

HELP FILE: LOOK AT ASSOCIATION PAIRS

A. Data on Associations

1. Overview

The associations explored in Association Pairs are of two types—kinship and social relationship—and come in many varieties and degrees of complexity. CBDB accordingly has developed data structures flexible enough to record the most important components of these associations.

(a) Simple Non-kinship Associations

These have a three-part structure: person + association + associate. The major challenge in recording the non-kinship **Associations** that individuals formed over their lives is to control the proliferation of categories.

Because associations are between pairs of people, there must be symmetrical types of associations. That is, if {**A** “is the student of” **B**} is in the database, then {**B** “is the teacher of” **A**} also should be so. In fact, the current version of the program automatically generates this second entry. Thus associations *as an entity* (in contrast to any particular *instance* of the association between people) have an internal structure:

- Association type
- Paired Association type
- Description of the Association (Chinese and English)
- Association Categories/subcategories (3 levels at present)
- Roles in association (agent/recipient or mutual)

When one creates a new category of **Association**, one must also create its converse. Mutual associations, of course, are their own converse: {**A** “is friend of” **B**} is the same as {**B** “is friend of” **A**}. In most associations, however, the two people play distinct roles, and CBDB needs the converse category to capture the roles of the two people from their different perspectives: to record for **A** that {**A** “followed” **B**} also means that for **B**, {**B** “*was followed by*” **A**}. In this example, **A** is playing the active part of *agent* in creating the association (**B**, as *recipient*, may not even be aware of **A**’s presence among his/her followers): CBDB records this distinction and, when pruning records during searches in **LookAtNetworks**, chooses the record where the first person is the agent. Some associations are not dyadic because the relation is not to a person but to a more abstract or general object. The most important type of association of this type is the faction. Thus we have {**A** “is member of the purged Yuanyou group” \emptyset } (\emptyset here is the *Null* (Empty) element.) A few rare relations are **triadic**: {**A** “ordered” **B** “to execute” **C**}. CBDB has added a third field to capture such situations but does not yet process such triadic relations in its analytic routines.

(b) Mediated Associations

In some important cases, associations form through the mediation of institutions or people who can be either associates or kin. CBDB captures these types of relations by adding additional data to associations concerning the mediating institution or person. For example, we might know of a relation between X and Y because X asked Y to write a biography for his mother's tomb.

(c). Kinship Relations

The building-block relations used to describe kinship are 9 basic categories:

<i>e</i>	Ego (the person whose kinship is being explored)
F	Father
M	Mother
B	Brother
Z	Sister
S	Son
D	Daughter
H	Husband
W	Wife
C	Concubine

There are also variations on the nature of the relationship, as well as additional types of notation to represent types of kinship relations beyond the nuclear family:

+	Older (e.g. older brother B+, 兄)
-	Younger (e.g. younger sister Z-, 妹)
★	Adopted heir (as in S★, adopted son)
◦	Adopted
!	Bastard
^	Step- (as in S ^ step-son)
½	half- (as in Z½, half-sister)
~	Nominal (as in M~, legitimate wife as nominal mother to children of concubine)
%	Promised husband or wife (marriage not completed at time of record)
y	Youngest (e.g., Sy is the youngest known son)
1, 2, 3...	Numbers distinguish sequence (e.g., S1, S2 for first and second sons; W1, W2 for the first and the successor wives)
n	precise generation unknown
G-#, G+#	lineal ancestor (-) or descendant (+) of # generation
G-n, G+n, Gn	lineal kin of an unknown earlier generation (G-n), or unknown later generation (G+n), or unknown generation (Gn)
G-#B, BG+#	a brother of a lineal ancestor of # generation; a brother's lineal descendant of # generation
K, K-#, K+#, Kn	Lineage kin, of the same, earlier (-), later (+) or unknown (n) generation. CBDB uses "lineage kin" for cases where kinship is

	attested but the exact relationship is not known. Lineage kin are presumably not <i>lineal</i> (direct descent) kin.
K-, K+	Lineage kin of the same generation, younger (-) or elder (+).
P, P-#, P+ #, Pn	Kin related via father's sisters or mother's siblings, of the same, earlier (-), later (+) or unknown (n) generation. Signified by the term <i>biao</i> (表) in Chinese. (CBDB uses these codes only when the exact relationship is not known).
P-, P+	Kin related via father's sisters or mother's siblings, of the same generation, younger (-) or elder (+).
A	Affine/Affinal kin, kin by marriage

2. *Structure of an Association Record*

Because associations in pre-modern Chinese society often are complex, the table tracking associations in CBDB uses a correspondingly large number of fields:

BASIC INFORMATION FOR BOTH KINSHIP AND SOCIAL RELATIONS

1. Person
2. Associated person
3. The association
4. The number of objects or events establishing the association

KINSHIP AND OTHER RELATIONS THAT MAY PLAY A ROLE IN SOCIAL ASSOCIATIONS

5. The kinship relation, if the association was established through a relative of the person
6. The person whose kinship relation established the association
7. The kinship relation, if the association was established through a relative of the *associated* person
8. The kin of the associate through whom the association was established
9. The name of the person who claimed the existence of the association: for example, a son claiming it for his father

TIME AND PLACE OF THE ASSOCIATION

10. The place of the association
11. The sequence of an association, if one does not know the actual date
12. The date of the association (year, month, and day, if known)

CONTEXTUAL INFORMATION

13. The social institution at or through which the association was established
14. The occasion on which the association was established
15. The genre of the writing that establishes the association, if relevant
16. The title of the work that established the association, if relevant
17. The scholarly topic around which the association was formed

SOURCE AND NOTES

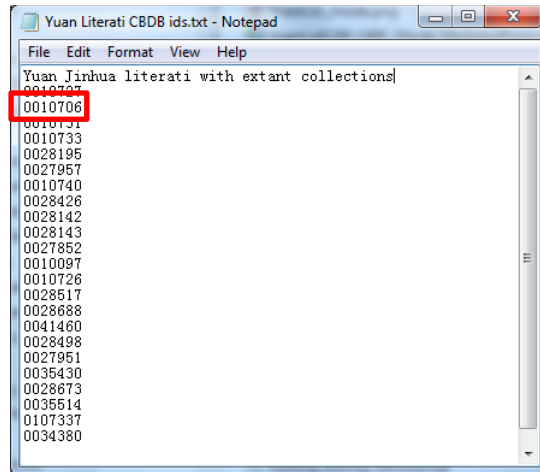
18. Source
19. Note

At times one wants to consider whether there were any social links between two individuals or among members of a group of people identified through criteria other than those of kinship or social network. One could use **LookAtNetworks** to generate the social network of one person and see at what point the other person or people appear as part of the network. However, the Access version of CBDB provides a tool, **LookAtAssociationPairs**, to directly examine if there were any people who connected the target individuals as intermediaries. The form discovers not only those intermediaries but also all the associations linking the intermediaries to one another.

