribution of social associations** 社會關係的分佈
- Scholarly letter exchanges 1150-1210
- Spread of Neo-Confucianism

Associates of Lü Zuqian
Associates of Zhu Xi

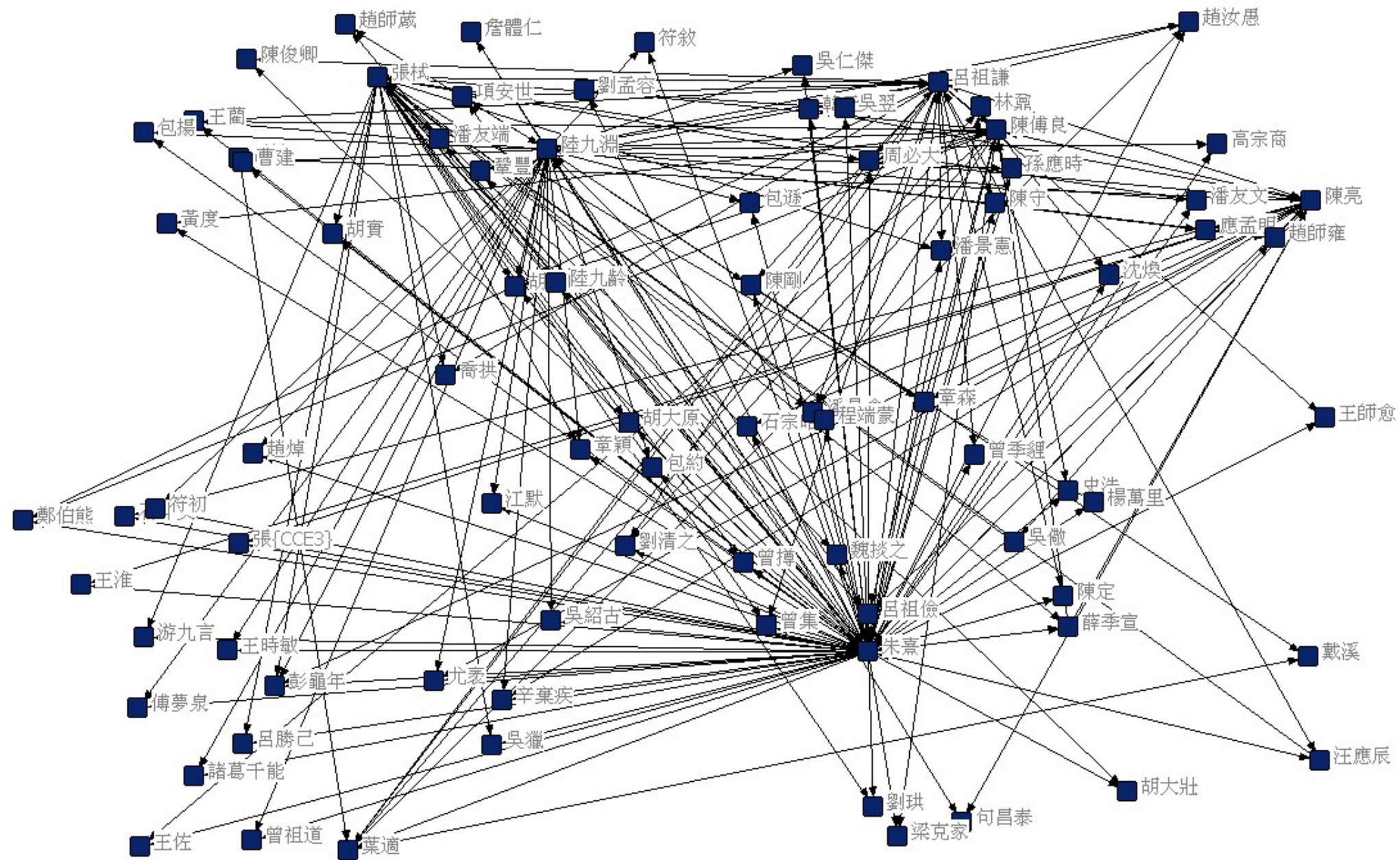


Using content systems and analytic tools in historical research

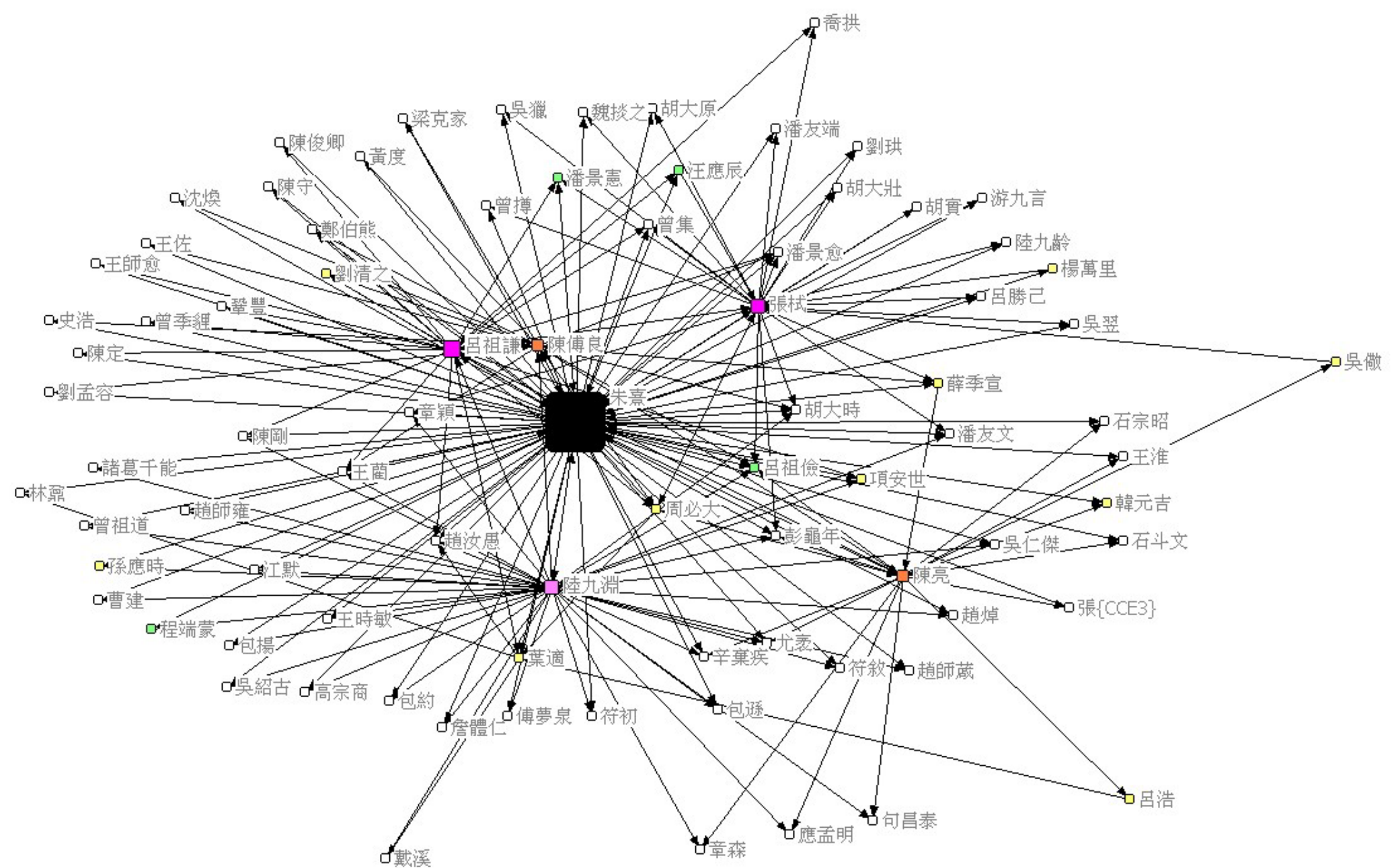
