

# **Similarities and Differences in the Selection of the Semi-closed Books between CUHK and CityU**

**In Terms of Communication and Sociology**

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# 『Introduction』



# Introduction

►The Background

Course reserve

Semi-closed collection

BOOK

**Human communication : the basic course**

DeVito, Joseph A. author.

Thirteenth edition. Boston : Pearson Education, 2015

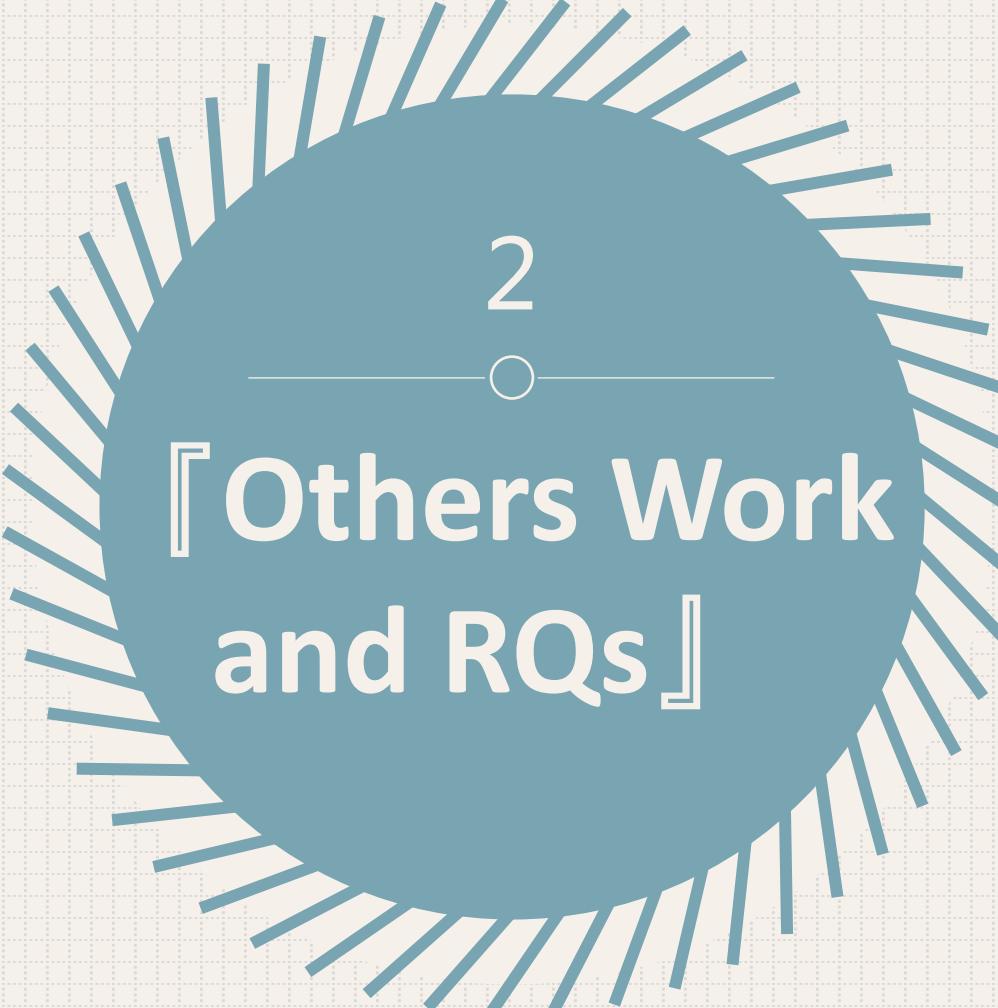
 Available at Run Run Shaw Library Semi-closed (5 hours) (P90 .D485 2015)

►Our Paper Is About

Comparative studies on the development of the subject of Communication and Sociology between the Chinese University of Hong Kong and the City University of Hong Kong.

►Motivation and Needs

By doing this research, we can get more information about the difference of teaching program and purpose of the same subject between two schools.



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## 『Others Work and RQs』

## Others Work

### ▷ Tsinghua's Survey

In 2008, the Tsinghua University Library conducted a survey on the use of library behaviors by readers in 2007.

### ▷ Li Meizhu's Survey

Li Meizhu conducted a survey on the borrowing of the new book of Fujian Agriculture and Forestry University (Li Meizhu, 2006).