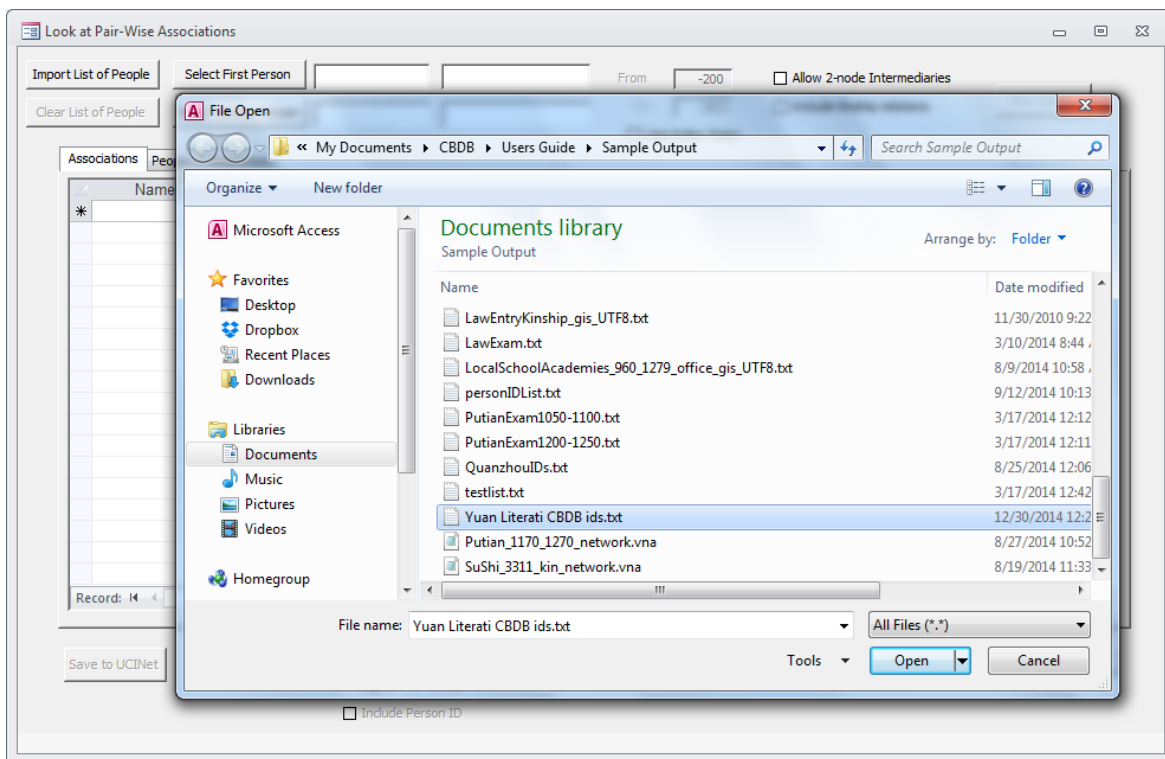
[illegible]

1. Import List of People Command Button

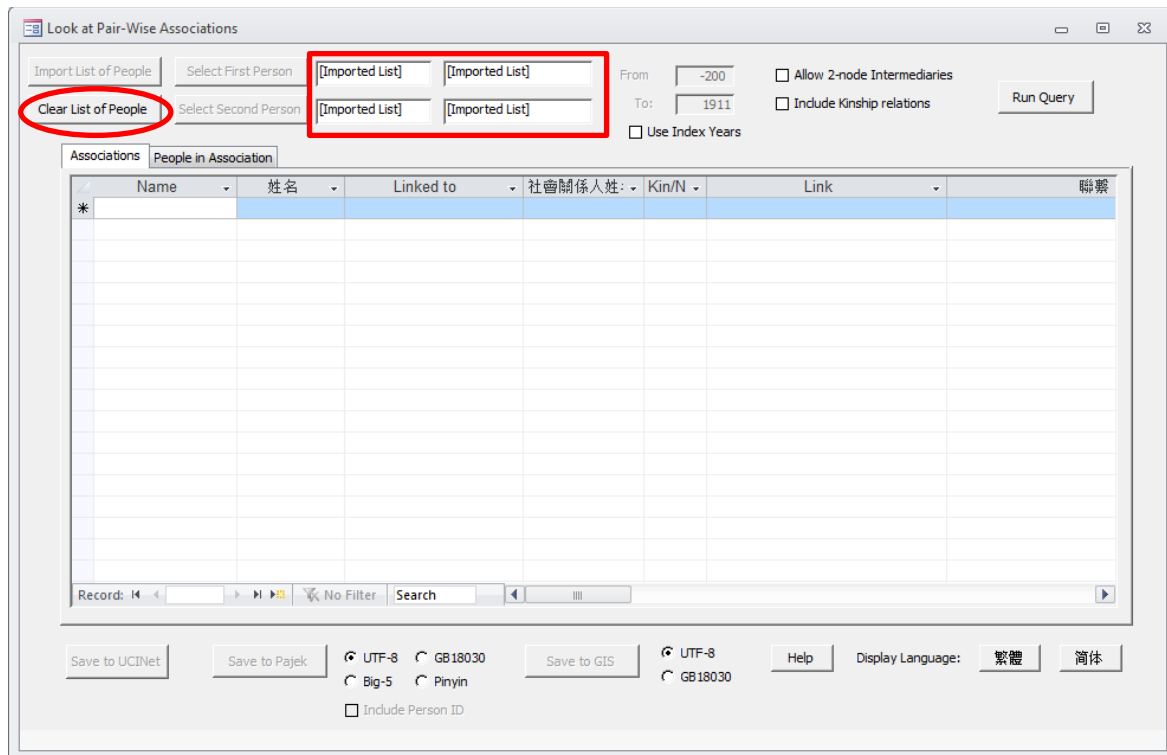
One very useful way to explore the degree of interconnection within a group of people identified through one of the other forms is to import that group of people into **LookAtAssociationPairs**. For example, one could start with people from Jinhua in Wuzhou during the Yuan dynasty who left literary collections. One creates a query through the Query Builder in Access to join people who have *wenji* who are from the Yuan with people who are from Jinhua. One can copy the results of the query to a **text** file (a .txt file can be created in Word or Excel) and edit the results:



Note that one can include a line with a label as well as other textual information: the program will simply ignore this line. One can use tabs or commas to delimit fields. The **one crucial datum** that CBDB extracts from each line is the Person ID which *must be the very first item of the line*. One clicks on the **Import People** command button and selects the file:



If **LookAtAssociationPairs** successfully reads the file, the form will look like:



The four boxes that give the selected people's name in *pinyin* and Chinese will state “[Imported List].”