- Finding periods of heightened government attention
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- distribution of social associations
- Scholarly letter exchanges 學者書信 1150-1210
- Spread of Neo-Confucianism



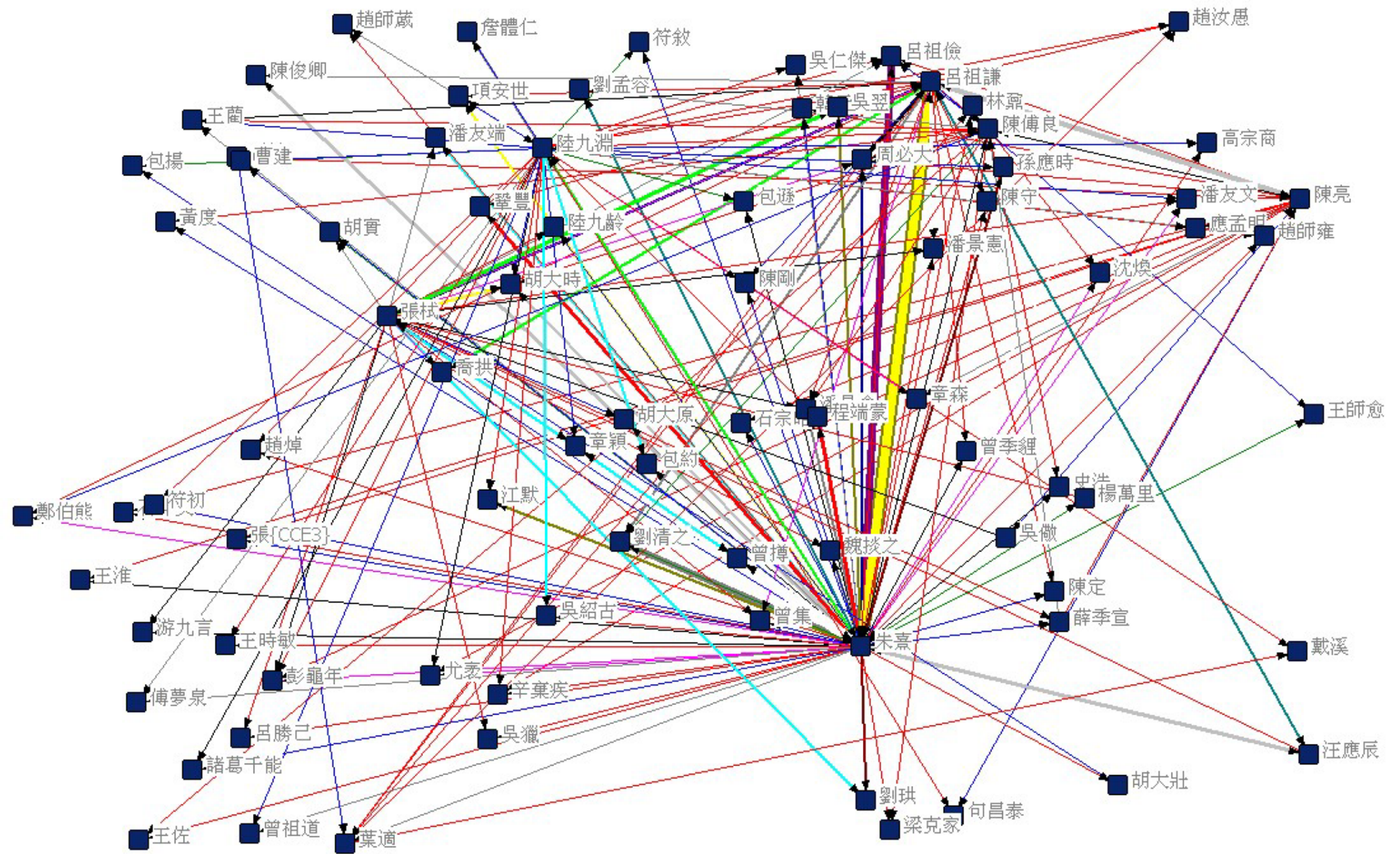
2717 letters from and to leading Neo-Confucians of Zhu Xi's generation; 453 persons



