

文献分析软件BibExcel介绍



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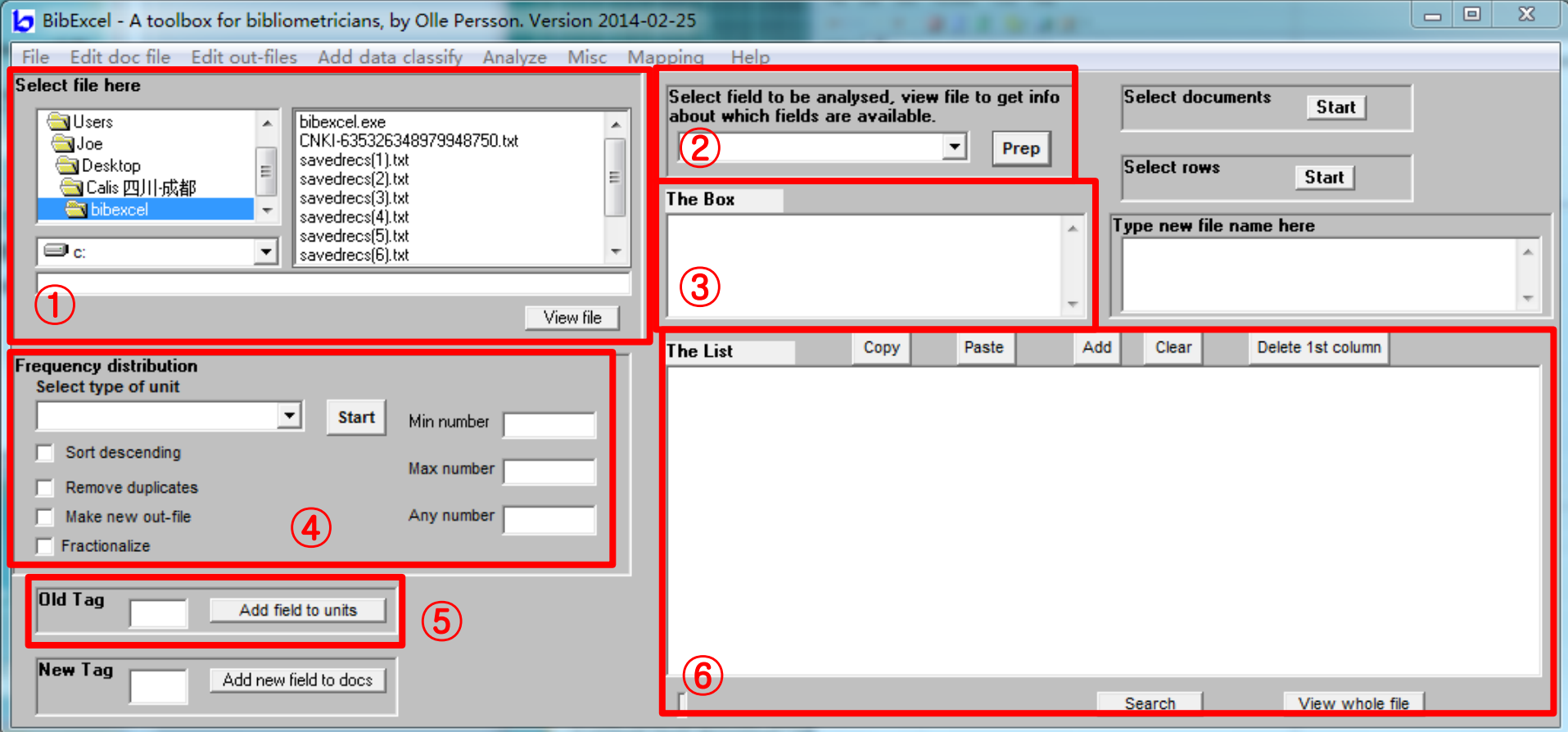
2014. 4 成都

主要内容

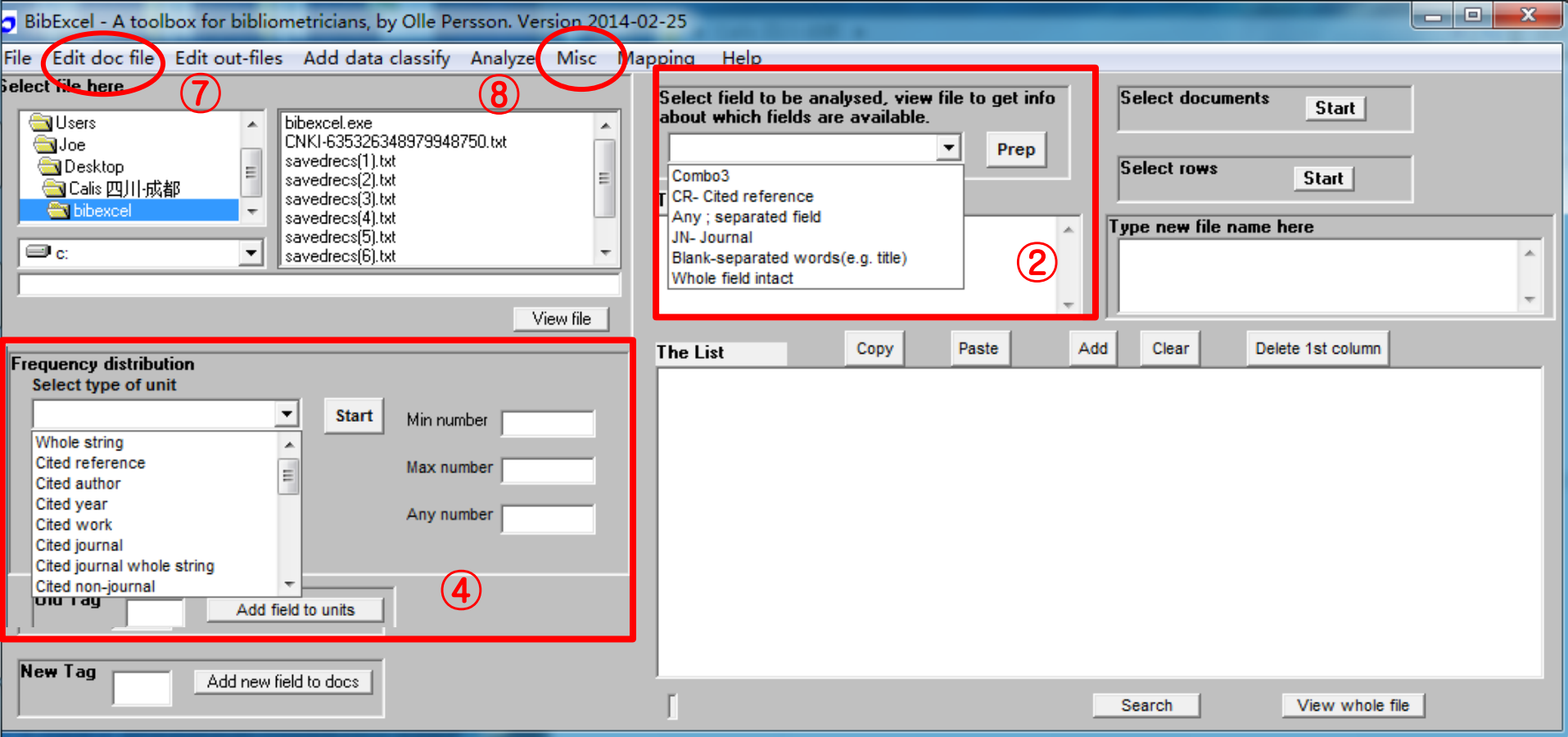
- 1 BibExcel 介绍**
- 2 数据准备**
- 3 操作流程**
- 4 数据的导出和分析**

BibExcel文献分析软件

- 瑞典科学家佩尔松 (Persson) 开发的科学计量学研究软件
下载: <http://www8.umu.se/inforsk/Bibexcel/>
- 数据来源: Web of Science数据库、Derwent Innovation Index数据库和 MEDLINE数据库等。
- 对相关知识单元(作者、关键词、参考文献等)做频次分析、排序和共现关系矩阵,进行引文、共引、耦合、聚类分析。
- Pajek、Ucinet、Netdraw软件,做进一步的可视化图谱分析。



- ① (Select file here): 文件位置栏，选择要去操作的文件或者显示操作后产生的新文件的位置；
- ② (Select field to be analysed): 划分方法栏，利用划分方法截取某个字段的内容时会用到这个部分；
- ③ (The Box): 状态栏，表示正在操作的状态或者最后操作的结果；
- ④ (Frequency distribution): 频数分布栏，进行某一字段的具体分析时会用到这个部分。
复选框Sort表示降序排列，Remove表示去重，Make表示输出一个新的out文件，Fractionalize表示用频率表示；
- ⑤ (Old Tag): 标签栏，在转换文件格式时产生的doc文件中查看所有的标签，如TI、AU、CD、DE等；
- ⑥ (The List): 列表框栏，显示操作最后的执行结果。



② (Select field to be analysed): 划分方法栏，CR表示参考文献，Any表示按分号 (;)划分整个字段，JN表示期刊，Blank表示按空格划分整个字段，Whole表示不进行具体的划分，整个字段是一个整体单元；

④ (Frequency distribution): 频数分布栏，里面具体划分为很多字段，如所有字段、被引文献字段、被引作者字段、被引年字段、被引期刊字段等；

⑦(Edit doc file): 编辑文件选项，转换从WoS中导入的txt文件第一步会用到。

⑧(Misc): 其它参数选项，转换从WoS中导入的txt文件第二步会用到。

数据准备

TXT文本下载

➤ Web of Science等

发送至文件

记录数: ☐ 页面上的所有记录
☒ 记录 1 至 500

记录内容:
作者、标题、来源出版物
作者、标题、来源出版物、摘要
全记录
全记录与引用的参考文献

文件格式: 其他参考文献软件

发送 取消

保存至 EndNote Online

保存至 EndNote Online
保存至 EndNote
保存至 ResearcherID - 我撰写了
保存为其他文件格式

记录内容

发送至文件

记录数: ☐ 页面上的所有记录
☒ 记录 1 至 500

记录内容:
其他参考文献软件
BibTeX
HTML
纯文本
制表符分隔 (Win)
制表符分隔 (Mac)
制表符分隔 (Win, UTF-8)
制表符分隔 (Mac, UTF-8)

文件格式: 纯文本

纯文本 (txt)

数据准备

TXT文本合并

➤ EditPlus (文本编辑器)

➤ 首尾调整



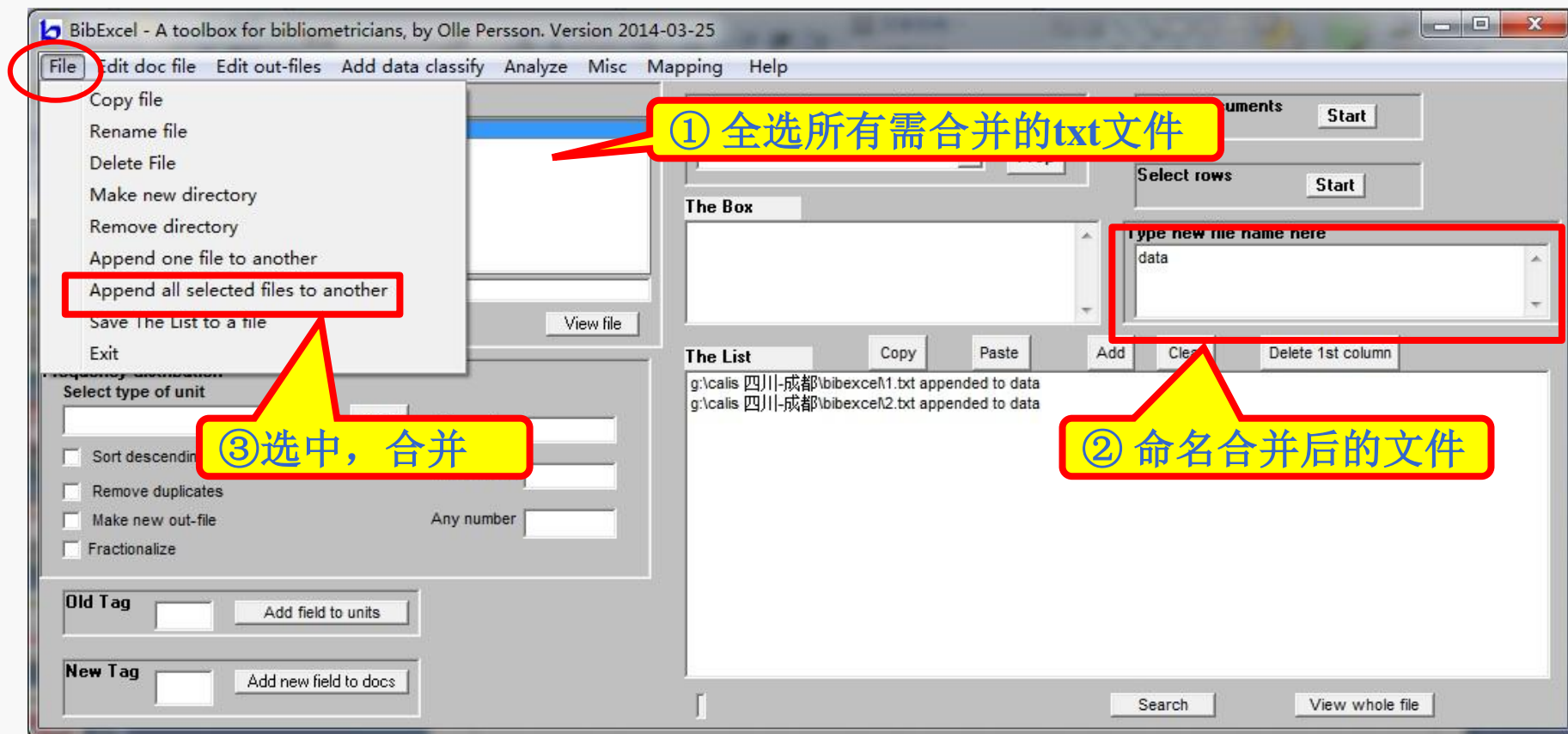
- 以01, 02, 03命名文件，运行运算符“cmd”进入文件夹，运行“copy *.txt data.txt”，合并为一个data.txt.