2. *Clear List of People Command Box*

If one initially imported a group of people to explore but then wants to clear the list, one clicks on the **Clear List of People** command button.

3. *Select First Person Command Button*

If one wants to look at the people who mediate the associations between two particular people, rather than within a group, one selects the people by clicking on the **Select First Person** and **Select Second Person** command buttons. When one clicks on **Select First Person**, the form opens a list of people:

Person	Name	姓名	Index Year	Female	Ethnic	Bor	Rei	Yea	Range	Die	Rei
158551	Su Shaoru	蘇紹儒		No							
190596	Su Shaoru	蘇紹儒	851	No						851	
52932	Su Shaowei	蘇紹威		No							
158552	Su Shaoyuan	蘇紹元		No							
190597	Su Shaoyuan	蘇紹元	851	No						851	
7341	Su Shen	蘇紳	1049	No		0				0	
155849	Su Shen	蘇審	809	No							
158731	Su Shen	蘇深	795	No							
181578	Su Shen	蘇誠	747	No						747	
216554	Su Shen	蘇紳		No							
311178	Su Shen	蘇紳	1570	No							
318479	Su Shen	蘇深		No							
11806	Su Shen (2)	蘇誠	745	No		0				0	
36376	Su Shen (3)	蘇佚	1131	No		0				0	
24090	Su Sheng	蘇升	1176	No		1117	政和	7		0	
99229	Su Sheng	蘇鳳		No							
192955	Su Sheng	蘇鳳	836	No						836	
199158	Su Sheng	蘇盛	1495	No		1436	正統	1			
324830	Su Sheng	蘇盛		No							
25018	Su Sheng (2)	蘇壽	1132	No		0				0	
324214	Su Shengdong	甯升東	1591	No							
266197	Su Shengsan	蘇勝三		No							
3767	Su Shi	蘇軾	1095	No		1036	景祐	3		1101	建中
5020	Su Shi	蘇氏 (趙揚妻)	1097	Yes						1097	紹聖

Record: 185755 of 325090

Search: 姓名 Name Su Shi Search / 查詢

One can search for a person using either Chinese characters or *pinyin*. (Note that sometimes, for a search on a second use of the form, the form finds an unrelated person. It finds a correct person if one simply clicks **Search** again to reset the results.)

Once one has found the desired the person, one clicks on the **Select** command button.

4. Select Second Person Command Button

To select the second person, one repeats the process by clicking on the **Select Second Person** command button.

5. Selected People Text Boxes

The **LookAtAssociationPairs** form displays the names of the selected people in Chinese and *pinyin* (or “Imported List”) in these four text boxes. The user cannot directly type a person’s name into these boxes.

6. From & To Years Text Boxes

One uses these text boxes to fill in the beginning and ending years for the *index years* of people to be considered for the search. (See the discussion of index years below.)

7. Use Index Years Checkbox

A person’s *index year* is when the person would have turned 60 (Western years) or when the person died, if it is known and less than 60. In many cases, CBDB does not have information about birth year or death year and must generate estimated index years based on other criteria. (Please see the discussion of these criteria in the User’s Guide.) However, it remains the case that there are many people to whom CBDB was not able to give an index year. *These people cannot be included in any search that uses index years to filter the results.* Therefore it may prove useful

to perform a search once with the specified target years active and another with **Use Index Years** disabled.

For example, if one looks for one-node intermediaries between the Northern Song cultural figure Su Shi and his contemporary, the *Daoxue* scholar Cheng Yi without restricting the index year, one gets 211 associations in the network:

Look at Pair-Wise Associations

Import List of People Select First Person 蘇軾 Su Shi From -200 To 1911 ☐ Allow 2-node Intermediaries ☐ Include Kinship relations Run Query

Clear List of People Select Second Person 程頤 Cheng Yi ☐ Use Index Years

Associations People in Association

Name	姓名	Linked to	社會關係人姓	Kin/N	Link	聯
呂公著	呂公著	Sima Guang	司馬光	N	Friend of	友
Su Shi	蘇軾	Xie Jingwen	謝景溫	N	Impeached by	被Y彈劾
Su Shi	蘇軾	Xie Jingwen	謝景溫	N	Impeached by	被Y彈劾
Su Shi	蘇軾	Chao Yuezhi	晁說之	N	Recommended	推薦
Sima Guang	司馬光	Fan Zuyu	范祖禹	N	Recommended	推薦
Sima Guang	司馬光	Fan Zuyu	范祖禹	N	Recommended	推薦
Fan Zuyu	范祖禹	Yang Guobao	楊國寶	N	Recommended	推薦
Su Shi	蘇軾	Fan Zuyu	范祖禹	N	Recommended by	被Y推薦
Cheng Yi	程頤	Sima Guang	司馬光	N	Recommended by	被Y推薦
Cheng Yi	程頤	Sima Guang	司馬光	N	Recommended by	被Y推薦
Li Zhichun	李之純	Wen Yanbo	文彥博	N	Recommended by	被Y推薦
Chao Yuezhi	晁說之	Fan Zuyu	范祖禹	N	Recommended by	被Y推薦
Sima Guang	司馬光	Chao Yuezhi	晁說之	N	Praised or admired by	被Y欣賞/器重
Su Shi	蘇軾	Liu Tingshi	劉庭式	N	Praised or admired	欣賞/器重
Cheng Yi	程頤	Yang Guobao	楊國寶	N	Praised or admired	欣賞/器重
Cheng Yi	程頤	Liu Tingshi	劉庭式	N	Praised or admired	欣賞/器重
Su Shi	蘇軾	Li Zhichun	李之純	N	Supported by	得到Y的支持
Sima Guang	司馬光	Wen Yanbo	文彥博	N	Prefaced book by	為Y所著書作序

Record: 1 of 211

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☐ Include Person ID

If one restricts the index years to a range between 1050 and 1120, the number drops to 108:

Look at Pair-Wise Associations

Import List of People Select First Person 蘇軾 Su Shi From 1050 To 1120 ☐ Allow 2-node Intermediaries ☐ Include Kinship relations Run Query