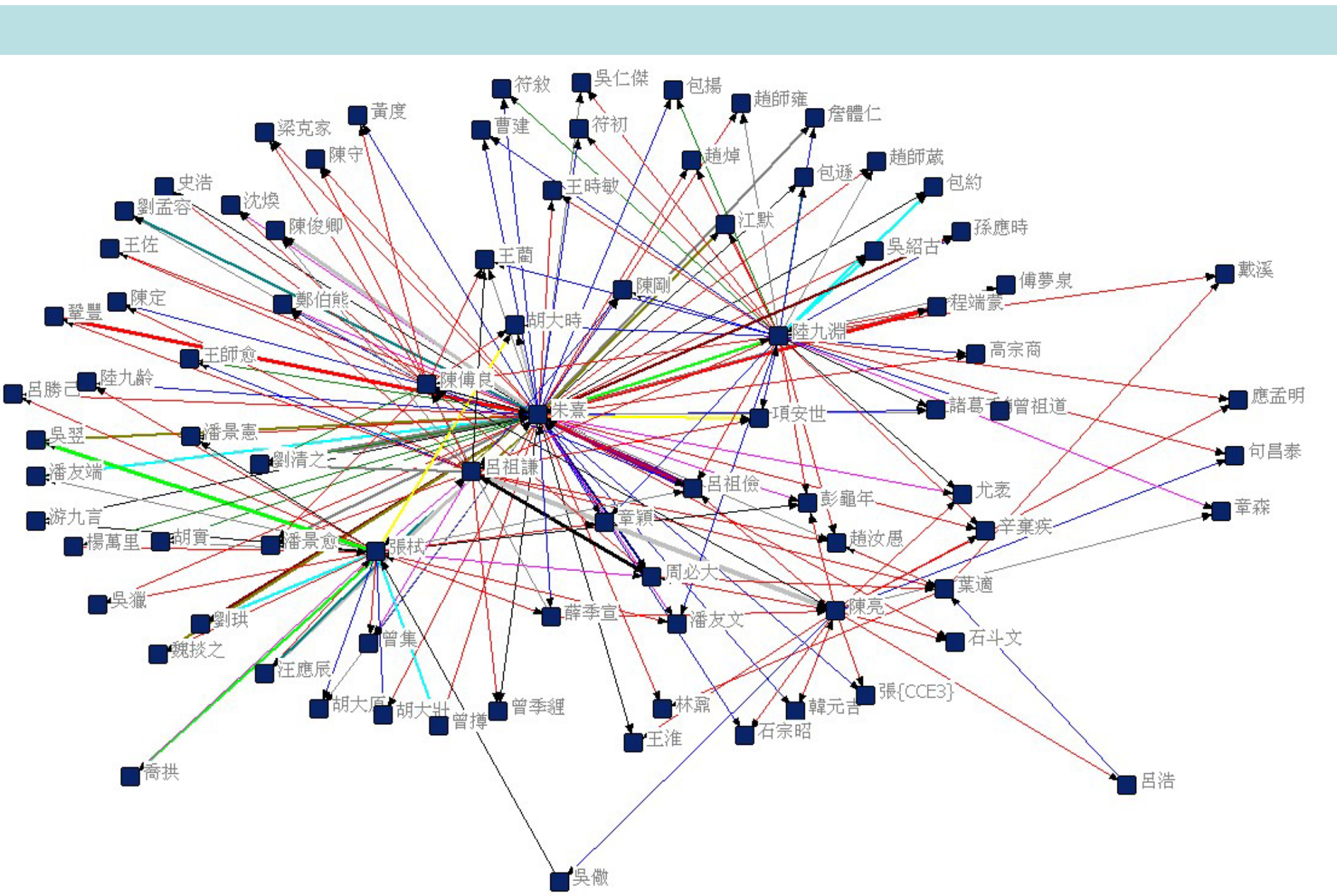
Showing only those who corresponded with at least two people in the dataset