➤ NoteExpress等文献管理软件

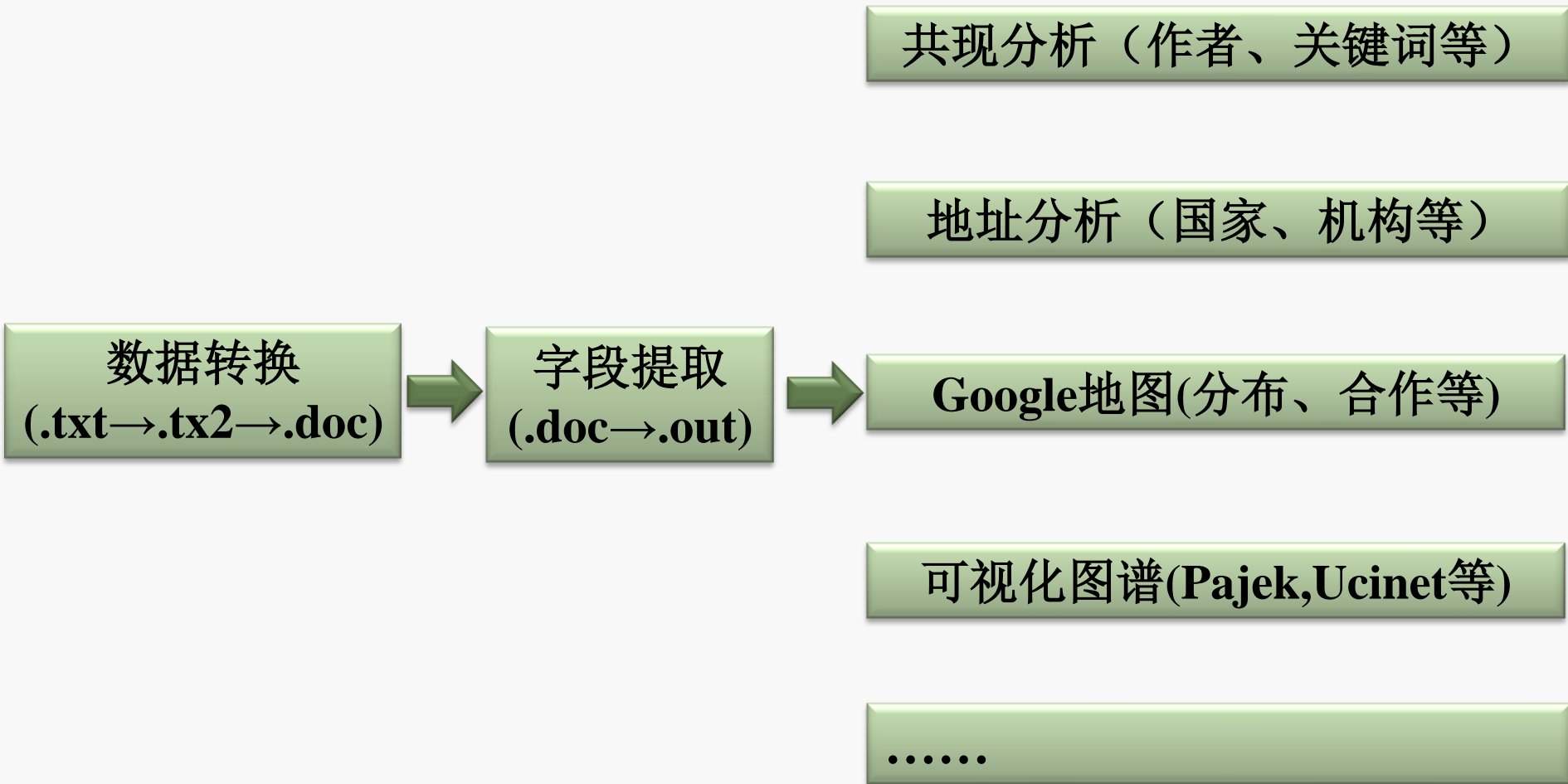
- 导入NE→导出题录（RIS格式）
- AU、DE等，不能分析参考文献CD字段

数据准备

TXT文本合并



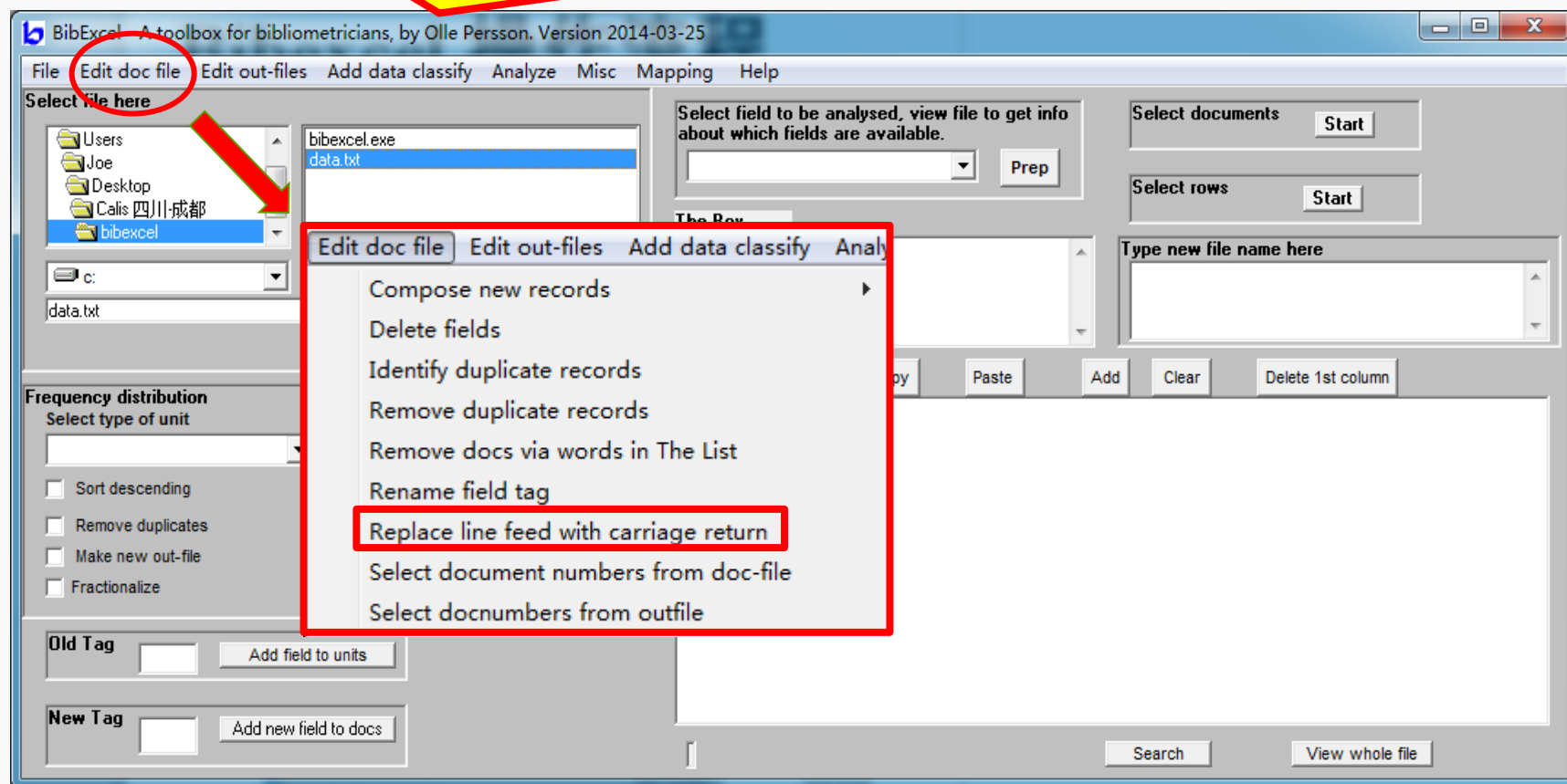
BibExcel操作流程



一、数据转换

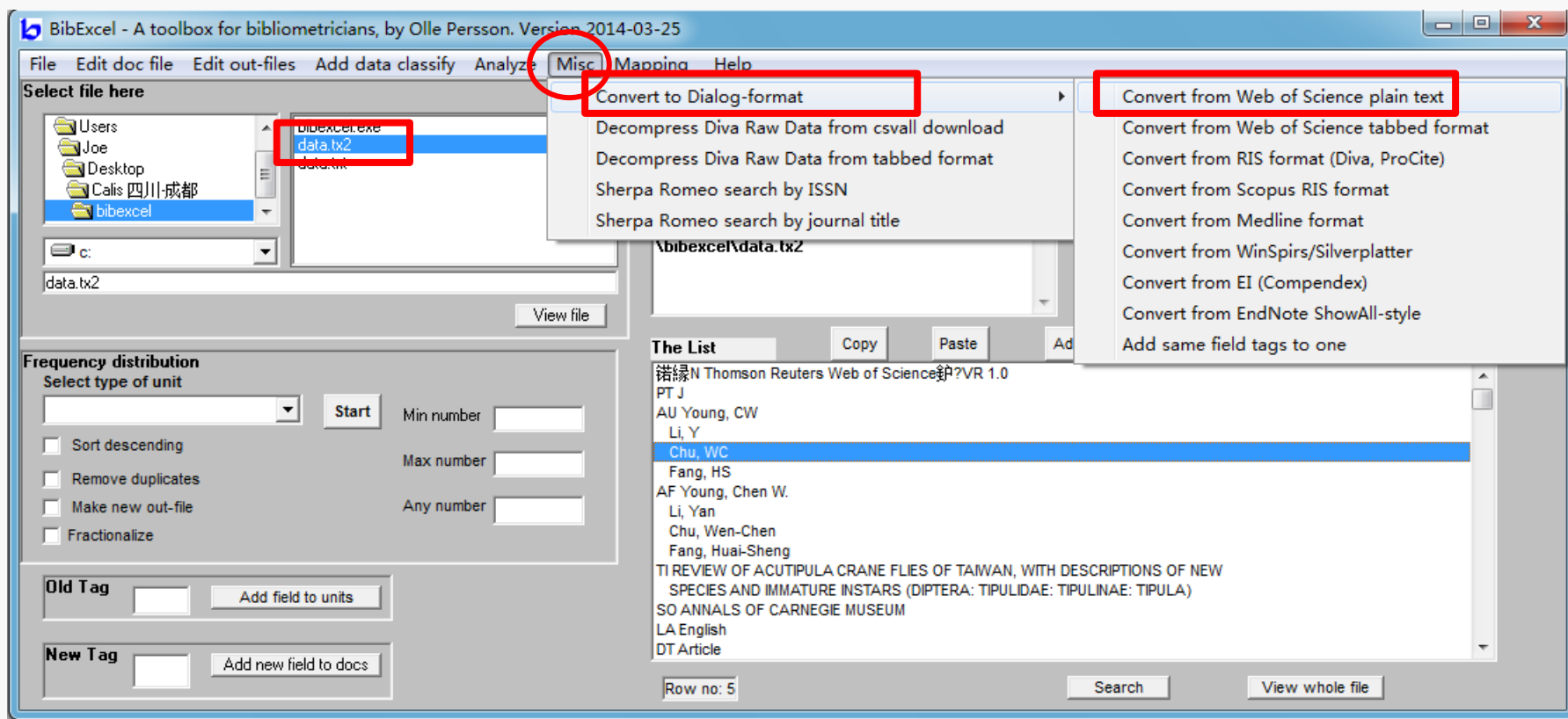
.txt → .tx2 → .doc

操作中弹出的对话框，如无说明。一律选择[确定]或[是]