Clear List of People Select Second Person 程頤 Cheng Yi ☒ Use Index Years

Associations People in Association

Name	姓名	Linked to	社會關係人姓	Kin/N	Link	聯
呂公著	呂公著	Sima Guang	司馬光	N	Friend of	友
Su Shi	蘇軾	Xie Jingwen	謝景溫	N	Impeached by	被Y彈劾
Su Shi	蘇軾	Xie Jingwen	謝景溫	N	Impeached by	被Y彈劾
Su Shi	蘇軾	Chao Yuezhi	晁說之	N	Recommended	推薦
Sima Guang	司馬光	Fan Zuyu	范祖禹	N	Recommended	推薦
Sima Guang	司馬光	Fan Zuyu	范祖禹	N	Recommended	推薦
Fan Zuyu	范祖禹	Yang Guobao	楊國寶	N	Recommended	推薦
Cheng Yi	程頤	Sima Guang	司馬光	N	Recommended by	被Y推薦
Cheng Yi	程頤	Sima Guang	司馬光	N	Recommended by	被Y推薦
Su Shi	蘇軾	Fan Zuyu	范祖禹	N	Recommended by	被Y推薦
Li Zhichun	李之純	Wen Yanbo	文彥博	N	Recommended by	被Y推薦
Chao Yuezhi	晁說之	Fan Zuyu	范祖禹	N	Recommended by	被Y推薦
Sima Guang	司馬光	Chao Yuezhi	晁說之	N	Praised or admired by	被Y欣賞/器重
Cheng Yi	程頤	Yang Guobao	楊國寶	N	Praised or admired	欣賞/器重
Su Shi	蘇軾	Li Zhichun	李之純	N	Supported by	得到Y的支持
Sima Guang	司馬光	Wen Yanbo	文彥博	N	Prefaced book by	為Y所著書作序
Fu Bi	富弼	Sima Guang	司馬光	N	Preface of book by	書序由Y所作
Fu Bi	富弼	Chao Yuezhi	晁說之	N	Preface of book by	書序由Y所作

Record: 1 of 108

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☐ Include Person ID

8. Allow 2-Node Intermediaries Check Box

Permitting the search for intermediaries to include not just those directly connected to the selected target people (i.e. A—X—B), but those that provided a connection at a two-node distance (i.e. A—X—Y—B) greatly increases the number of connections. Using the example of Su Shi and Cheng Yi with the index years restricted to 1050-1120, one finds 1268 associations in the network.

Look at Pair-Wise Associations

Import List of People | Select First Person | 蘇軾 | Su Shi | From: 1050 | ☒ Allow 2-node Intermediaries | Run Query

Clear List of People | Select Second Person | 程頤 | Cheng Yi | To: 1120 | ☐ Include Kinship relations

☒ Use Index Years

Name	姓名	Linked to	社會關係人姓	Kin/N	Link	聯
An Tao	安燾	Zhang Dun	章惇	N	Friend of	友
An Tao	安燾	Zhang Dun	章惇	N	Purged by	遭Y排擠
An Tao	安燾	Lai Zhishao	來之邵	N	Supported by	得到Y的支持
An Tao	安燾	Lai Zhishao	來之邵	N	Supported by	得到Y的支持
An Tao	安燾	Bi Zhongyou	畢仲游	N	Was sent letter by	被致書由Y
Chao Buzhi	晁補之	Chao Duanyan	晁端彥	N	Sacrificial prayer written for	為Y作祭文
Chao Buzhi	晁補之	Chao Duanyan	晁端彥	N	Sacrificial prayer written for	為Y作祭文
Chao Buzhi	晁補之	Fan Chuncui	范純粹	N	Composed Building inscription for	為Y之建築物題詠、並
Chao Buzhi	晁補之	Fan Chuncui	范純粹	N	Composed Building inscription for	為Y之建築物題詠、並
Chao Buzhi	晁補之	Ouyang Xiu	歐陽修	N	Sacrificial prayer written for	為Y作祭文
Chao Buzhi	晁補之	Bi Zhongyou	畢仲游	N	Was sent letter by	被致書由Y
Chao Buzhi	晁補之	Zeng Zhao	曾肇	N	Composed Building inscription for	為Y之建築物題詠、並
Chao Buzhi	晁補之	Huang Tingjian	黃庭堅	N	Epitaph written for	為Y作墓誌銘
Chao Buzhi	晁補之	Huang Tingjian	黃庭堅	N	Postface written for book by	為Y所著書作跋
Chao Buzhi	晁補之	Huang Tingjian	黃庭堅	N	Postface written for book by	為Y所著書作跋
Chao Buzhi	晁補之	Huang Tingjian	黃庭堅	N	Tongxue was	同學、同門
Chao Buzhi	晁補之	Huang Tingjian	黃庭堅	N	Sent letter to	致書Y
Chao Buzhi	晁補之	Huang Tingjian	黃庭堅	N	Was sent letter by	被致書由Y

Record: 1 of 1268

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☐ Include Person ID

To enable this search mode, one clicks on the **Allow 2-node Intermediaries** check box.

9. Include Kinship relations Check Box

Kinship networks can play an important and intersecting role with social networks in linking people to one another. Therefore it is important to be able to consider not just direct kinship ties linking people but also whether the kin of person A also served as a social associate of person B. This form allows one to explore precisely this possibility, at both the one-node and two-node distance. For one-node intermediaries there are four possible combinations of types associations (A-social-X-social-B, A-social-X-kin-B, A-kin-X-social-B, A-kin-X-kin-B), while for two-node intermediaries, there are eight.

For the example of Su Shi and Cheng Yi (one-node only, with index years restricted to 1050-1120), if one then includes kin of either Su Shi or Cheng Yi who have a social connection to the other, then one discovers only one additional connection but no additional people:

Look at Pair-Wise Associations

Import List of People | Select First Person | 蘇軾 | Su Shi | From: 1050 | To: 1120 | ☐ Allow 2-node intermediaries | ☒ Include Kinship relations | Run Query

Clear List of People | Select Second Person | 程頤 | Cheng Yi | ☒ Use Index Years

Associations | People in Association

Name	姓名	Linked to	社會關係人姓	Kin/N	Link	聯
Sima Guang	司馬光	Fan Zuyu	范祖禹	N	Sacrificial prayer written by	祭文由Y所作
Sima Guang	司馬光	Fan Zuyu	范祖禹	N	Sacrificial prayer written by	祭文由Y所作
Sima Guang	司馬光	Fan Zuyu	范祖禹	N	Invocation prayer written by	祝詞由Y所作
Sima Guang	司馬光	Wen Yanbo	文彥博	N	Ancestral stele or records written f	為Y作世系碑記
Lv Gongzhu	呂公著	Fan Zuyu	范祖禹	K	DH	女婿
Fu Bi	富弼	Wen Yanbo	文彥博	N	Served in the same bureau with	同僚
Wen Yanbo	文彥博	Fan Zuyu	范祖禹	N	Buddhist temple stele written by	佛寺記由Y所作
Fu Bi	富弼	Sima Guang	司馬光	N	Funerary stele seal done by	神道碑額篆由Y所作
Sima Guang	司馬光	Fan Zuyu	范祖禹	N	Co-authored book with	合撰(編)著作
Fu Bi	富弼	Wen Yanbo	文彥博	N	Member of same club (hui, she, et	同會
Sima Guang	司馬光	Wen Yanbo	文彥博	N	Member of same club (hui, she, et	同會
Su Shi	蘇軾	Wen Yanbo	文彥博	N	Wrote Study motto (zhaiming) for	為Y作齋、堂銘
Su Shi	蘇軾	Fu Bi	富弼	N	Wrote Funerary stele for	為Y作神道碑
Su Shi	蘇軾	Sima Guang	司馬光	N	Wrote Funerary stele for	為Y作神道碑
Su Shi	蘇軾	Sima Guang	司馬光	N	Wrote Biographical sketch (xingzh	為Y作行狀
Cheng Yi	程頤	Fu Bi	富弼	N	Sent letter to	致書Y
Cheng Yi	程頤	Xie Jingwen	謝景溫	N	Sent letter to	致書Y
Cheng Yi	程頤	Wen Yanbo	文彥博	N	Sent letter to	致書Y