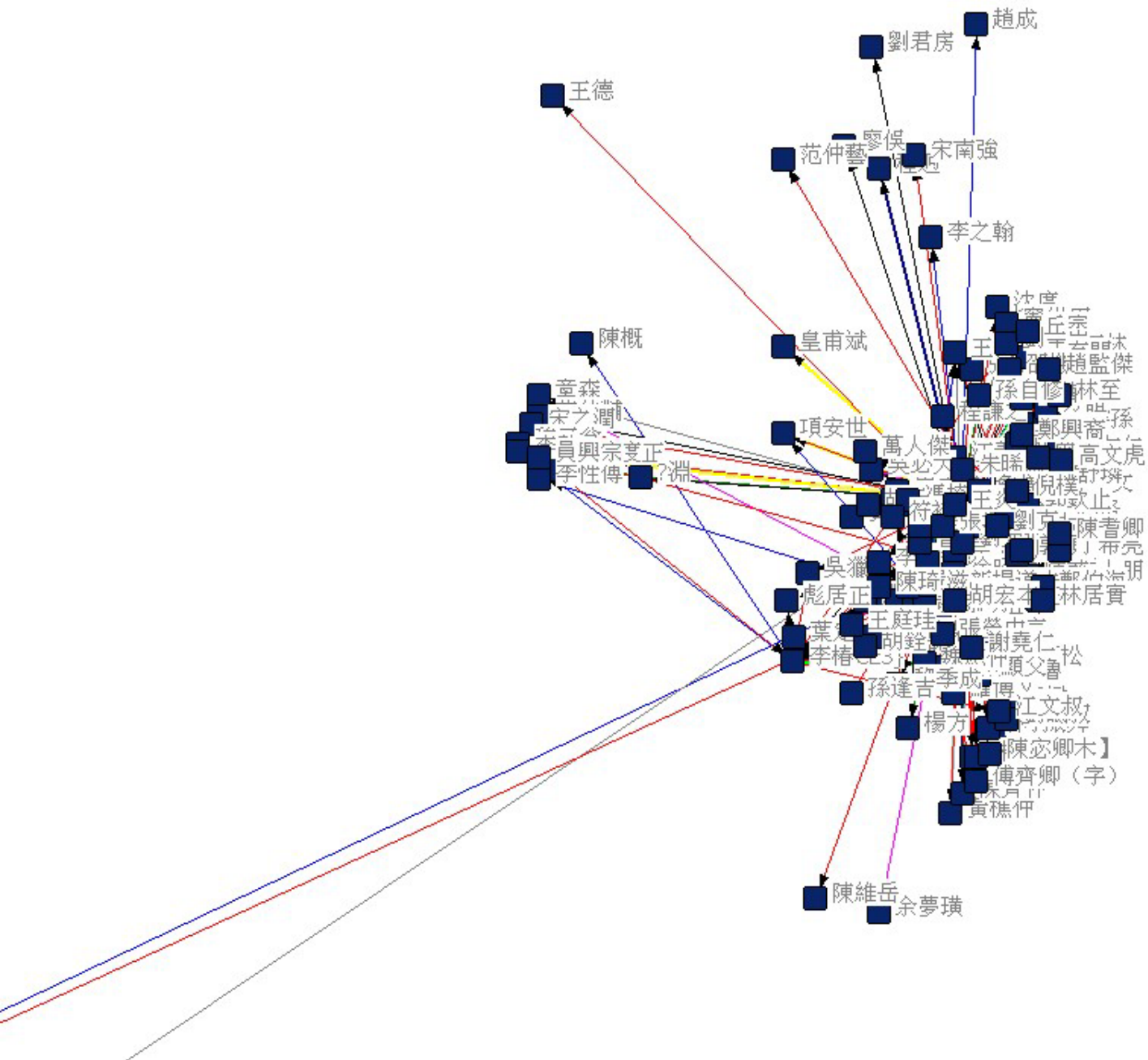
Node size reflects the relative number of letters written by an individual



Lines show by size and color the number of letters between two individuals

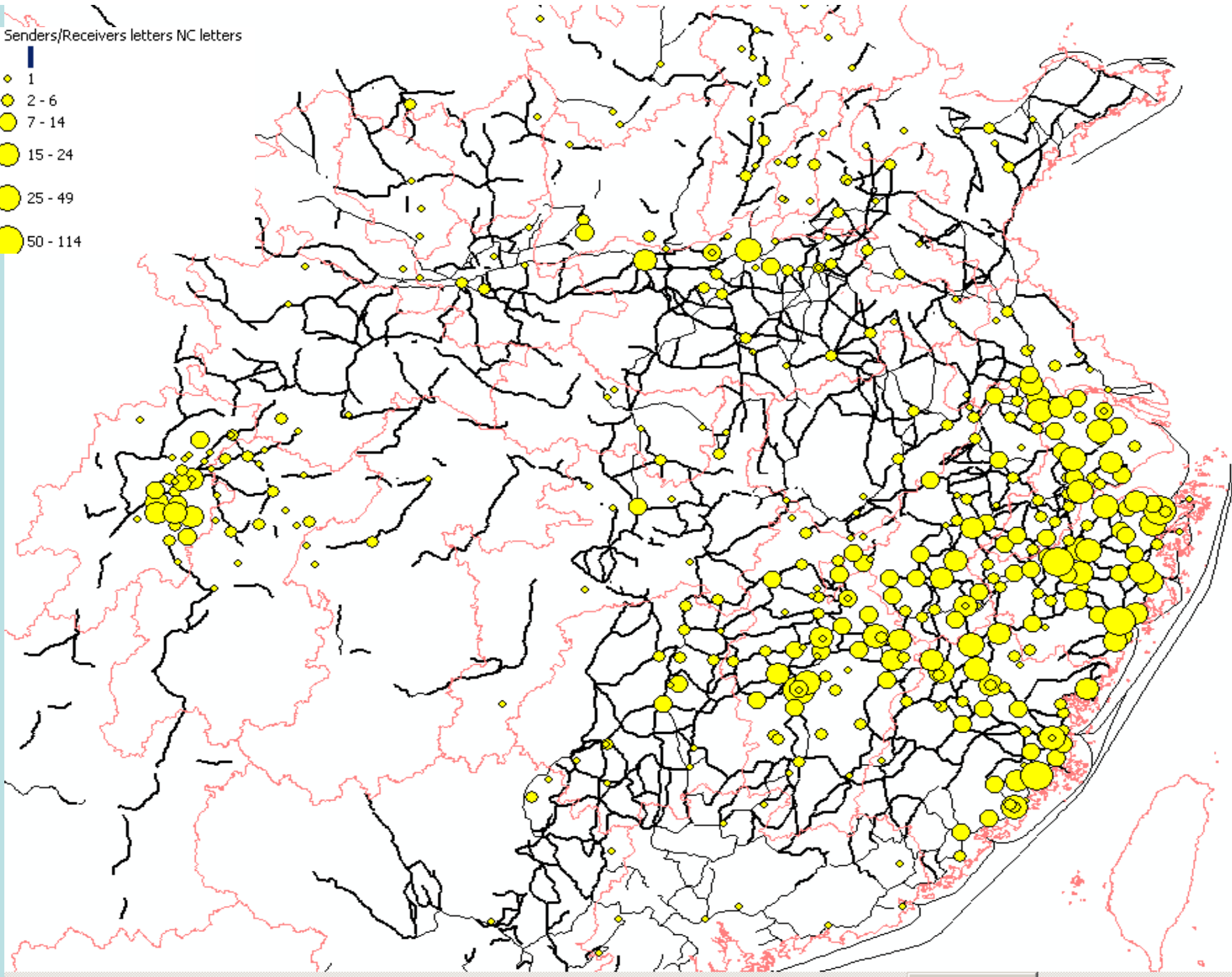
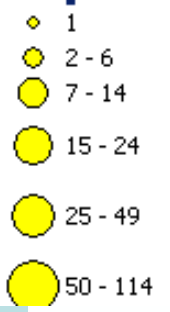