一、数据转换

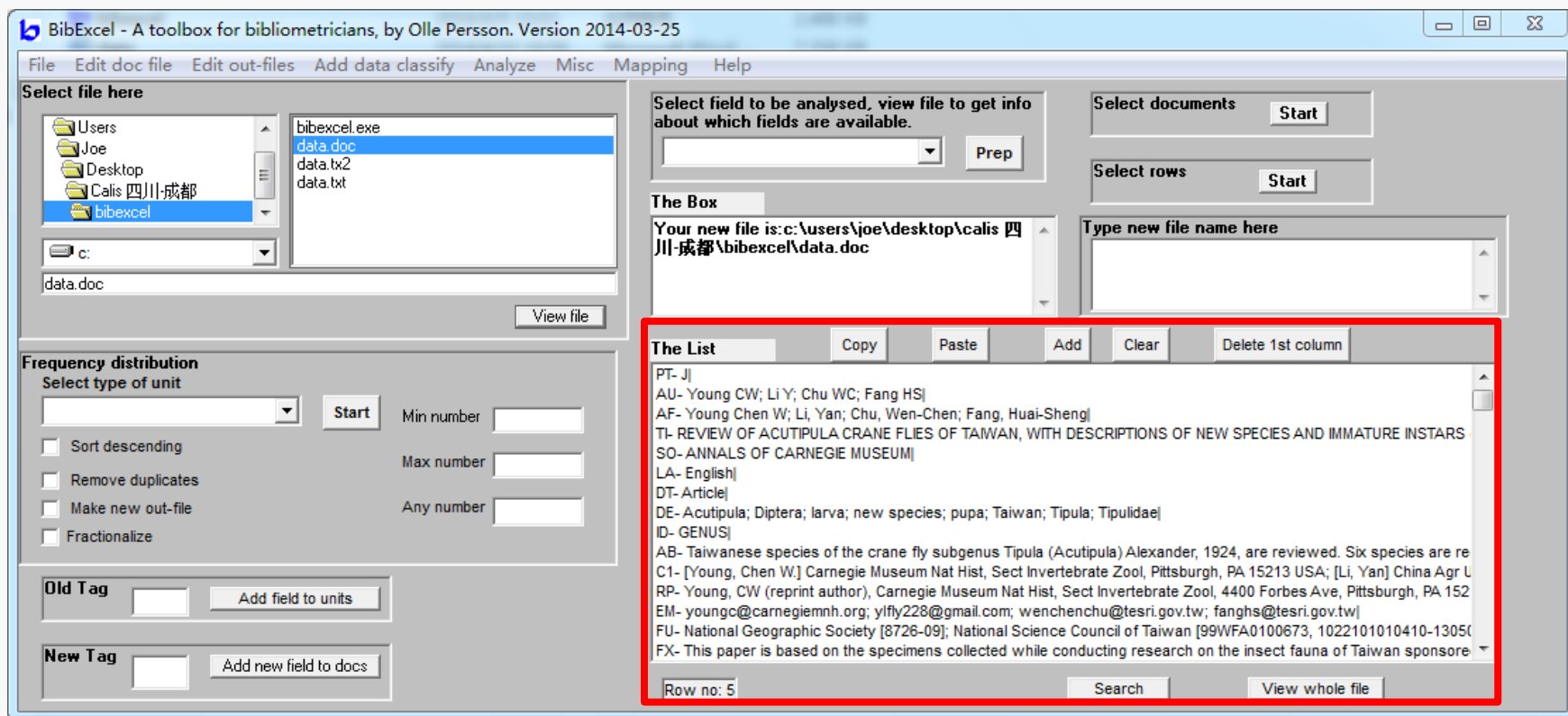
.txt → .tx2 → .doc



一、数据转换

.txt → .tx2 → **doc**

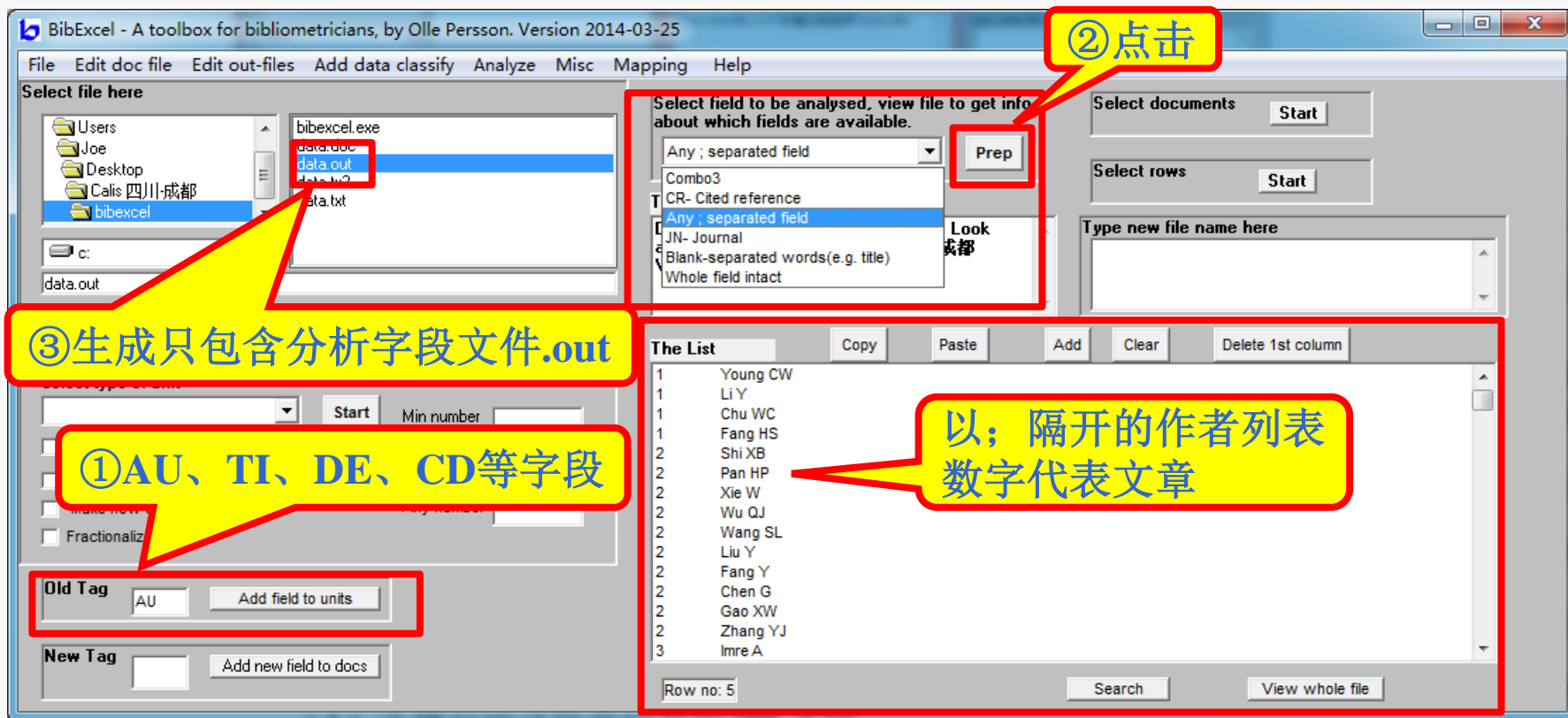
BibExcel可以处理的.doc格式



二、提取字段 (.doc→.out)

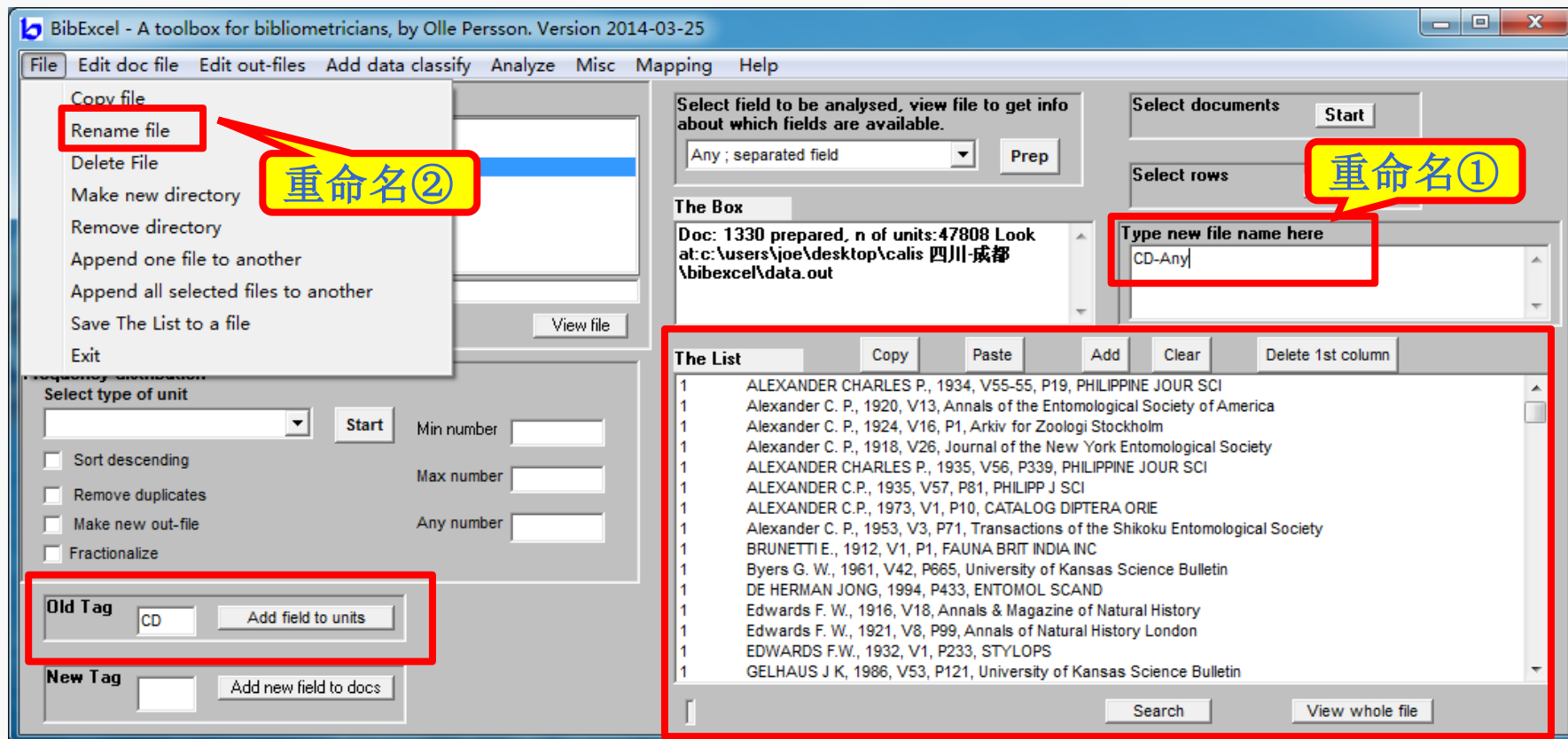
单个字段提取：

例：提取作者字段 AU/AF



二、提取字段

例：提取参考文献字段 CD



二、提取字段

例：提取标题字段 TI

The screenshot shows the BibExcel software interface with several key components and annotations:

- Select file here:** The file list on the left shows 'TI-blank' selected. A red box highlights this area.
- Select field to be analysed:** A red box highlights the dropdown menu set to 'Blank-separated words (e.g. title)' and the 'Prep' button. A yellow callout bubble points to it with the text '空格划分或整体划分'.
- Type new file name here:** A red box highlights the input field containing 'TI-blank'. A yellow callout bubble points to it with the text '重命名'.
- Frequency distribution:** The 'Old Tag' field contains 'TI'. A red box highlights this field and the 'Add field to units' button.
- The List:** A red box highlights the list of extracted title words. A yellow callout bubble points to it with the text '空格切分后的标题词'.

1	REVIEW
1	ACUTIPULA
1	CRANE
1	FLIES
1	TAIWAN
1	DESCRIPTIONS
1	NEW
1	SPECIES
1	IMMATURE
1	INSTARS
1	DIPTERA
1	TIPULIDAE
1	TIPULINAE
1	TIPULA
2	Plant

二、提取字段

多个字段提取

The screenshot shows the BibExcel software interface with several annotations in yellow boxes:

- Annotation 1:** "可选择以空格或斜杠分隔, 继续添加出版年等字段..." (Can be selected with spaces or slashes to continue adding fields like publication year...)
- Annotation 2:** "②划分方法" (Method of division)
- Annotation 3:** "③点击添加" (Click to add)

The interface includes the following sections:

- Select file here:** A file explorer showing the file `cocit569.jn1` selected.
- Select field to be analysed, view file to get info about which fields are available:** A dropdown menu set to "Whole field intact" and a "Prep" button.
- Select documents:** A "Start" button.
- Select rows:** A "Start" button.
- The Box:** A text area showing the file path `成都\bibexcel\cocit569.jn1`.
- Frequency distribution:** A section with a "Start" button and input fields for "Min number", "Max number", and "Any number".
- Old Tag:** A dropdown menu set to "SO" and an "Add field to units" button.
- New Tag:** An input field and an "Add new field" button.
- The List:** A table displaying a list of documents with their titles and authors.

Line	Author	Title
1	Su YM	ELECTRONIC LIBRARY
1	Hsu PY	ELECTRONIC LIBRARY
1	Pai NY	ELECTRONIC LIBRARY
2	Jank DA	CANADIAN JOURNAL OF INFORMATION AND LIBRARY SCIENCE-REVUE CANADIENNE DES SCIENCE
3	Raghuram S	INFORMATION SYSTEMS RESEARCH
3	Tuertscher P	INFORMATION SYSTEMS RESEARCH
3	Garud R	INFORMATION SYSTEMS RESEARCH
4	Scott SD	WORLDVIEWS ON EVIDENCE-BASED NURSING
4	Profetto-McGrath J	WORLDVIEWS ON EVIDENCE-BASED NURSING
4	Estabrooks CA	WORLDVIEWS ON EVIDENCE-BASED NURSING
4	Winther CW	WORLDVIEWS ON EVIDENCE-BASED NURSING
4	Wallin L	WORLDVIEWS ON EVIDENCE-BASED NURSING
4	Lavis JN	WORLDVIEWS ON EVIDENCE-BASED NURSING
5	Waaier CJF	SCIENTOMETRICS
5	van Bochove CA	SCIENTOMETRICS

二、提取字段

	A	B	C	D	E
1	1	Su YM	ELECTRONIC LIBRARY	2010	
2	1	Hsu PY	ELECTRONIC LIBRARY	2010	
3	1	Pai NY	ELECTRONIC LIBRARY	2010	
4	2	Jank DA	CANADIAN JOURNAL OF INFORMATION AND LIBRAR	2010	
5	3	Raghuram S	INFORMATION SYSTEMS RESEARCH	2010	
6	3	Tuertscher P	INFORMATION SYSTEMS RESEARCH	2010	
7	3	Garud R	INFORMATION SYSTEMS RESEARCH	2010	
8	4	Scott SD	WORLDVIEWS ON EVIDENCE-BASED NURSING	2010	
9	4	Profetto-McG	WORLDVIEWS ON EVIDENCE-BASED NURSING	2010	
10	4	Estabrooks C	WORLDVIEWS ON EVIDENCE-BASED NURSING	2010	
11	4	Winther C	WORLDVIEWS ON EVIDENCE-BASED NURSING	2010	
12	4	Wallin L	WORLDVIEWS ON EVIDENCE-BASED NURSING	2010	
13	4	Lavis IN	WORLDVIEWS ON EVIDENCE-BASED NURSING	2010	

三、共现分析

1. 对提取字段按频率降序排列 (.out→.cit)

The screenshot shows the BibExcel software interface with several annotations in yellow boxes:

- ③生成对out或oux文件内容按频数降序排列的文件.cit**: Points to the file list on the left where 'au-cit' is selected.
- ①频数分布栏选择“whole string”，并降序排列。**: Points to the 'Frequency distribution' section where 'Whole string' is selected and 'Sort descending' is checked.
- ②点击**: Points to the 'Start' button in the 'Frequency distribution' section.
- 结果：降序排列的作者列表 数字是文章数量**: Points to the 'The List' table, which shows authors sorted by frequency.
- 如需去重，则选中这两项后点击start, 生成oux, 在进行①操作**: Points to the 'Remove duplicates' and 'Make new out-file' checkboxes.