Record 1 of 109 | No Filter | Search

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☐ Include Person ID

To enable the inclusion of kinship relations in the search, one click on the **Include Kinship relations** check box.

10. Run Query Command Button

When one has set all the desired constraints, one clicks on **Run Query** to perform the search.

11. Associations Table

(a) Overview

The search routine produces three different tables. The first is the **Social Network Relationship** table. This table lists all the relevant association records as they appear in the data source tables. If two people are linked by a variety of different associations, this table lists all of these associations as separate records. The next is **People in Social Network**, a table listing all the people involved in the associations listed in the **Social Network Relationship** table. Finally, there is **Aggregated Social Relations** table that groups the all the associations between each pair of people into a single record. (See the separate entry below for details.)

(b) Structure of the **Associations** Table

This table has thirty columns:

Basic Biographical Information:

- ID of Person
- Name of Person (*pinyin* and Chinese)
- Index Year of Person

Sex of Person

Address of Person (*pinyin* and Chinese)

Address Type (English and Chinese)

XY-Coordinates of Address

Node ID: ID of Associate

Node Name: Name of Associate (*pinyin* and Chinese)

Node Index Year: Index Year of Associate

Node Sex: Sex of Associate

Node Address: Address of Associate (*pinyin* and Chinese)

Node Address Type: Address Type of Associate Address (English and Chinese)

Node XY: XY-Coordinates of Associate Address

Information on the Association

Kinship/Non-kinship Association (**K** or **N**)

Association (English and Chinese)

Association Count (e.g., if X wrote Y ten letters with the same title, Count = 10)

Text Title (if an association is through a known text, CBDB gives the title)

Association Node Distance

Notes

Geographic Distance (great-circle arc distance in kilometers between the addresses)

(c) Sorting the Table

One can **sort** the table using any of these columns. “Name,” for example, may be useful. *Left-Click* on the small triangle (▼) on the right in the column name of the desired column and then choose the sorting option (either smallest to largest or largest to smallest):

Look at Pair-Wise Associations

Import List of People | Select First Person | 蘇軾 | Su Shi | From: -200 | ☐ Allow 2-node Intermediaries | Run Query

Clear List of People | Select Second Person | 程頤 | Cheng Yi | To: 1911 | ☐ Include Kinship relations

☐ Use Index Years

Associations | People in Association

Name	Address	Kin/N	Link	Association
Lv Gongzhu	司馬光	N	Friend of	友
Su Shi	謝景溫	N	Impeached by	被Y彈劾
Su Shi	謝景溫	N	Impeached by	被Y彈劾
Su Shi	晁說之	N	Recommended	推薦
Sima Guang	范祖禹	N	Recommended	推薦
Sima Guang	范祖禹	N	Recommended	推薦
Fan Zuyu	楊國寶	N	Recommended	推薦
Su Shi	范祖禹	N	Recommended by	被Y推薦
Cheng Yi	司馬光	N	Recommended by	被Y推薦
Cheng Yi	司馬光	N	Recommended by	被Y推薦
Li Zhichun	文彥博	N	Recommended by	被Y推薦
Chao Yuezhi	范祖禹	N	Recommended by	被Y推薦
Sima Guang	晁說之	N	Praised or admired by	被Y欣賞/器重
Su Shi	劉庭式	N	Praised or admired	欣賞/器重
Cheng Yi	楊國寶	N	Praised or admired	欣賞/器重
Cheng Yi	劉庭式	N	Praised or admired	欣賞/器重
Su Shi	蘇軾	N	Supported by	得到Y的支持
Sima Guang	司馬光	N	Prefaced book by	為Y所著書作序

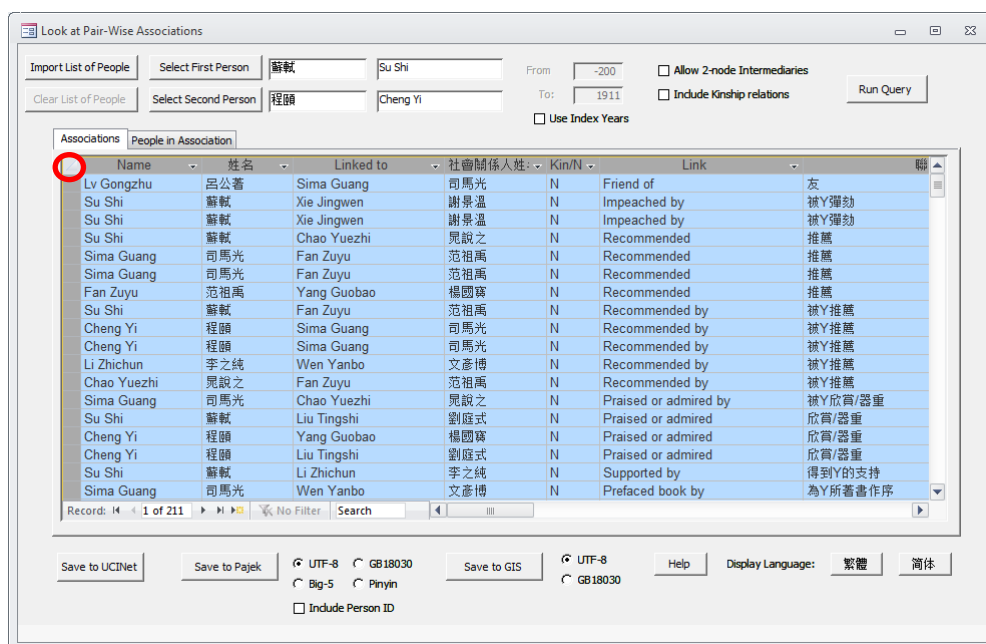
Record: 1 of 211 | No Filter | Search

Save to UCINET | Save to Pajek | UTF-8 | GB18030 | Save to GIS | UTF-8 | GB18030 | Help | Display Language: 繁體 | 簡體