Lines show by size and color the number of letters between two individuals; node repulsion with equal edge length bias



Location based on coordinates; line thickness and color reflect the number of letters

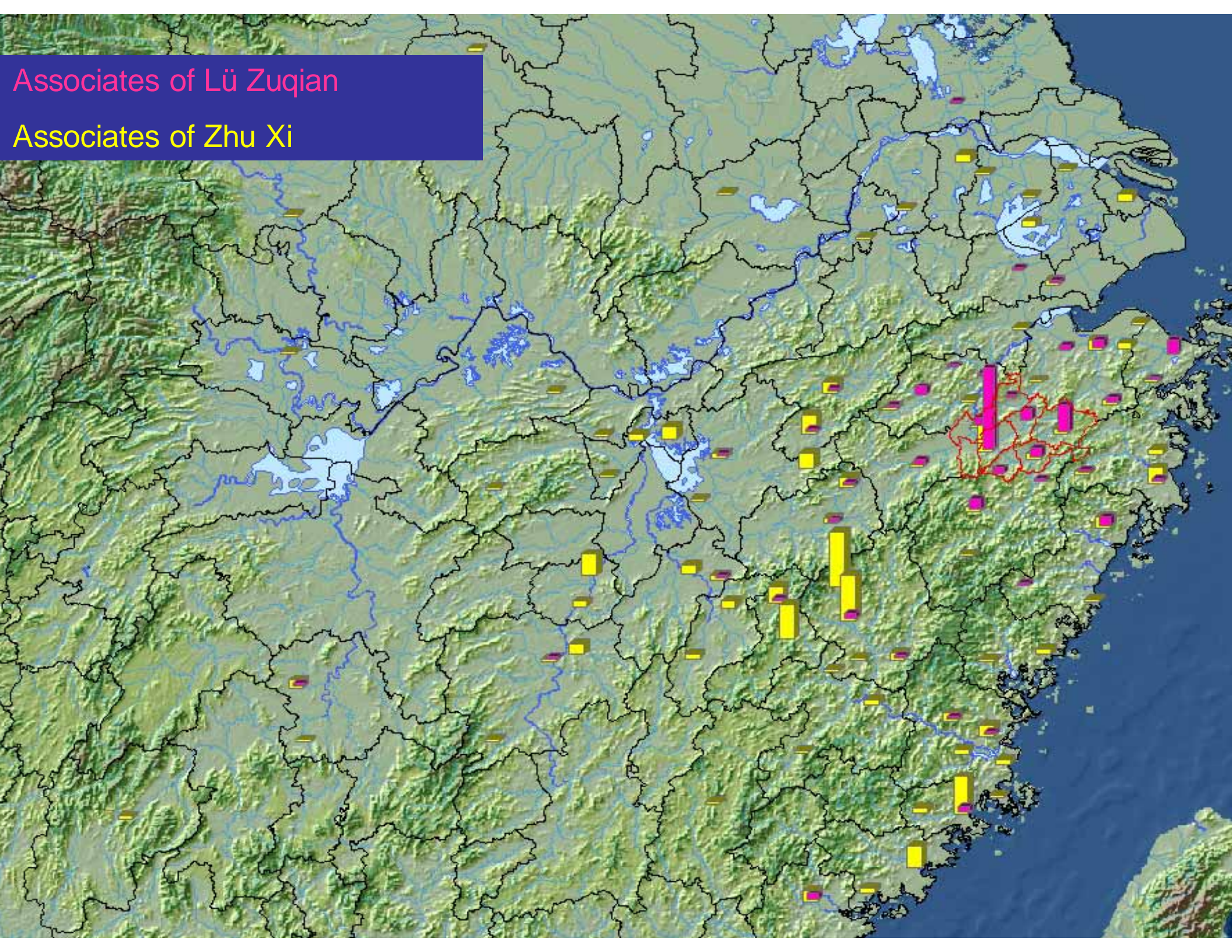
Senders/Receivers letters NC letters



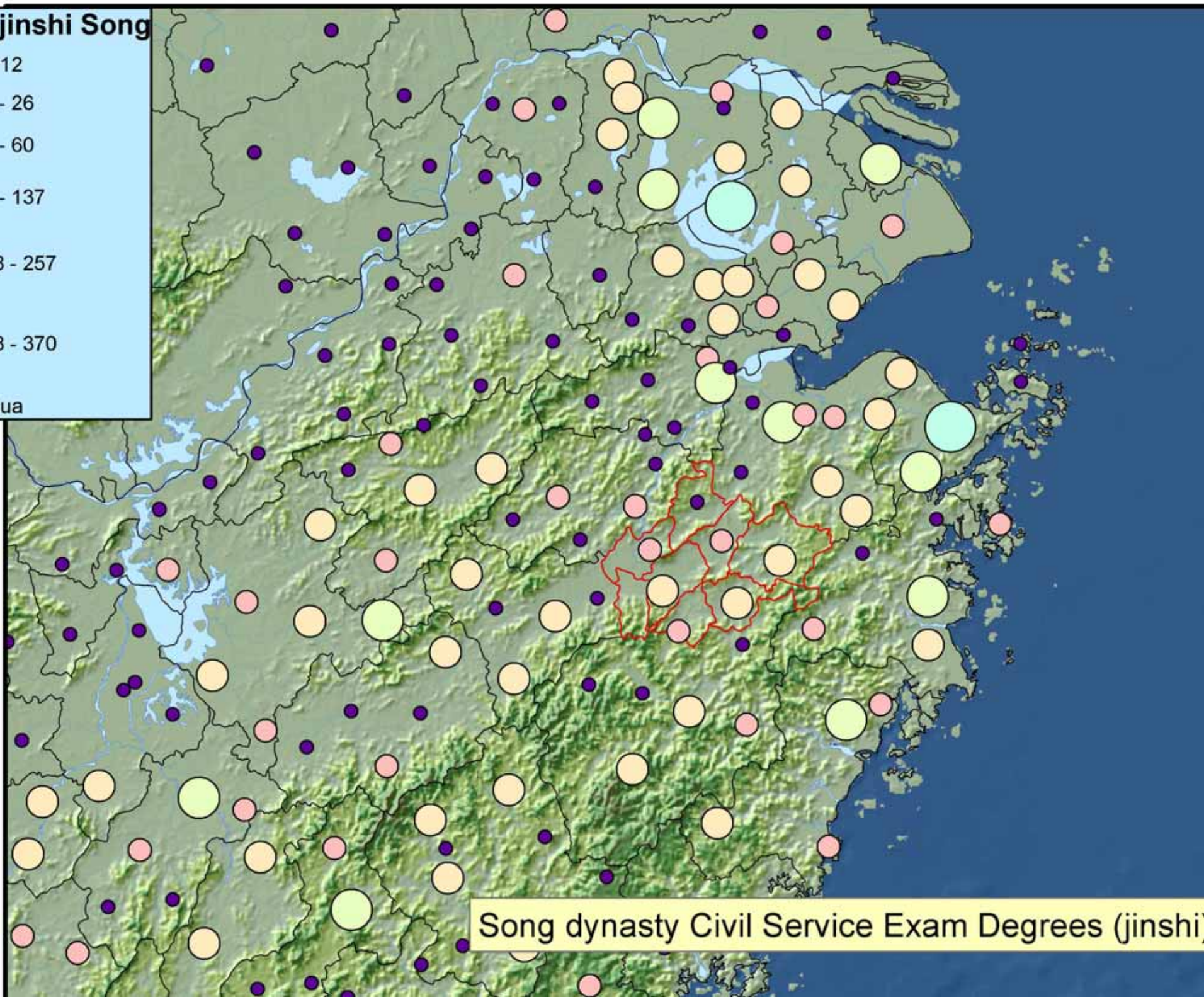
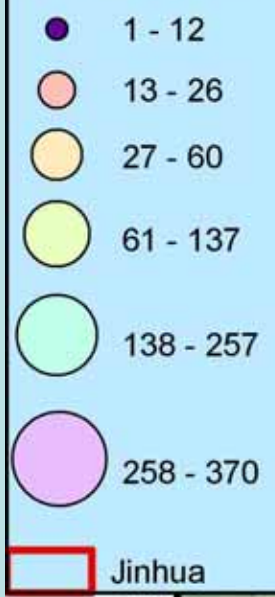
Using content systems and analytic tools in historical research

- Finding periods of heightened government attention
- Where local officials came from
- The distribution of jinshi
- Networks of connections
- distribution of social associations
- Scholarly letter exchanges 1150-1210
- Spread of Neo-Confucianism 宋明理學的傳播