Frequency distribution settings:

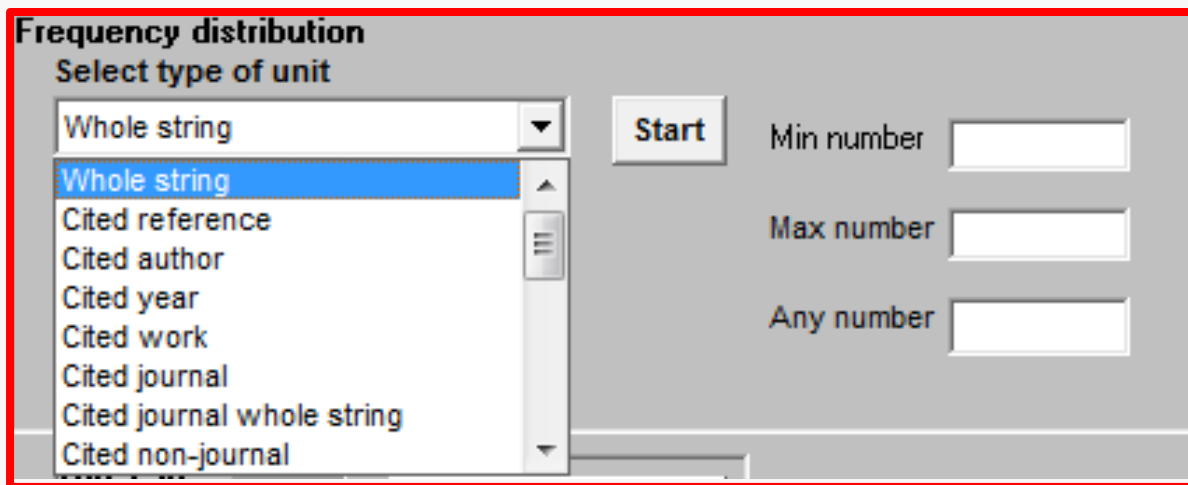
- Select type of unit: Whole string
- Sort descending: ☒
- Remove duplicates: ☐
- Make new out-file: ☐
- Fractional: ☐

The List (Authors sorted by frequency):

Count	Author
47	Wang Y
38	Zhang Y
36	Zhang FS
35	Li Y
26	Zhang Q
25	Liu Y
24	Li N
23	Zhang L
23	Wang J
22	Shen JZ
22	Li DL
21	Li J
20	Li H
20	Wang ZH
19	Yang D

三、共现分析

频数分布栏



Frequency distribution

Select type of unit

Whole string

Whole string

Cited reference

Cited author

Cited year

Cited work

Cited journal

Cited journal whole string

Cited non-journal

Start

Min number

Max number

Any number

选中.out文件, 在 **Frequency distribution** 下拉列表框中选择相应的分析对象:

分析作者共现, 选择 **“Author”**;

分析关键词共现, 选择 **“Whole string”**;

分析机构共现, 选择 **“Whole string”**;

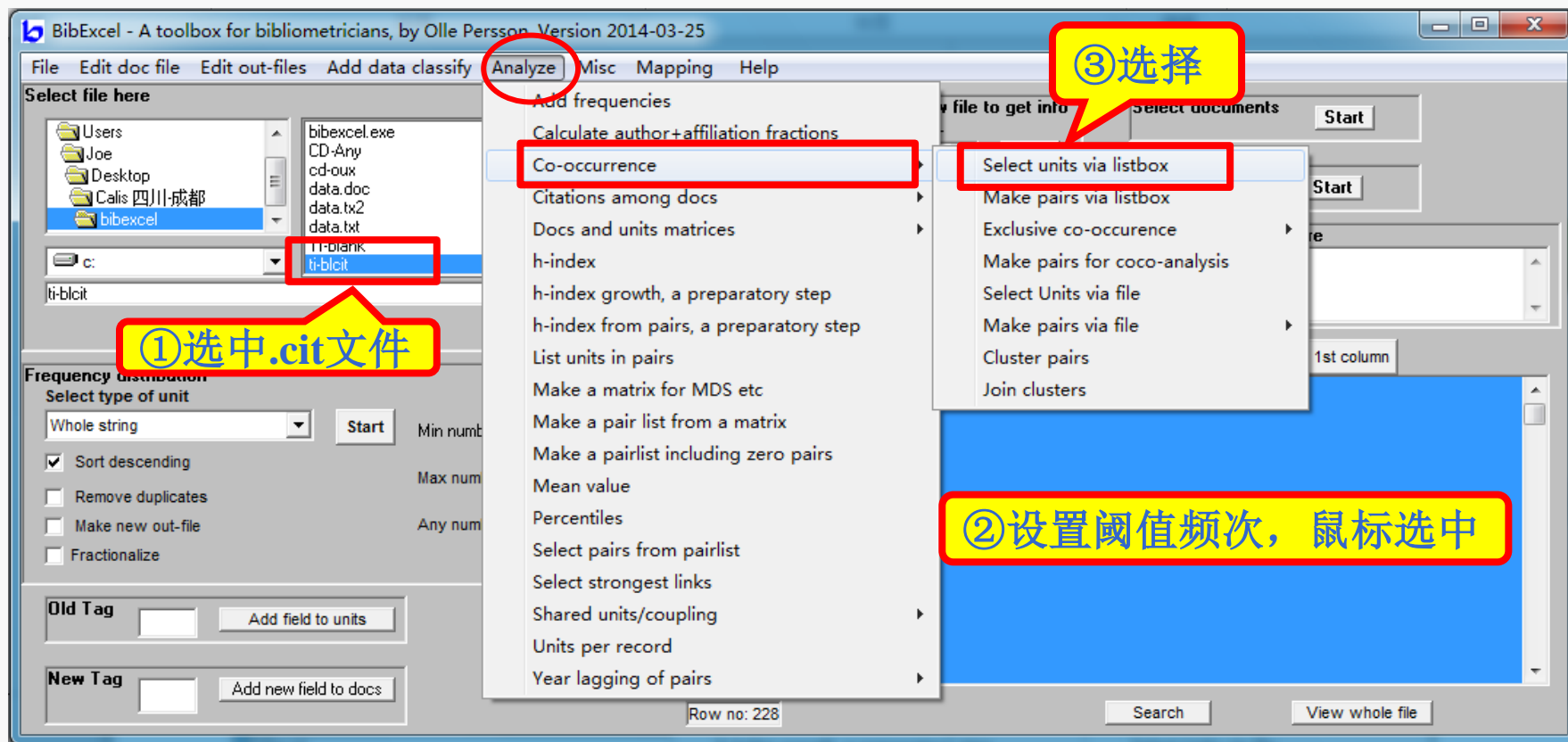
分析被引期刊共现, 选择 **“Whole string”**;

分析参考文献共现, 选中 **“Cited reference”**;

选择相应的分析单元后, 在下面的复选框中选择 **“Sorted descending”**, 点击 **Start** 按钮, 在弹出的窗口中, 点击 **“确定”** 生成后缀名为 .cit 文件。

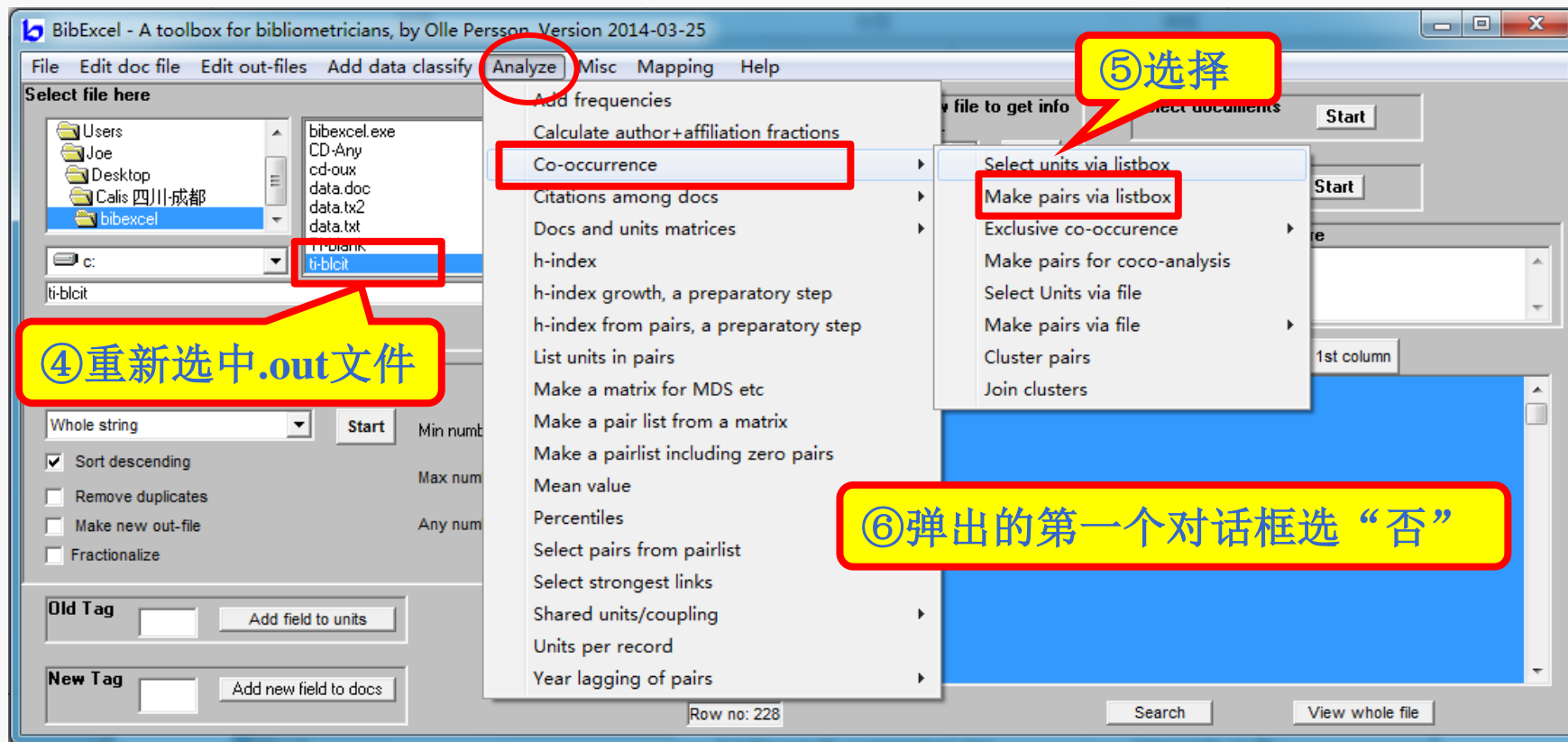
三、共现分析

2. 标题词（作者、机构）共现分析 (.cit→.coc)



三、共现分析

2. 标题词共现分析



三、共现分析

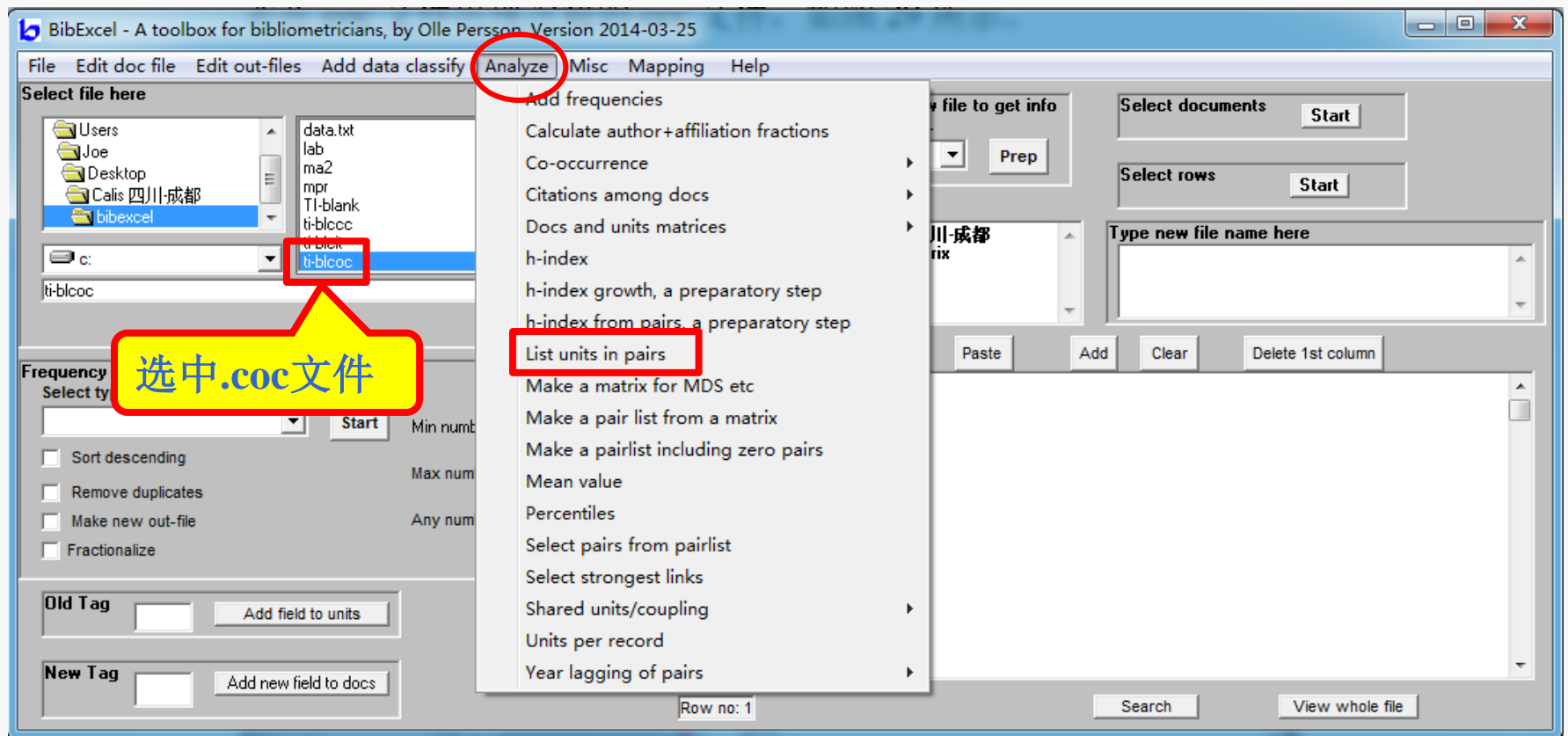
2. 标题词共现分析(.cit→.coc)

The screenshot shows the BibExcel software interface. The 'Select file here' panel on the left shows a file tree with 'ti-blcoc' selected. A yellow callout bubble with the text '⑦生成.coc文件' points to this selection. The 'The Box' panel in the center displays the message: 'The co-occurrence pairs are made. Look at: c:\users\joe\desktop\calis 四川-成都 \bibexcel\ti-blcoc Unique pairs: 5634'. The 'The List' panel on the right shows a table of co-occurrence pairs, sorted by frequency in descending order. A yellow callout bubble with the text '结果：共现标题词按频次降序排列。' points to this table. The table contains the following data:

Row	Term 1	Term 2
28	New	species
17	species	China
15	sp	nov
15	North	China
15	Essential	Oil
14	Elements	ICP-MS
14	support	vector
13	Essential	against
13	Winter	Wheat
12	yield	China
12	species	Diptera
12	High	pressure
12	high	hydrostatic
12	China	Plain
12	water	China

三、共现分析

3. 共现矩阵构建(.coc→.ccc→.ma2)



三、共现分析

3. 共现矩阵构建(.coc→.ccc→.ma2)

The screenshot shows the BibExcel software interface. The 'Select file here' panel on the left shows a file tree with 'ti-blccc' selected. A red box highlights this file, and a yellow callout bubble points to it with the text '生成.ccc文件' (Generate .ccc file). The 'The Box' panel shows the file path 'C:\USERS\JOE\DESKTOP\CALIS 四川-成都\BIBEXCEL\TI-BLccc'. The 'The List' panel on the right shows a list of terms and their frequencies. A red box highlights this panel, and a yellow callout bubble points to it with the text '数字表次该词在.coc文件中出现的次数' (The number indicates the frequency of the word in the .coc file).