☐ Include Person ID

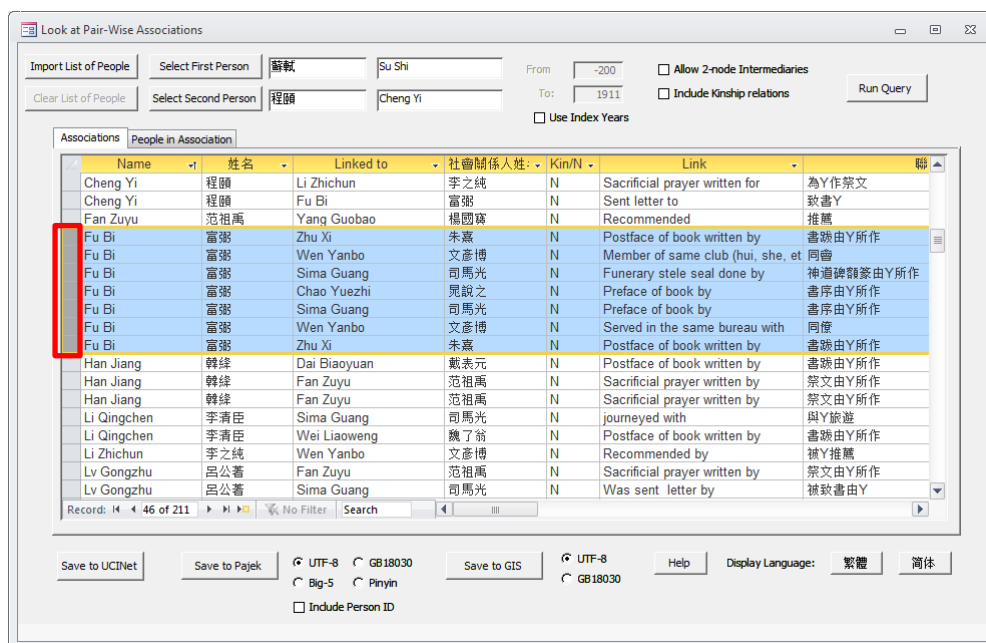
(d) Exporting the Search Results

If one wishes to export the results of a search, one can click on the square in the upper left-hand corner of the table to select all the records in the table:



One can then copy the table in the usual manner (**Ctrl-c**), open **Excel** (or any other compatible *spreadsheet* software) or create a new *text* file and open it with **Notepad** (or any preferred software) and paste the results (**Ctrl-v**).

One also can select a specific block of records to copy by left-clicking on the left-hand column of the table, holding the mouse-button down and dragging to copy the block. Here all the records with Fu Bi in the first column are selected:



Once one has selected the desired records, one can use **Ctrl-c** to copy and **Ctrl-v** to paste them into a text file, an Excel spreadsheet, or another compatible file.

12. People in Associations Table

(a) Overview

The **Associations** table lists 211 non-kinship relations among the one-node intermediaries between Su Shi and Cheng Yi when not filtered by index year.. The **People in Associations** table then lists the 20 people involved in these 211 associations:

Look at Pair-Wise Associations

Import List of People Select First Person 蘇軾 Su Shi From -200 Allow 2-node Intermediaries
 Clear List of People Select Second Person 程頤 Cheng Yi To: 1911 Include Kinship relations Run Query
☐ Use Index Years

Association: People in Association

Name	姓名	Female	Indr	AddrID	From	籍貫	X	Y	Persor	Node Dis	XY cc
Fu Bi	富弼	<input type="checkbox"/>	1063	12690	Wu Xian	吳縣	120.618622	31.31271	628	1	
Han Jiang	韓絳	<input type="checkbox"/>	1071	11032	Yongqiu	雍邱	114.76066	34.49547	636	1	
Xie Jingwen	謝景溫	<input type="checkbox"/>	1079	100679	Wujiang	吳江	120.637787	31.167065	728	1	
Li Qingchen	李清臣	<input type="checkbox"/>	1091	11725	Anyang	安陽	114.345497	36.098343	982	1	
Li Zhichun	李之純	<input type="checkbox"/>	1097	12466	Shanyang	山陽	119.141106	33.502789	1000	1	
Lv Gongzhu	呂公著	<input type="checkbox"/>	1077	100658	Kaifeng	開封	114.34333	34.785477	1314	1	
Sima Guang	司馬光	<input type="checkbox"/>	1078	11938	Xia Xian	夏縣	111.220055	35.137451	1488	1	
Wen Yanbo	文彥博	<input type="checkbox"/>	1065	12299	Jiexiu	介休	111.912163	37.026474	1953	1	
Chao Yuezhi	晁說之	<input type="checkbox"/>	1118	12829	Shangyuan	上元	118.76899	32.052563	3029	1	
Cheng Yi	程頤	<input type="checkbox"/>	1092	100409	Luoyang	洛陽	112.38263	34.665276	3105	0	
Zhu Xi	朱熹	<input type="checkbox"/>	1189	101125	Jian Zhou	建州	118.323784	27.0388641	3257	1	
Su Shi	蘇軾	<input type="checkbox"/>	1095	13305	Meishan	眉山	103.831459	30.050497	3767	0	
Wei Liaoweng	魏了翁	<input type="checkbox"/>	1237	13363	Pujiang	蒲江	103.502586	30.214197	4001	1	
Fan Zuyi	范祖禹	<input type="checkbox"/>	1098	13292	Huayang	華陽	104.077995	30.650385	7026	1	
Yang Guobao	楊國寶	<input type="checkbox"/>	1097	100494	Guancheng	管城	113.641312	34.758076	7098	1	
Wu Cheng	吳澄	<input type="checkbox"/>	1308	18539	Chongren	崇仁	116.061584	27.75564	10084	1	
Zhu Changwen	朱長文	<input type="checkbox"/>	1098	12690	Wu Xian	吳縣	120.618622	31.31271	11316	1	
Chen Zaozi	陳造	<input type="checkbox"/>	1192	100637	Gaoyou	高郵	119.437332	32.79071	15459	1	

Record: 1 of 20 No Filter Search

Save to UCINET Save to Pajek UTF-8 GB18030 Save to GIS UTF-8 GB18030 Help Display Language: 繁體 简体
☐ Big-5 ☐ Pinyin ☐ Include Person ID