Associates of Lü Zuqian
Associates of Zhu Xi

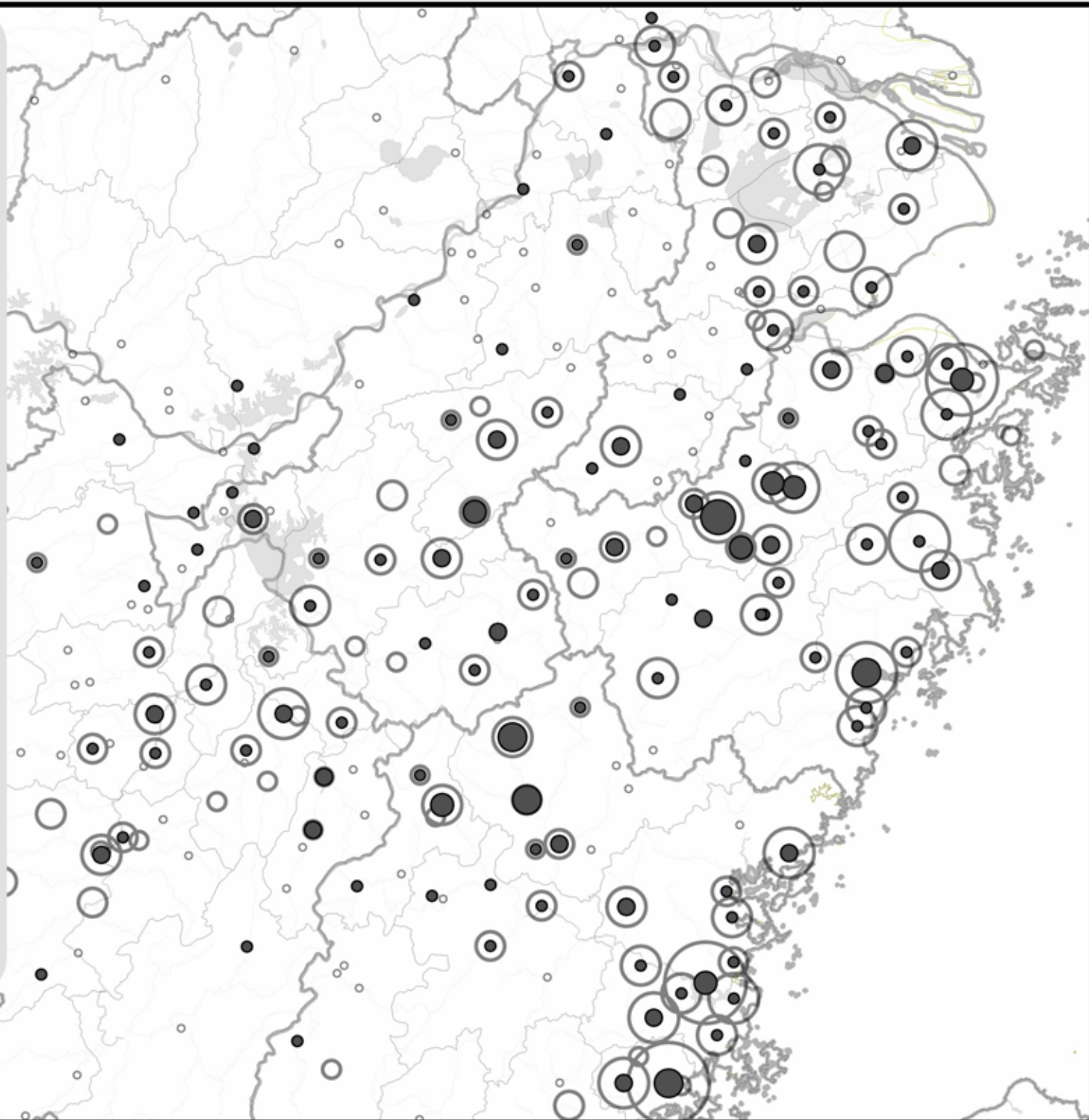
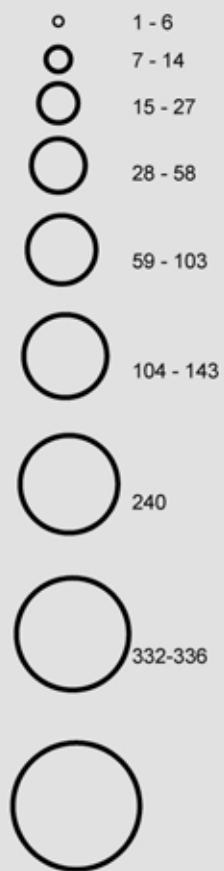


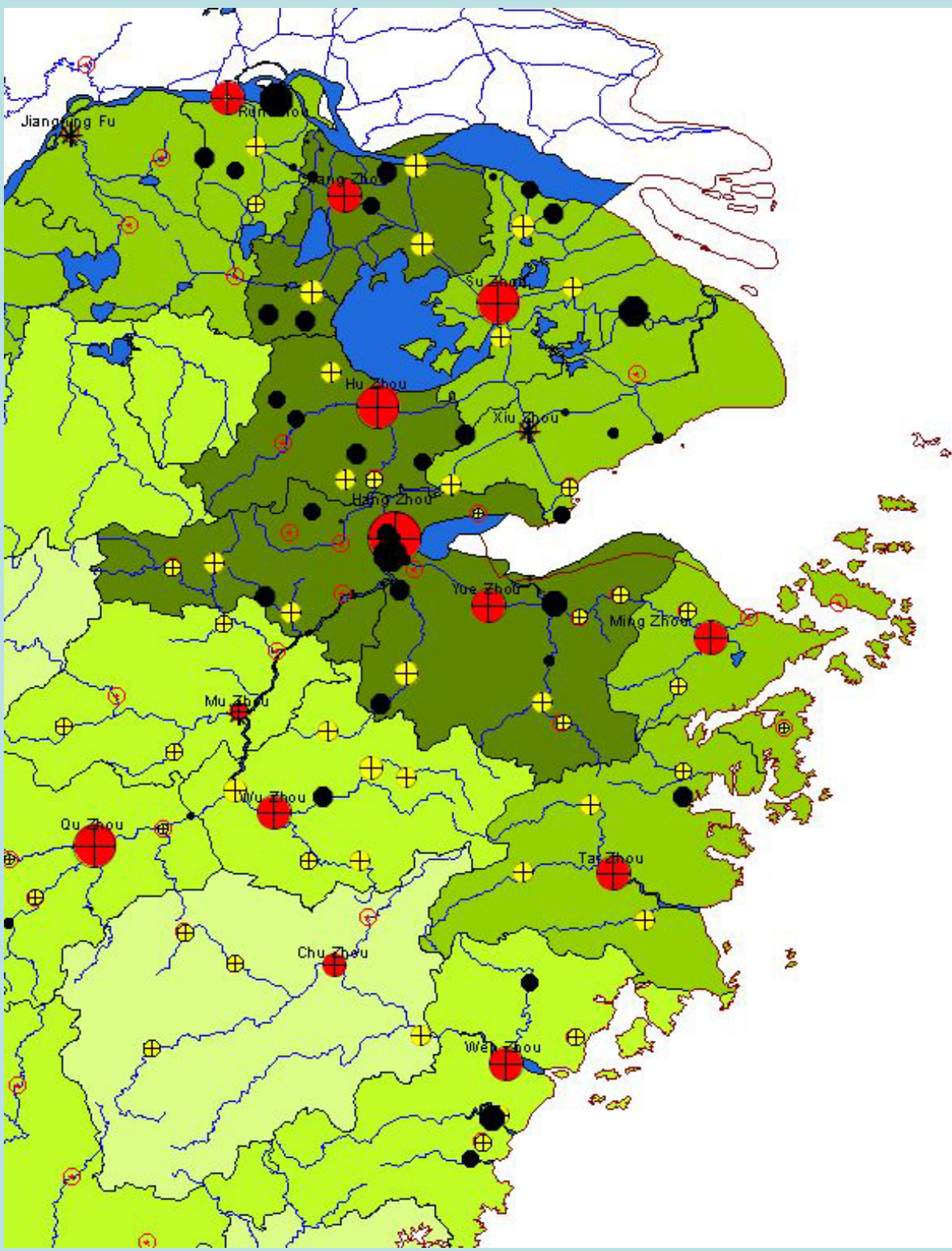
Jinhua jinshi Song



Song dynasty Civil Service Exam Degrees (jinshi)