Frequency distribution
Select type of unit: [dropdown]
[Start] Min number: [input]
Max number: [input]
Any number: [input]
☐ Sort descending
☐ Remove duplicates
☐ Make new out-file
☐ Fractionalize

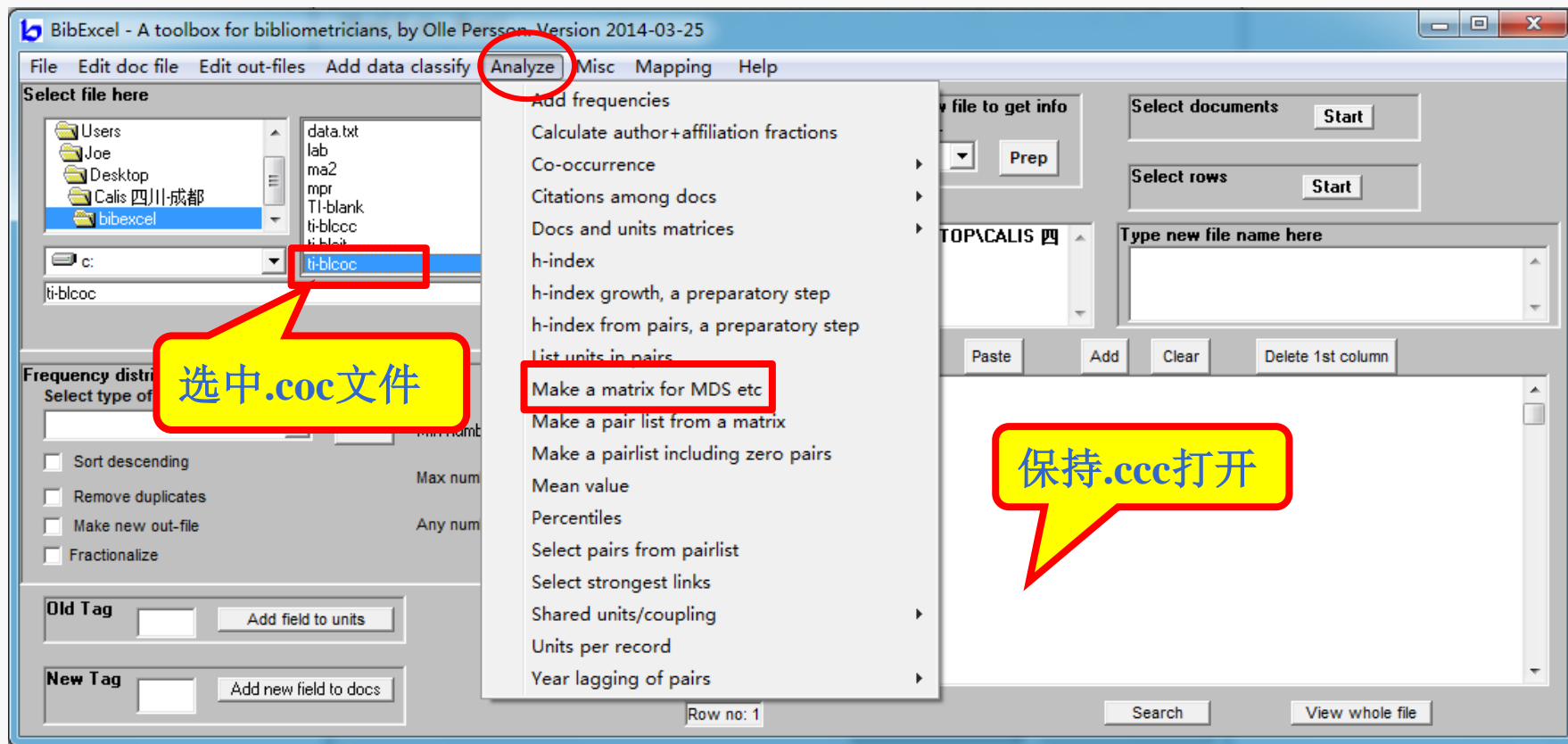
Old Tag [input] [Add field to units]
New Tag [input] [Add new field to docs]

The List

106	acid
35	Acids
23	activation
67	Activity
41	after
43	against
33	agricultural
35	Amino
172	Analysis
49	antioxidant
37	Apple
79	Application
32	approach
61	Arabidopsis
33	Area

三、共现分析

3. 共现矩阵构建(.coc→.ccc→.ma2)



三、共现分析

3. 共现矩阵构建 (.coc→.ccc→.ma2)

生成lab、.ma2和.mpr三个文件

标题词共现的三角矩阵（或全矩阵），可粘帖至Excel进一步可视化分析。

acid	Acids	activation	Activity	after	against	agricultural	Amino	Analysis	antioxidant
0	0								
0	0	0							
2	0	0							
0	0	0							
0	1	0							
0	1	0							
1	0	0							
0	1	1							
0	0	0							
0	1	0							
1	0	0							
2	0	0							
0	0	0							

四、地址分析（国家水平）

- ① 从.doc提取地址字段C1，生成.out文件；
- ② 选择**Edit out files/Remove [..] from whole field**去除方括号，生成.wcm；
- ③ 选择**Edit out files/Decompress out file**，按分号拆分多个地址，生成.nnu；

Bibexcel - A toolbox for bibliometricians, by Olle Persson. Version 2011-08-29

File Edit doc file **Edit out-files** Add data classify Analyze Misc Mapping Help

Select file here

C:\
Bibexcel
My data

cocit569.col
cocit569.doc
cocit569.hdx
cocit569.in1
cocit569.in2
cocit569.nnx
cocit569.out
cocit569.oux

c:\
cocit569.out

View file

Select field to be analysed, view file to get info about which fields are available.

Whole field intact Prep

Select documents Start

Select rows Start

Type new file name here

frequency distribution
Select type of unit
Whole string Start Min number Max number
Sort descending
Remove duplicates
Make new out-file
Fractionalize

Old Tag c1 Add field to units

New Tag Add new field to docs

The Box
Doc: 569 prepared, n of units: 0. Look at: c:\bibexcel\my data\cocit569.out

The List Copy Paste Add Clear

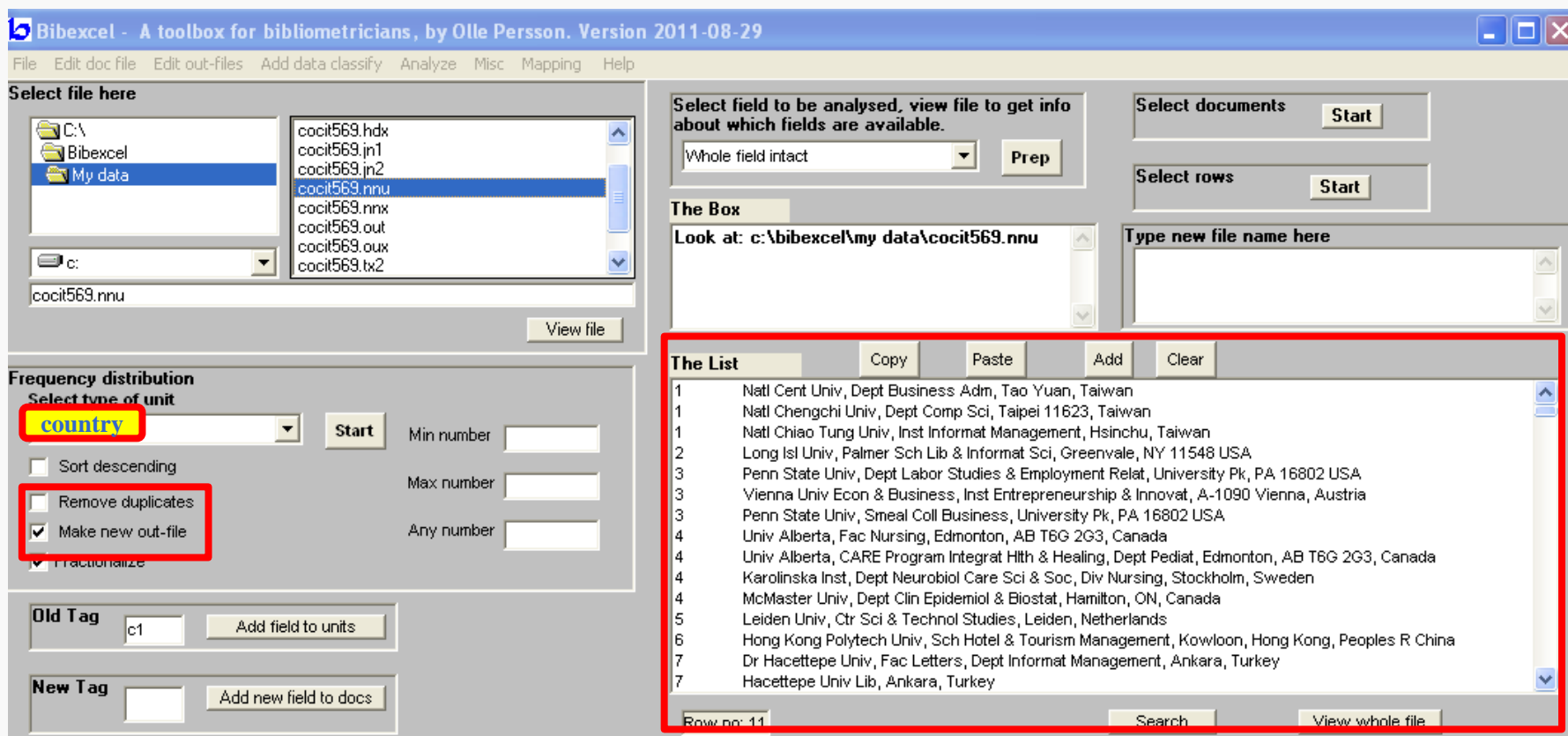
1	[Hsu, Ping-Yu] Natl Cent Univ, Dept Business Adm, Tao Yuan, Taiwan; [Su, Yu-Min] Natl Chengchi Univ, Dept C
2	Long Isl Univ, Palmer Sch Lib & Informat Sci, Greenvale, NY 11548 USA
3	[Raghuram, Sumita] Penn State Univ, Dept Labor Studies & Employment Relat, University Pk, PA 16802 USA; [T
4	[Scott, Shannon D.; Profetto-McGrath, Joanne; Estabrooks, Carole A.] Univ Alberta, Fac Nursing, Edmonton, AE
5	[Waaiker, Cathelijn J. F.; van Bochove, Cornelis A.; van Eck, Nees Jan] Leiden Univ, Ctr Sci & Technol Studies, L
6	Hong Kong Polytech Univ, Sch Hotel & Tourism Management, Kowloon, Hong Kong, Peoples R China
7	[Al, Umur; Soydal, Irem] Dr Hacettepe Univ, Fac Letters, Dept Informat Management, Ankara, Turkey; [Yalcin, H
8	[Vargas-Quesada, Benjamin] Univ Granada, Commun & Informat Sci Fac, Colegio Maximo Cartuja, E-18071 Grar
9	[Shen, Yung-Chi; Lin, Grace T. R.] Natl Chiao Tung Univ, Inst Management Technol, Hsinchu 300, Taiwan; [Tzer
10	[Taylor, Hazel] Univ Washington, Informat Sch, Seattle, WA 98195 USA; [Dillon, Stuart] Univ Waikato, Managem
11	[Boyack, Kevin W.] SciTech Strategies Inc, Albuquerque, NM 87122 USA; [Klavans, Richard] SciTech Strategie
12	[van Eck, Nees Jan; Waltman, Ludo] Leiden Univ, Ctr Sci & Technol Studies, NL-2300 RA Leiden, Netherlands; [
13	[Lin, Tsai-Yuan; Wang, Yi-Chou] Chang Jung Christian Univ, Grad Sch Business & Operat Management, Tainan
14	[Lee, Pei-Chun; Su, Hsin-Ning; Chan, Te-Yi] Sci & Technol Policy Res & Informat Ctr, Natl Appl Res Labs, Taipei
15	[de Souza Vanz, Samile Andrea; Chitto Stumpf, Ida Regina] Univ Fed Rio Grande do Sul, Dept Ciencias Informac

Row no: 11 Search View whole file

方括号[..]