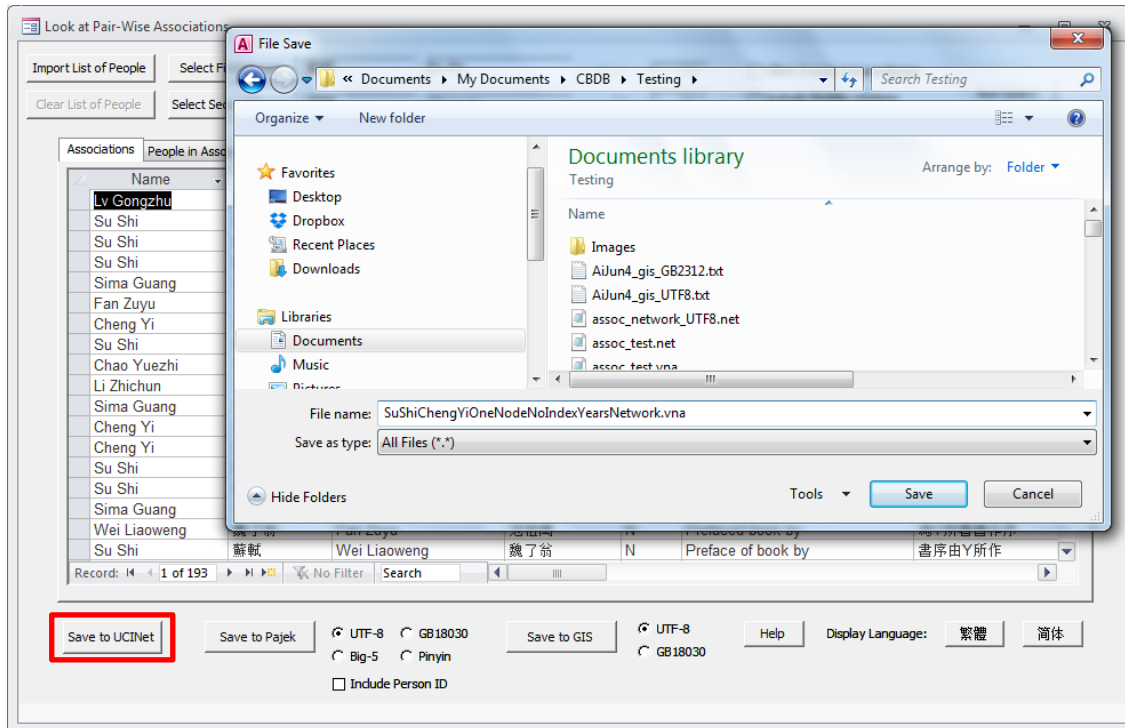
(b) Structure of the Table

People in Associations has fourteen columns:

- Name (*pinyin* and Chinese)
- Female (a checkbox)
- Index Year
- Address ID
- Address (*pinyin* and Chinese)
- XY-Coordinates of Address
- ID
- Node distance (from the initially selected person or persons)
- XY Count: the number of people sharing the same XY coordinates
- Address Type (English and Chinese)

13. Save to UCINet Command Button

LookAtAssociationPairs provides ways to output the results of a query to two different SNA programs: **UCINet** and **Pajek**. UCINet is one of the most widely used format for social network analysis (SNA) programs. The procedure for saving the network relations for a person in UCINet form is to click on the **Save to UCINet** button opens a Windows “File Save” window:



One selects the location and provides a file name (the default extension is **.vna**) and clicks on the Save button. For UCINet, CBDB provides the following information:

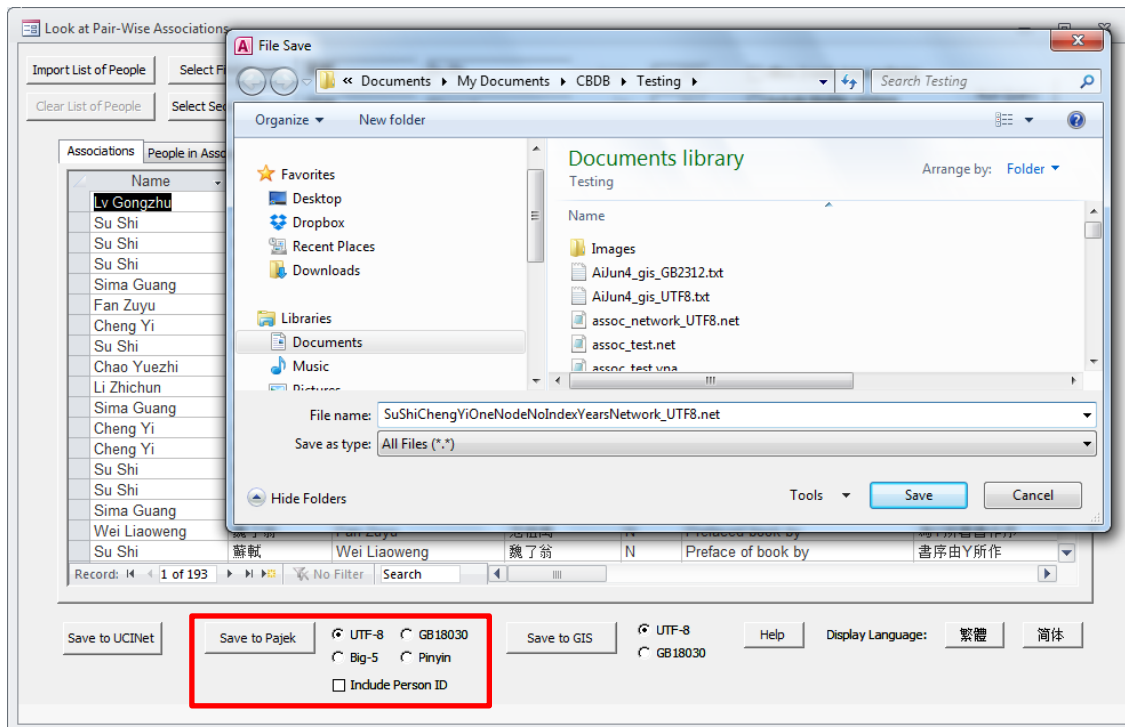
- For nodes (people)
 - CBDB Person ID
 - Name in *pinyin*
 - Index year
 - Sex
 - Node distance from target person
 - XY coordinates
 - Node color (based on node distance)
- For edges (the association relationship)
 - Association code (K+code or N+code)

The default display for nodes in the SNA output files (and for edges in Pajek and Guess) uses color-coding to indicate degree of distance from the target person:

- White = the target node (the UCINet files set these to Black)
- Blue = nodes at a summed distance of 1
- Green = nodes at a summed distance of 2

14. Save to Pajek Command Button

Pajek (along with UCInet) is perhaps the most broadly used SNA file format. CBDB allows files for Pajek to be saved in different text encodings to enable the use of Chinese characters. Depending on whether the user is in a Chinese Windows environment or an English will determine whether to use GB18030 (Chinese) or UTF-8 (English) encoding for the Chinese characters. As noted above, there also is an option to include the *Person ID* with the node information in the Pajek files. Once the user has selected the appropriate options and clicks on **Save to Pajek**, a window will open for the user to choose the name and location of the Pajek file. The default extension is “.net:”



The information saved in a Pajek file is more limited than for UCInet:

For the nodes (people)

Name in Chinese **or** *pinyin*, depending on one's selection

Node color based on node distance from target person

CBDB Person ID, if selected

For the edges (relationships)

Association

Edge color based on edge distance from target person (or people)

15. Include Person ID Checkbox

Because a person's name may not be a unique identifier in the SNA output files, CBDB allows the user to include the CBDB person ID in the label of the nodes as well as the name.