**Associates of Zhu, Zhang, and Lv
Southern Song Jinshi in CBDB**





1077 Liangzhe Market Town Tax Quota

- 1 - 249
- 250 - 499
- 500 - 999
- 1000 - 1999
- 2000 - 3999
- 4000 - 7999
- 8000 - 15999
- 16000 - 31999

1077 Liangzhe County Tax Quota

- 1 - 249
- + 250 - 499
- ⊕ 500 - 999
- ⊕ 1000 - 1999
- ⊕ 2000 - 3999
- ⊕ 4000 - 7999
- ⊕ 8000 - 15999

1077 Liangzhe Prefectural Seat Tax Quota

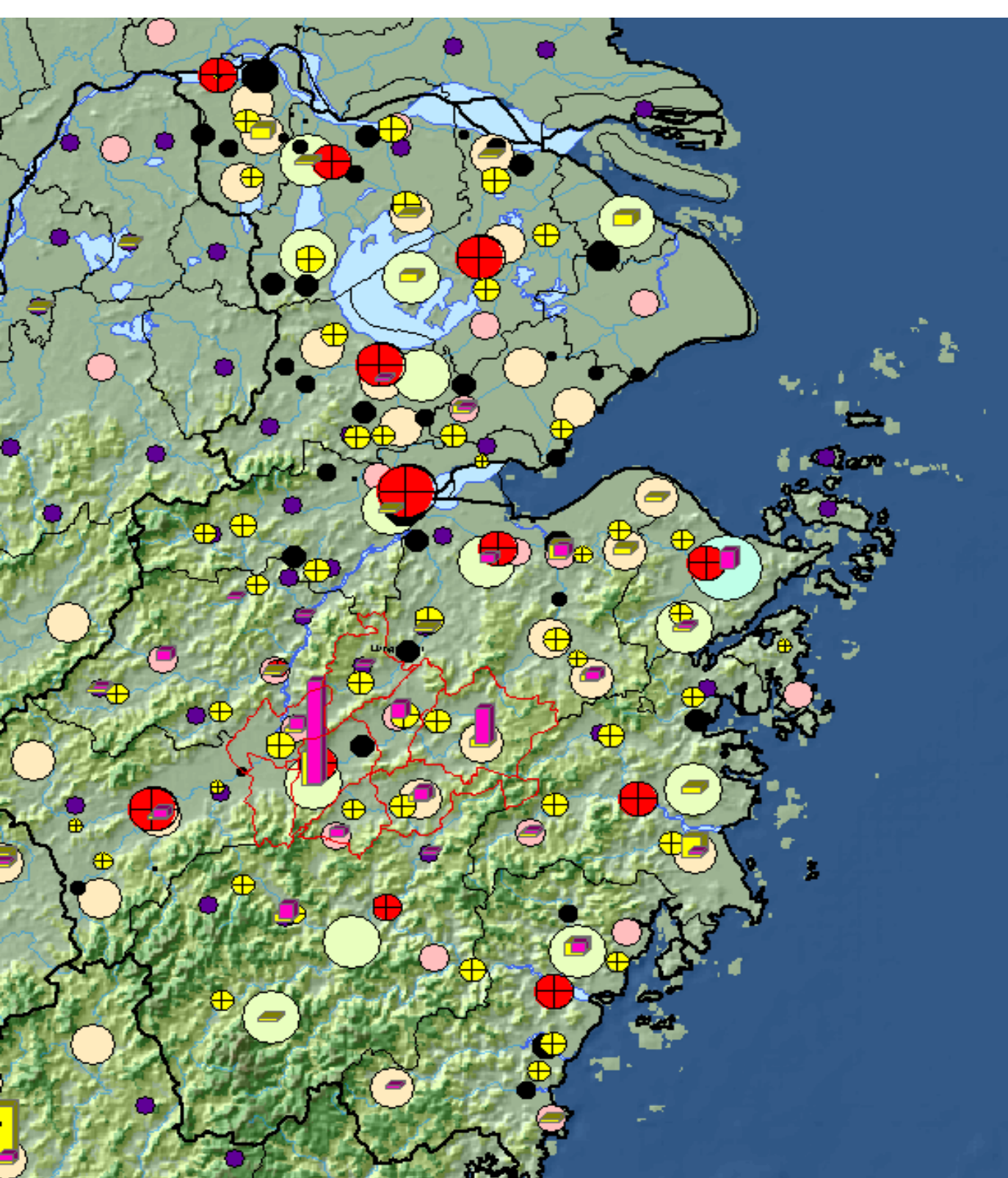
- ⊕ 4000 - 7999
- ⊕ 8000 - 15999
- ⊕ 16000 - 31999
- ⊕ 32000 - 63999
- ⊕ 64000 - 127999

- * 1077 Pref. seats without tax quotas
- ⊕ 1077 County seats without tax quotas

- Lakes and Inlets
- ~ Rivers
- ~ Coastline

1102 Population Density

- 0
- 0 - 9.425
- 9.425 - 14.578
- 14.578 - 20.251
- 20.251 - 28.034



Commercial Tax
Quotas

Civil Service
Exam degrees

Associates of
leading Neo-
Confucians