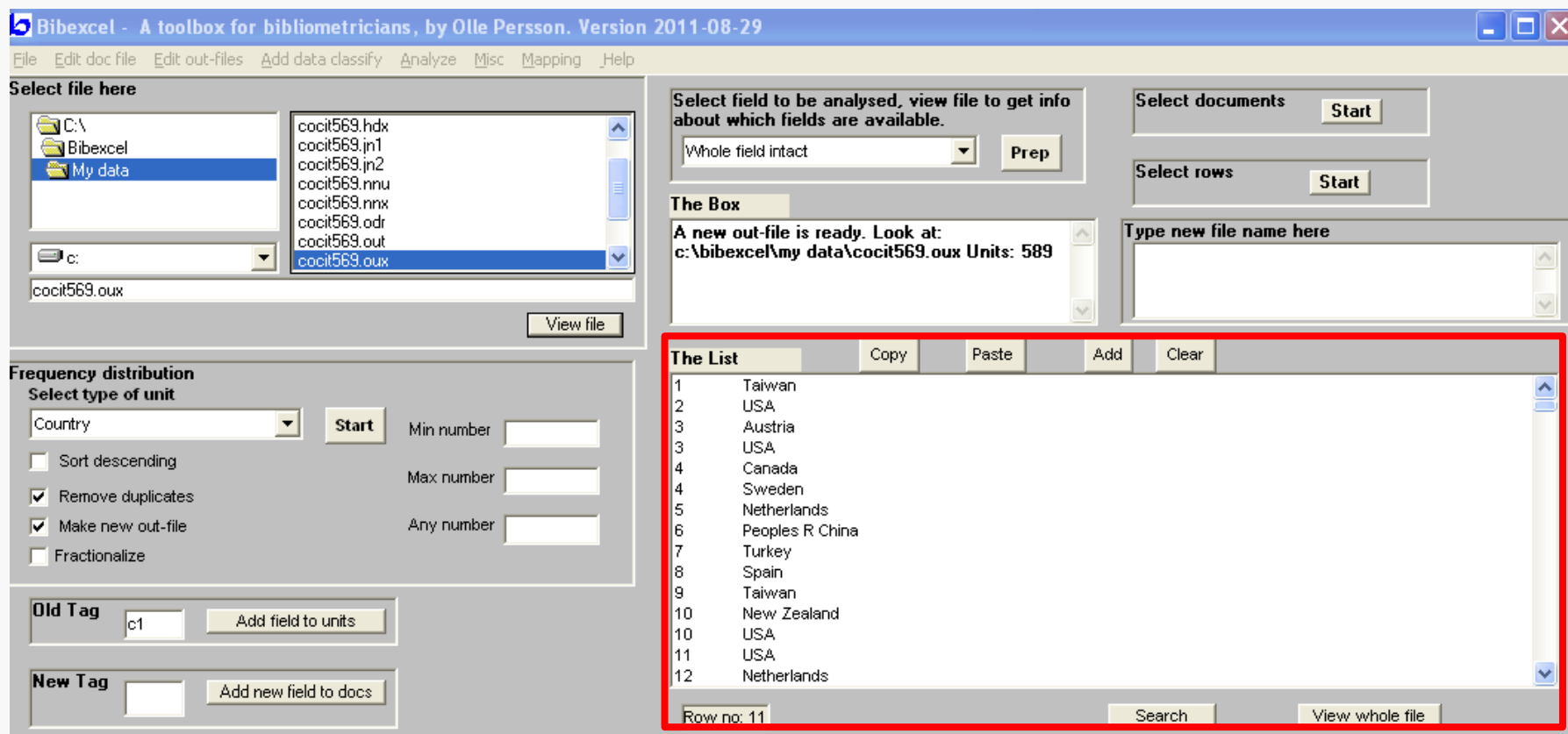
四、作者地址分析（国家水平）

- ④ 选择 *Edit outfiles/Convert comma-delimited addresses*，用斜杠代替逗号，生成odr;
- ⑤ 选择 *country*，用 *Remove duplicates* 和 *Make new out-file* 去重，生成.oux;



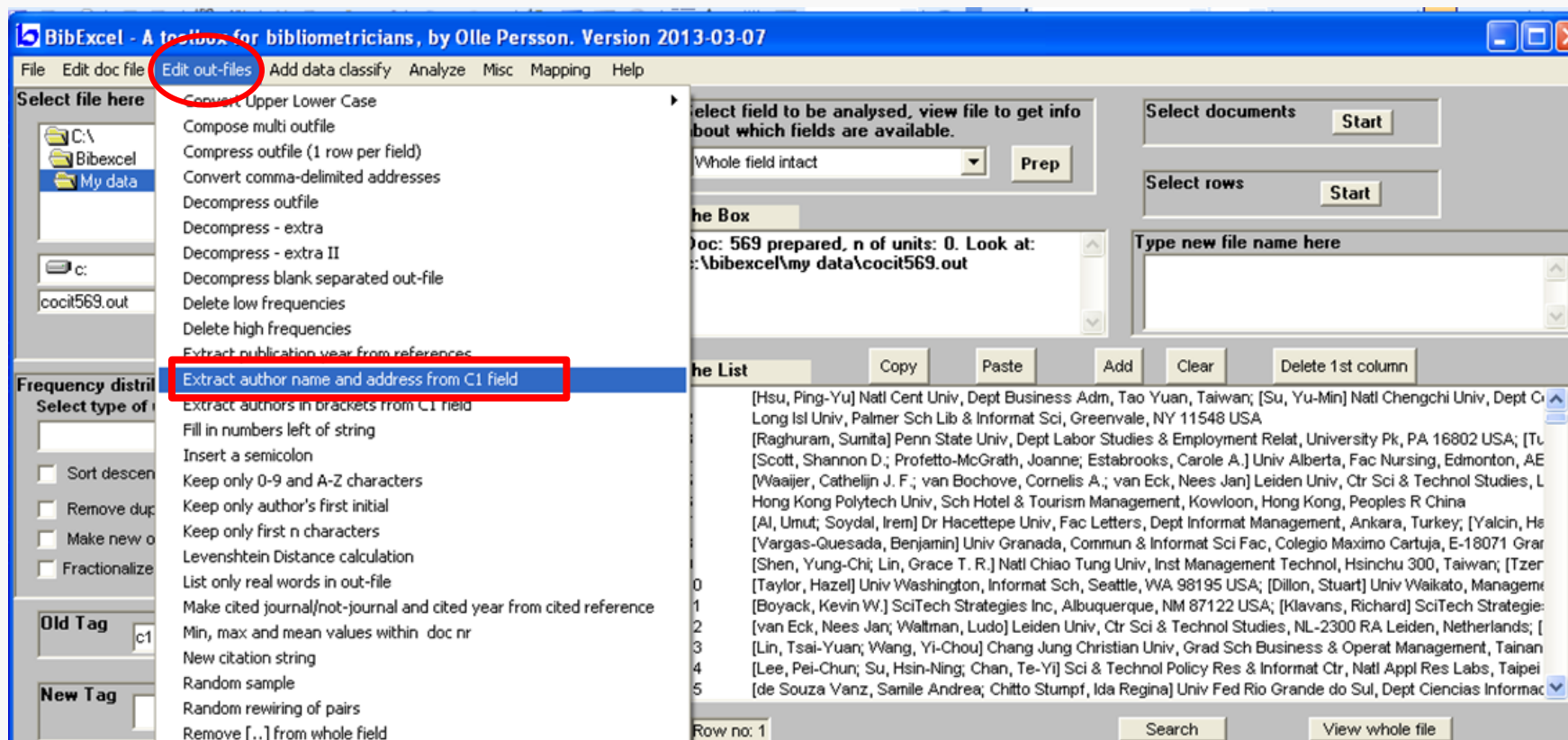
四、作者地址分析（国家水平）

⑥可用于研究某学科领域、机构内或期刊等的国家水平合作情况，借助google 地图或 Pajek等软件进行可视化分析。



四、作者地址分析（机构-作者）

- ① 从.doc提取地址字段C1，生成.out文件；
- ② 选择**Edit out files/Extract author name and address from C1 field**，生成.oxx文件；



四、作者地址分析（机构-作者）

③ .ouxx 文件包含两栏：机构-作者；

④ 列表会出现个别缺少作者，可以拷至Excel，手动补充或删除，然后粘贴回来，重命名；

BibExcel - A toolbox for bibliometricians, by Olle Persson. Version 2013-03-07

File Edit doc file Edit out-files Add data classify Analyze Misc Mapping Help

Select file here

C:\
Bibexcel
My data
c:\
cocit569.ouxx

View file

Frequency distribution
Select type of unit
Start
Sort descending
Remove duplicates
Make new out-file
Fractionalize
Min number
Max number
Any number

Old Tag c1 Add field to units
New Tag Add new field to docs

Select field to be analysed, view file to get info about which fields are available.
Whole field intact Prep

Select documents Start
Select rows Start

The Box
Look at: c:\bibexcel\my data\cocit569.ouxx
Type new file name here

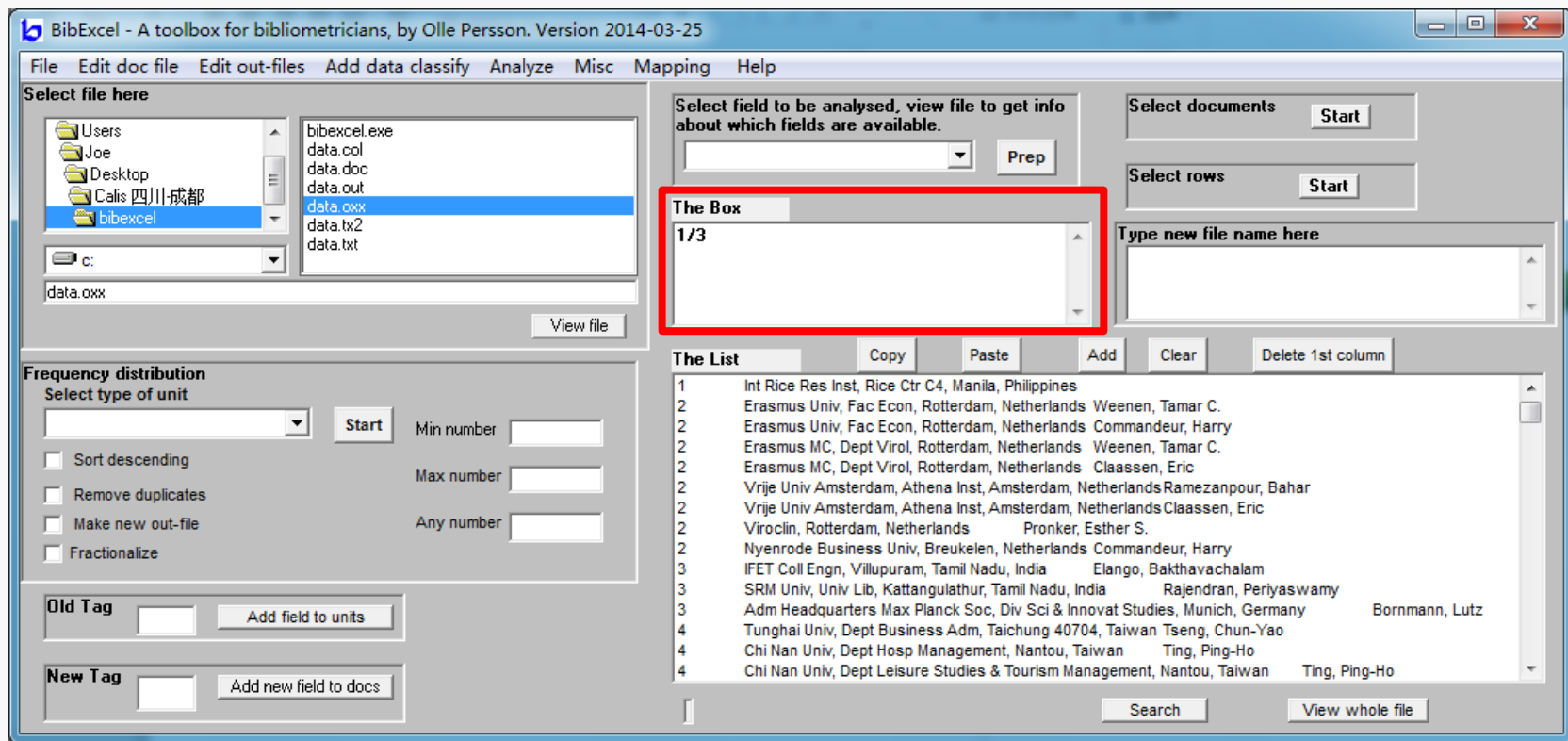
The List Copy Paste Add Clear Delete 1st column

1	Natl Cent Univ, Dept Business Adm, Tao Yuan, Taiwan	Hsu, Ping-Yu
1	Natl Chengchi Univ, Dept Comp Sci, Taipei 11623, Taiwan	Su, Yu-Min
1	Natl Chiao Tung Univ, Inst Informat Management, Hsinchu, Taiwan	Pai, Ning-Yao
2	Long Isl Univ, Palmer Sch Lib & Informat Sci, Greenvale, NY 11548 USA	
3	Penn State Univ, Dept Labor Studies & Employment Relat, University Pk, PA 16802 USA	Raghuram, Sumita
3	Vienna Univ Econ & Business, Inst Entrepreneurship & Innovat, A-1090 Vienna, Austria	Tuertscher, Philipp
3	Penn State Univ, Smeal Coll Business, University Pk, PA 16802 USA	Garud, Raghu
4	Univ Alberta, Fac Nursing, Edmonton, AB T6G 2G3, Canada	Scott, Shannon D.
4	Univ Alberta, Fac Nursing, Edmonton, AB T6G 2G3, Canada	Profetto-McGrath, Joanne
4	Univ Alberta, Fac Nursing, Edmonton, AB T6G 2G3, Canada	Estabrooks, Carole A.
4	Univ Alberta, CARE Program Integrat Hlth & Healing, Dept Pediat, Edmonton, AB T6G 2G3, Canada	Winther, Co
4	Karolinska Inst, Dept Neurobiol Care Sci & Soc, Div Nursing, Stockholm, Sweden	Wallin, Lars
4	McMaster Univ, Dept Clin Epidemiol & Biostat, Hamilton, ON, Canada	Lavis, John N.
5	Leiden Univ, Ctr Sci & Technol Studies, Leiden, Netherlands	Waaiajer, Cathelijm J. F.
5	Leiden Univ, Ctr Sci & Technol Studies, Leiden, Netherlands	van Bochove, Cornelis A.