Checking the **Include Person ID** Checkbox enables this function

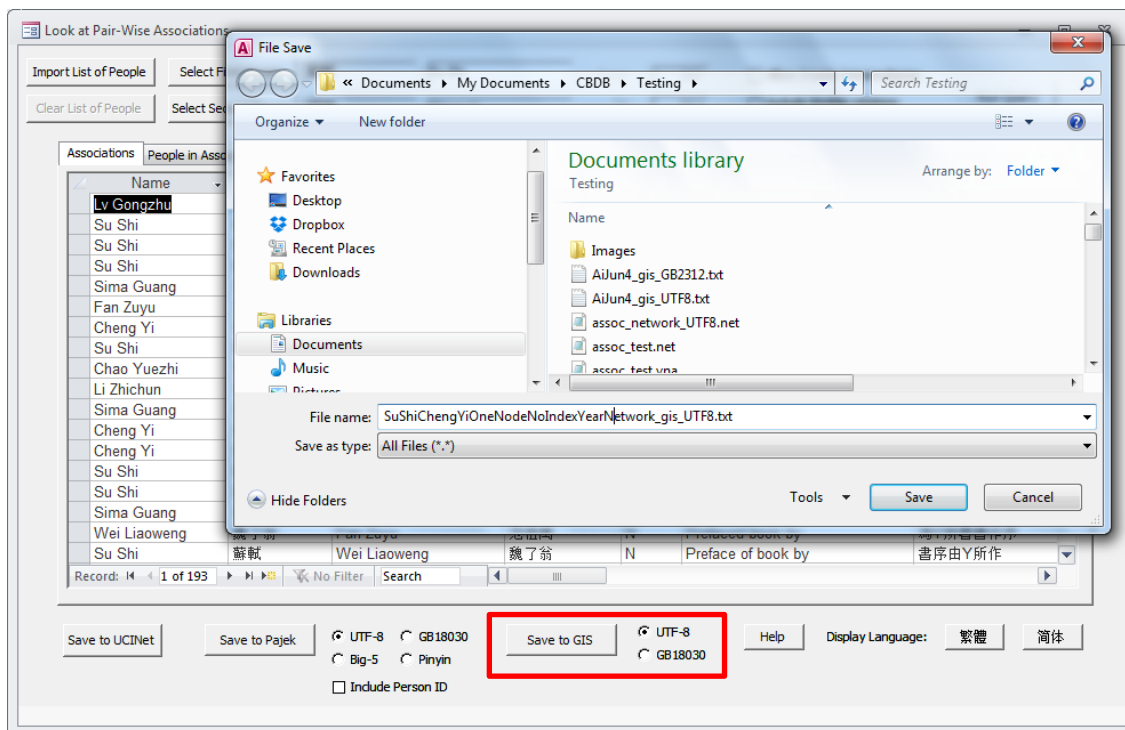
16. Save to GIS Command Button

Data on association have a geographic component and may reveal significant geographic patterns of distribution that shift over time. In order to allow the user to explore this geographic component, CBDB exports the GIS (Geographic Information Systems) data to a commonly used file format (tab-delimited text) that can be imported into such programs as ArcGIS and QGIS.

Depending on whether the user is in a Chinese Windows environment or an English will determine whether to use GB18030 (Chinese) or UTF-8 (English) encoding for the Chinese characters. When **LookAtNetworks** saves the file, the record for each person includes the following fields:

- Name (Pinyin and Chinese)
- Sex
- Index Year
- Node distance
- Place Name (Pinyin and Chinese)
- XY coordinates
- XY count (the number of people in the table who share the same coordinates)

To save the data to a GIS file, select the appropriate encoding and click on **Save to GIS**. This will open a standard Windows “Save-to” window. Note that the default extension is “.tab” and if the user gives the file a different extension, CBDB will automatically append “.tab” to the file name.



17. Help Command Button


The **Help** command button opens this file.

18. Display Language Command Buttons

Note that all of the forms have the option to switch the display labels among English, traditional or simplified Chinese. When one click on the “繁體” command button, all the form labels switch to traditional Chinese text (except those that are parts of bilingual pair, like “Name” and “姓名” in the table of results), and the button gives one the option to return to English:

Name	姓名	Linked to	社會關係人姓	Kin/N	Link	聯
Lv Gongzhu	呂公著	Sima Guang	司馬光	N	Friend of	友
Su Shi	蘇軾	Xie Jingwen	謝景溫	N	Impeached by	被Y彈劾
Su Shi	蘇軾	Xie Jingwen	謝景溫	N	Impeached by	被Y彈劾
Su Shi	蘇軾	Chao Yuezhi	晁說之	N	Recommended	推薦
Sima Guang	司馬光	Fan Zuyu	范祖禹	N	Recommended	推薦
Fan Zuyu	范祖禹	Yang Guobao	楊國寶	N	Recommended	推薦
Cheng Yi	程頤	Sima Guang	司馬光	N	Recommended by	被Y推薦
Su Shi	蘇軾	Fan Zuyu	范祖禹	N	Recommended by	被Y推薦
Li Zhichun	李之純	Wen Yanbo	文彥博	N	Recommended by	被Y推薦
Chao Yuezhi	晁說之	Fan Zuyu	范祖禹	N	Recommended by	被Y推薦
Sima Guang	司馬光	Chao Yuezhi	晁說之	N	Praised or admired by	被Y欣賞/器重
Cheng Yi	程頤	Yang Guobao	楊國寶	N	Praised or admired	欣賞/器重
Cheng Yi	程頤	Liu Tingshi	劉庭式	N	Praised or admired	欣賞/器重
Su Shi	蘇軾	Liu Tingshi	劉庭式	N	Praised or admired	欣賞/器重
Su Shi	蘇軾	Li Zhichun	李之純	N	Supported by	得到Y的支持
Sima Guang	司馬光	Wen Yanbo	文彥博	N	Prefaced book by	為Y所著書作序
Wei Liaoweng	魏了翁	Fan Zuyu	范祖禹	N	Prefaced book by	為Y所著書作序
Su Shi	蘇軾	Wei Liaoweng	魏了翁	N	Preface of book by	書序由Y所作

19. Exit Command Button

To close the form, one clicks on the **Exit** command button (or on the  in the upper right corner)