Row no: 1 Search View whole file

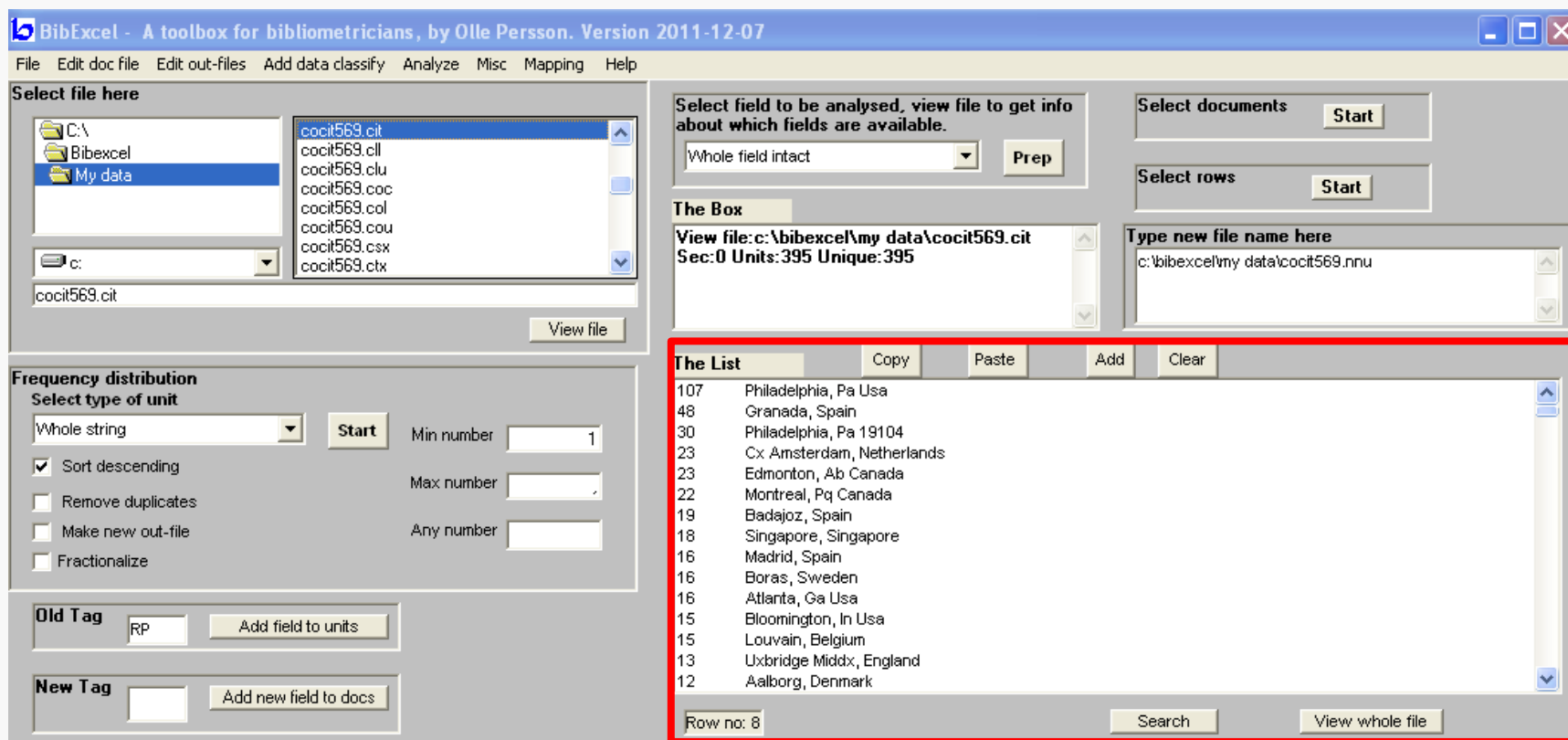
四、作者地址分析（机构-作者）

- 作者清洗：① 选中.oxx，view file，在The box输入1/3，即编号和作者两栏；
- ② 选择**Edit out-files/Select columns**，生成.col文件；
- ③ 选择**Edit out-files/Convert upper lower case/Good for author or cited author in out-file**，生成.joa文件，合并如： VANRAAN AFJ, van Raan AFJ, Van Raan A；
- ④ 继续选择**Edit out-files/Keep only author's first initial**（慎用，可略过），在Excel合并后帖回。



五、可视化地图

- ① 提取C1字段，生成.out文件
- ② 选择*Edit out-file/Standardize addresses/Clean and add address fields*，生成.oux；
- ③ 选择*Edit out-file/Standardize addresses/City and country truncate*，生成.tru-file；
- ④ 去重后按频率排序，生成.cit文件（城市-国家）



五、可视化地图

- ⑤ 打开<http://www.gpsvisualizer.com/geocoder/>（API），粘帖城市列表；
- ⑥ 获取城市经纬度坐标，再次粘帖至BibExcel；
- ⑦ 打开[Mapping/Geographical mapping/Make a waypoint list](http://www.gpsvisualizer.com/mapping/Geographical%20mapping/Make%20a%20waypoint%20list)；生成.way文件；

GPS Visualizer

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Ads by Google [GPS Locator](#) [GPS Coordinates](#) [GPS Track](#) [Garmin GPS](#)

GPS Visualizer's Address Locator

Convert multiple addresses to GPS coordinates

Input:

Philadelphia, Pa Usa
Granada, Spain
Philadelphia, Pa 19104
Cx Amsterdam, Netherlands
Edmonton, Ab Canada

Type of data: Source: [Start geocoding](#)

Add a color: Field separator in output:

Map of your locations:

Map Sat Hyb

11km 11mi

Data ©2010 NAVTEQ

clear markers from map

Results as text: (103 of 103 lines processed)

```
42.440495,-76.495454,"Ithaca, Ny Usa",-  
46.208358,6.142701,"Geneva, Switzerland",-  
34.682571,-82.83954,"Clemson, Sc Usa",-  
61.497815,23.762265,"Tampere, Finland",-  
-33.869629,151.206955,"Sydney, Nsw Australia",-  
39.950281,-75.146479,"Philadelphia, Pa 19106",-
```

[Draw a map](#)

format:

☐ Labels on map [\[more map options\]](#)

[Create a GPX file](#)

五、可视化地图

⑧ 再次粘贴至**GPS Visualizer**，设置参数后画图。

GPS Visualizer

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- [Atlas: Share a map](#)
- [Geocode an address](#)
- [Look up elevations](#)
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 - [GlobalMotion.com](#)
 - [EveryTrail.com](#)
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Mind Mapping Software

The leading Mindmapping Tool for Business & Individuals. Free Trial!

[www.Mindiet.com](#)

NetOnNet - Fugawi

Köp fugawi produkter hos oss Kolla alltid nu! med oss först!

[www.netonnet.se](#)

Garmin GPS Maps

Southern Africa, East Africa and Nigeria maps for Garmin users

[www.garmap.com](#)

GPS på Tradera.

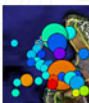
GPS till kanonpris. Utrop från 1 kr, bjud nu!

[www.tradera.com/GPS](#)

Free Online Maps

View Maps and Driving Directions. Free!

[www.maps-prodtools.com](#)



Plot data on a map

This is a special version of the GPS Visualizer map form that's designed for plotting quantifiable data on a map. You can colorize and/or resize points by a particular parameter, such as altitude, population, or category.

If you have track data, or if you don't need to auto geocode your data points by a particular parameter, use the CSV form, or the JPEG/PNG/SVG form.

The coordinates of your data can be given as latitude/longitude, as geojson, or countries), U.S. ZIP codes, or Canadian survey you sent out, this would be a minimal valid .csv file: zip,N [new line] 97202,12 [new line] 97205,6 [new line] 97209,20. If you haven't calculated the frequencies yet, you can set the "Calculate frequency" option to "auto". GPS Visualizer will create an "N" (frequency) column for you.

Please contact Adam Schneider, using the address on the bottom of this page, if you have any questions about how this form works!

Upload your GPS data files here: ?

(Total size of all files cannot exceed 3 MB)

File #1

File #2

File #3

General map parameters show advanced options [+]

Output format: Google Maps

Width: 700 pixels Height: auto

Margin: 45 Title:

Background map: Worldwide: "Visible Earth" (low resolution)

Data point options show advanced options [+]

Colorize using this field: None (don't colorize points) Min: Max:

Lightness: 80% Saturation: 100%

Spectrum direction: up Hue 1: 0° Hue 2: 240°

Color of values beyond min. or max.: Gray

Resize using this field: custom field

Custom resizing field: n

Minimum radius: 6 pixels Maximum radius: 15 pixels

Unresized radius: 8 pixels Single-point map width: 10 km

Calculate frequency: No (creates a field called "N")

Show point names: Yes Show point descriptions: Yes

Default marker color: red

Or paste your data here: ?

```
type,latitude,longitude,name,color,n,width,height
W,39.95228,-75.162454,"Philadelphia, Pa 19101",,100,100
W,37.170398,-3.605426,"Granada, Spain",,100,100
W,39.959395,-75.199288,"Philadelphia, Pa 19101",,100,100
W,52.373095,4.893305,"Cox Amsterdam, Neth 10131",,100,100
W,53.54622,-113.490374,"Edmonton, Ab Can 51601",,100,100
W,45.51228,-73.55439,"Montreal, Pq Canada H3T 1M1",,100,100
W,38.874835,-6.972624,"Badajoz, Spain",,100,100
```

Force plain text to be this type: default

Or provide the URL of data on the Web:

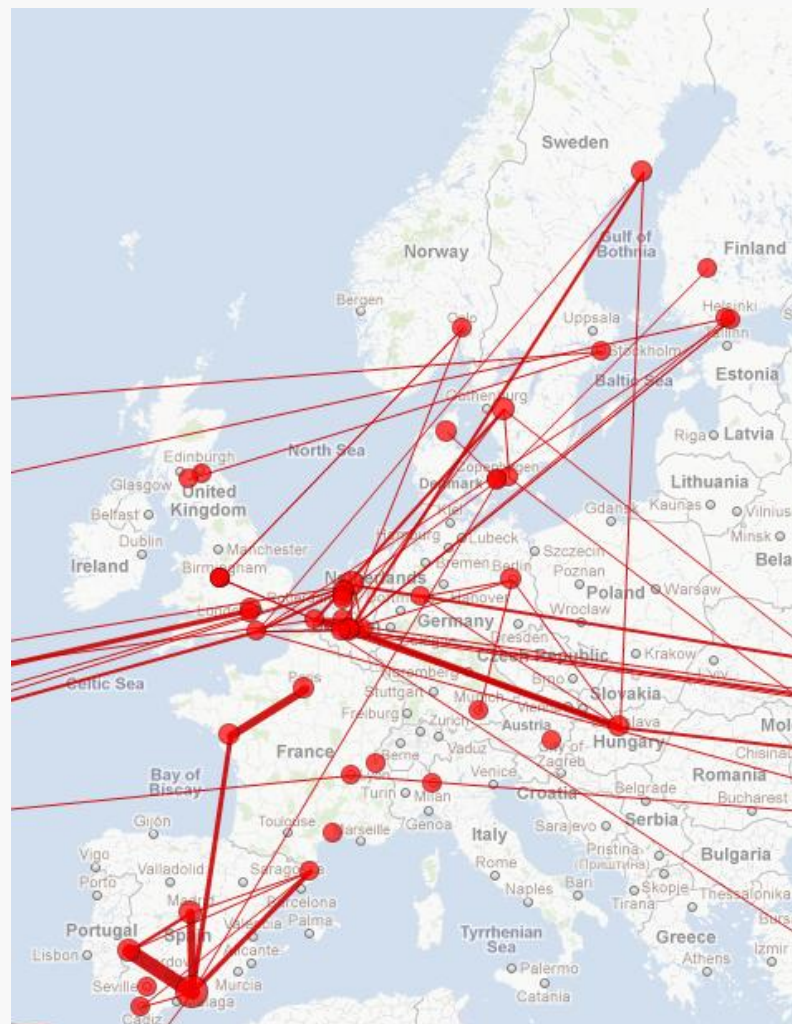
参数设置

五、可视化地图

分布地图

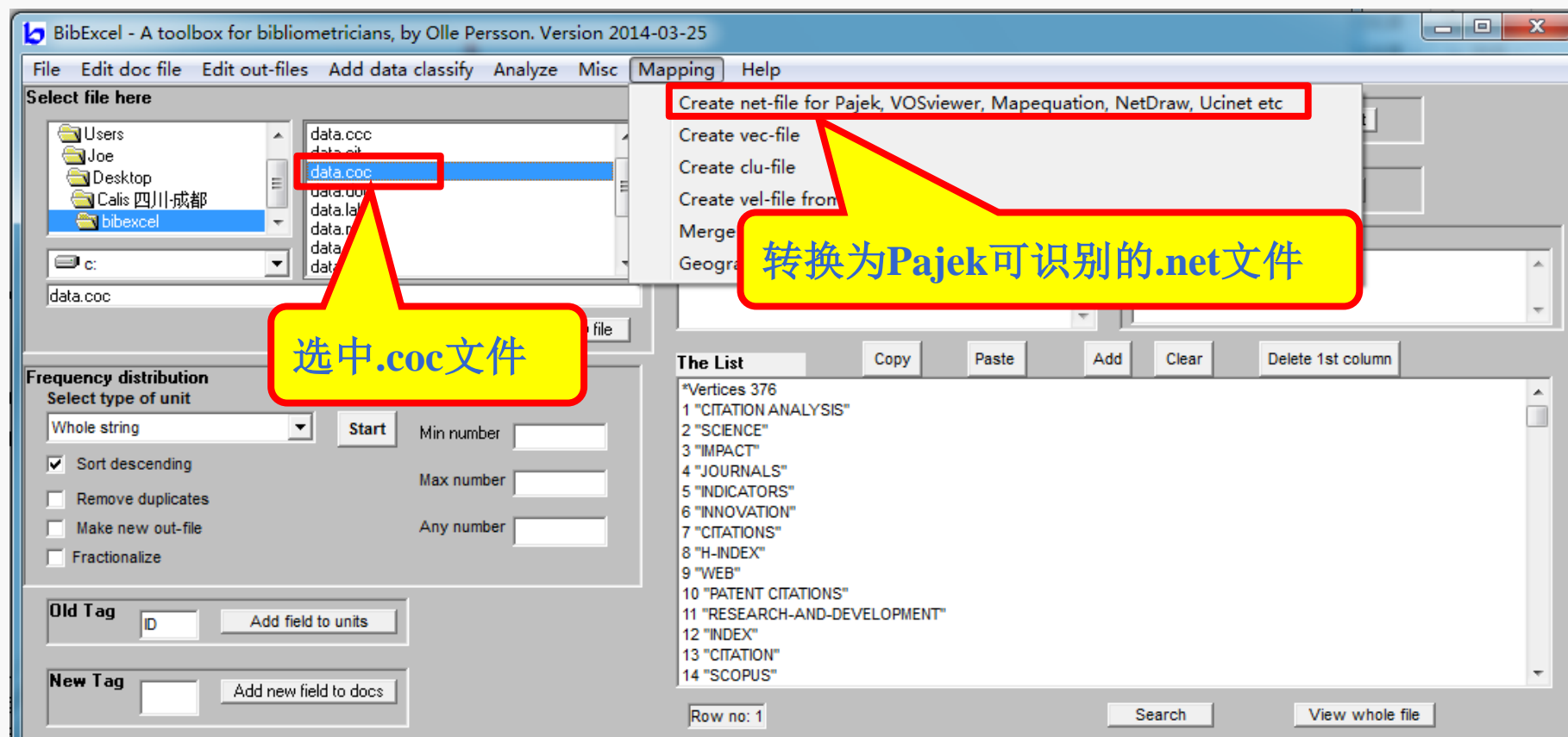


合作地图



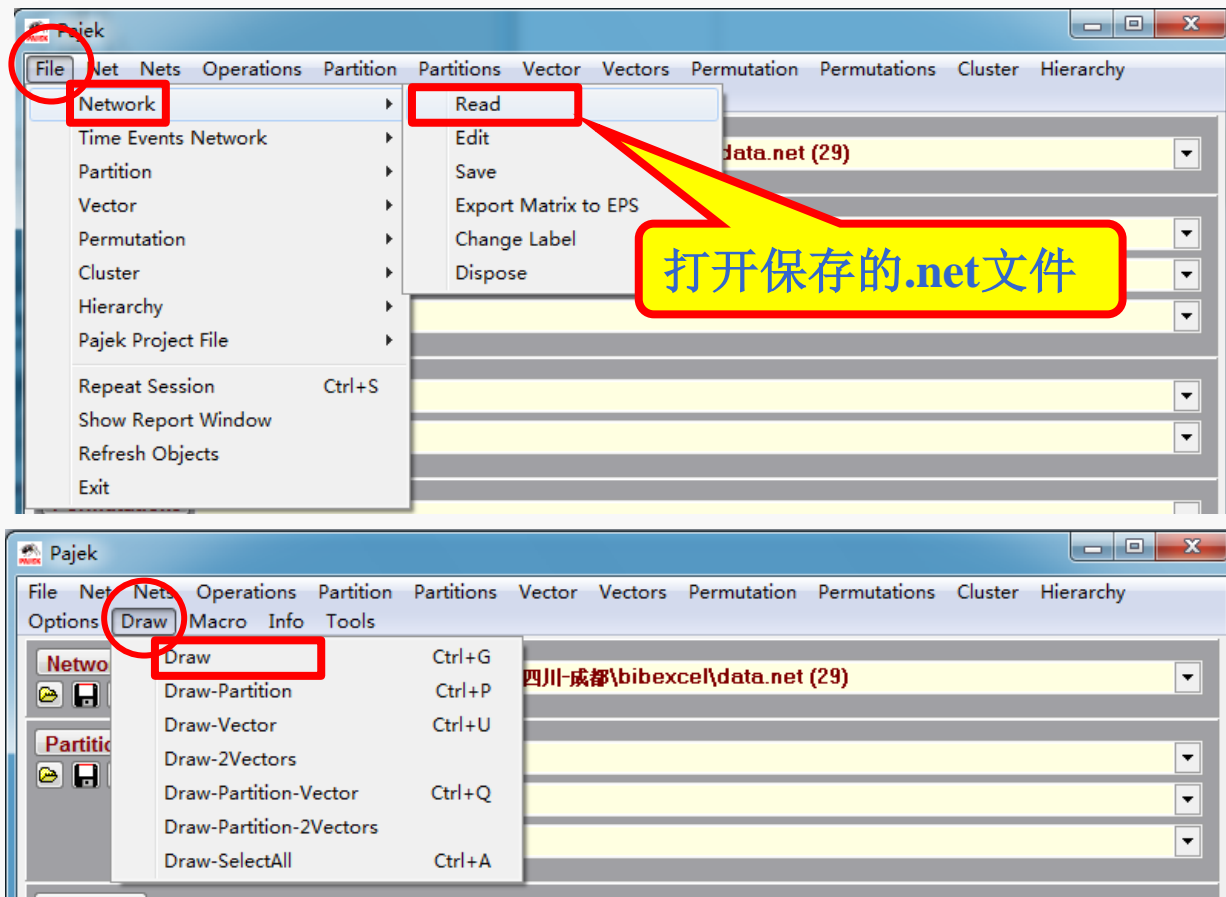
数据的导出和分析

➤ 图谱可视化（**Pajek**, Ucinet, Netdraw等）



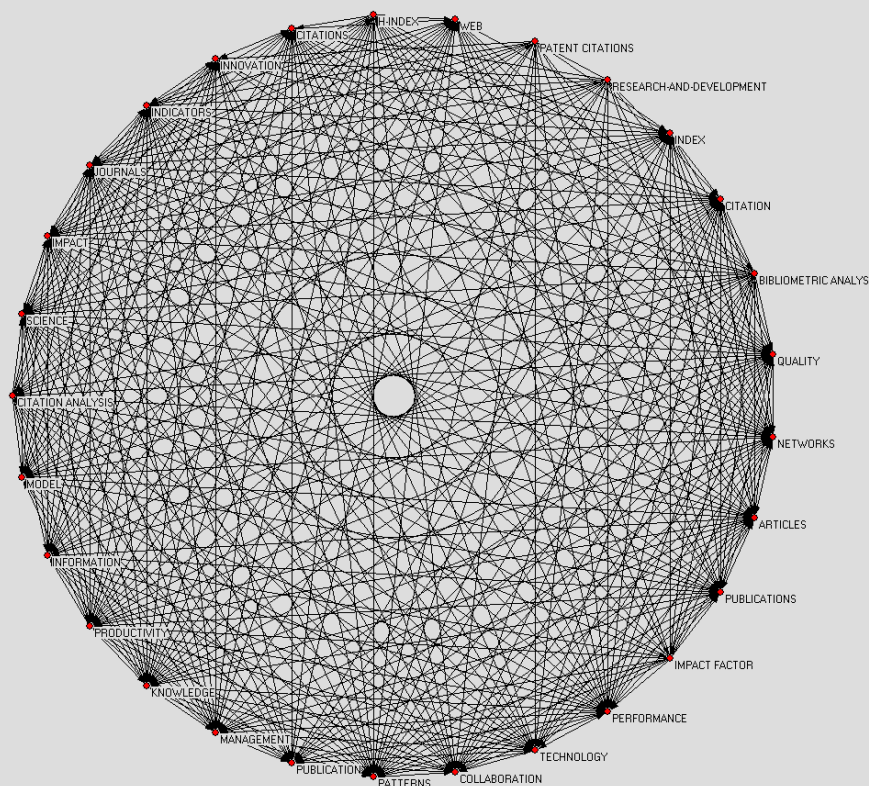
数据的导出和分析

例：2010-2013年,SSCI数据库，检索“citation analysis”，类型精炼为article.设置频次阈值：50。

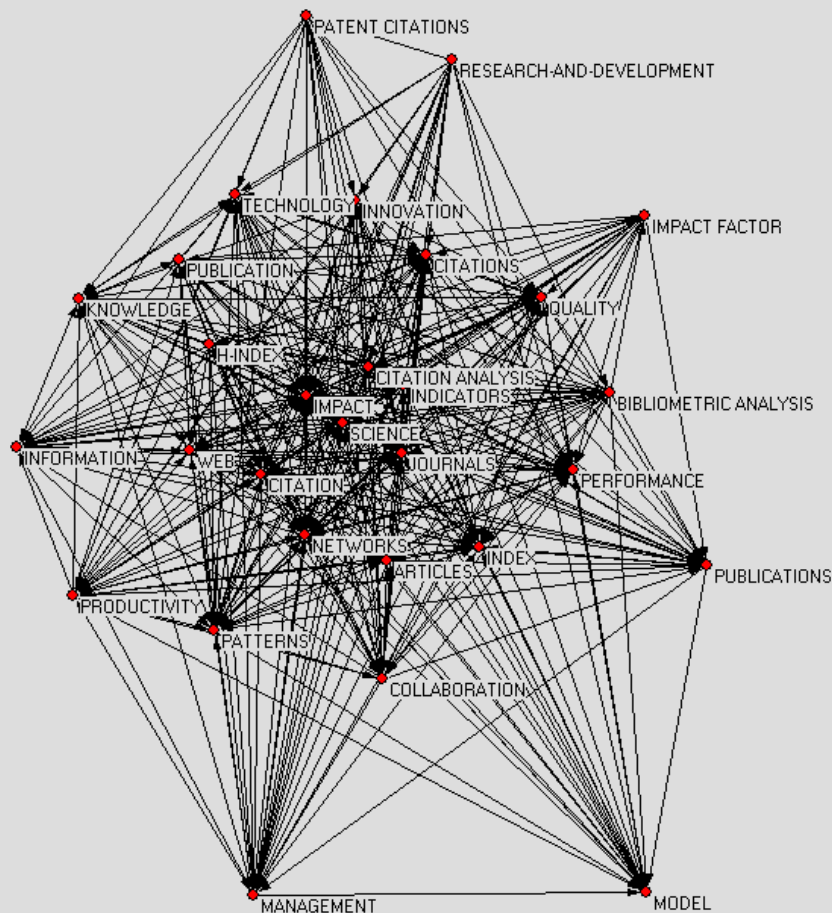


数据的导出和分析

环形算法（默认）

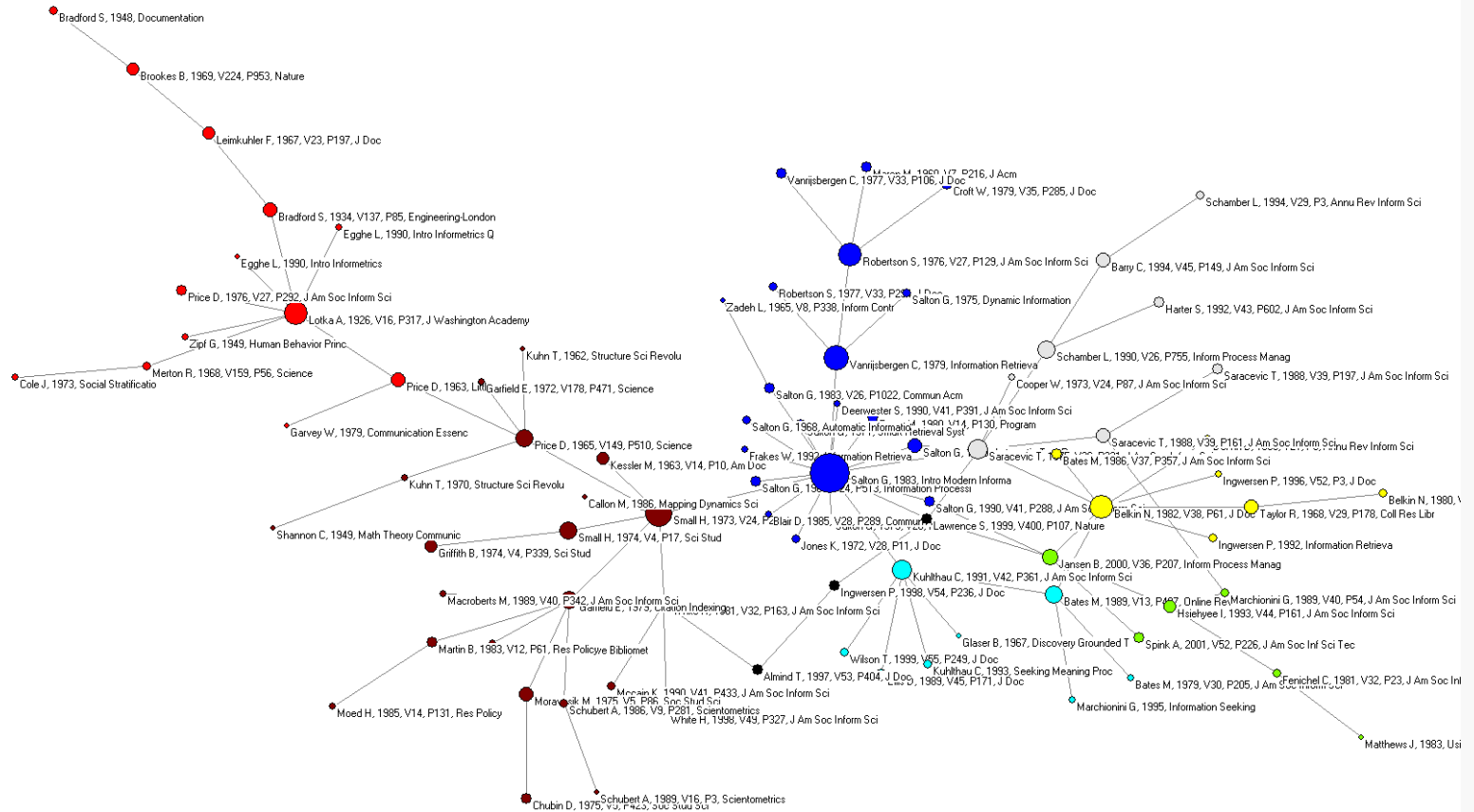


Kamada-kawai 算法



数据的导出和分析

例：共被引图谱



总结

- **.doc文件：BibExcel可以处理的格式；**
- **.out文件：只包含需要分析字段的格式；**
- **.coc文件：共现格式，可导出Pajek识别的.net等格式；**
- **.oux文件、.cit文件、.ma2文件等；**
- **作者共现矩阵、关键词共现矩阵、参考文献共现矩阵、机构共现矩阵、期刊共被引；**
- **可视化：Google地图**

Pajek、Ucinet、Netdraw等软件

A 3D rendered white figure, seen from behind, wearing a black necktie. The figure is leaning its right arm on the top edge of a large whiteboard and has its left hand on its hip. The figure is standing on a white surface.

THANK YOU!

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