## Research Questions

- Is there any same book between the two schools? If yes, what are their similarities and differences?
- Which school's semi-closed books are newer? What is the year of the oldest and newest books?
- Is there any author that have more than one books has been chosen as course reserve?

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# 『Method』



### 3 Method

#### ▷ Data source

The libraries of CUHK and CityU have the same website structure and the same operability, so that the information comparison can be avoided because of the search error.

#### ▷ Areas

We have chosen two subjects, which are Communication and Sociology, according to our research field and QS world university subject ranking.

#### ▷ variables

Title	Author	Edition	Year
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BOOK

**Human communication : the basic course**

DeVito, Joseph A. author.

Thirteenth edition. Boston : Pearson Education, 2015

 Available at Run Run Shaw Library Semi-closed (5 hours) (P90 .D485 2015) >

# Method

The screenshot illustrates the process of inspecting a targeted webpage. The main window shows a search results page for 'Human communication' on the CityU LibraryFind website. The results list three books, with the first one ('Human communication: the basic course') highlighted. The developer tools' Elements tab is open, focusing on the HTML structure of the selected search result item. The CSS styles panel on the right shows styles for various classes like .result-item-text, .prm-brief-result, and .result-item-actions.

```

    "SEARCH_RESULT_RECORDID_CUH_IZ21394658850003408" layout="row" role="button" tabindex="0">
      ::before
      <!-->
      ><span class="list-item-count" ng-if="!$ctrl.isFullView">...</span>
      <!-->
      <!-->
      <!-->
      ><div class="result-item-image layout-column" layout="column" ng-if="!$ctrl.mediaQueries.xs && (!$ctrl.isDBsearch() || $ctrl.isFullView)">...</div>
      <!-->
      <div class="text-selector-spacer"></div>
      ><div class="result-item-text layout-fill layout-column flex" layout="column" layout-fill flex="0">
        ><div class="media-content-type align-self-start">...</div>
        <!-->
        ><prm-brief-result class="result-item-details layout-column" [item]="$ctrl.item" [resource-type-for-display]="" $ctrl.getResourceTypeForDisplay() [deep-link]="" $ctrl.getDeepLinkPath() [is-full-view]=""::$ctrl.isFullView" [is-collection-discovery-collection]="" $ctrl.isCollectionDiscoveryCollection" layout="column">...</prm-brief-result>
        ><prm-snippet [record]="$ctrl.item">...</prm-snippet>
        <!-->
        <!-->
        <!-->
        ><div class="search-result-availability-line-wrapper">...</div>
        <!-->
        <!-->
        <!-->
        </div>
        </div>
        <!-->
        ><div ng-if="(!$ctrl.isGenericRecord() || $ctrl.isPc()) && $ctrl.showTimer" class="result-item-actions layout-row" layout="row" ng-keydown="$ctrl.keyDownSupport($event)" style="...>...</div>
        <!-->
        <!-->
        ><div class="action-list-content" ng-style="{'padding-top': $ctrl.itemHeight}" ng-if="!$ctrl.isFullView" ng-keydown="$ctrl.keyDownSupport($event)">...</div>
        <!-->
        <prm-brief-result-container-after parent-ctrl="$ctrl"></prm-brief-result-container-after>
        </prm-brief-result-container>
      </div>
  
```

the targeted webpage and “inspecting the element” window

### 3 Method

▷ major packages

Pandas

▷ major difficulties

- We need to write a code to let the webpages load automatically.
- There are a great number of links on the first page contain other two or three links, thus we can not harvest the information we need directly.
- Titles and authors are not aligned.

▷ Data Format

CSV Pandas

Raw Data

A	Link
1	0 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
2	1 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
3	2 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
4	3 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
5	4 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
6	5 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
7	6 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
8	7 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
9	8 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
10	9 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
11	10 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
12	11 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
13	12 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
14	13 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
15	14 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
16	15 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
17	16 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
18	17 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
19	18 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
20	19 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
21	20 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
22	21 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
23	22 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
24	23 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
25	24 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
26	25 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
27	26 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
28	27 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
29	28 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
30	29 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
31	30 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
32	31 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
33	32 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
34	33 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL
35	34 https://julac.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=CL

### 3 Method

```
# 抓取出版社，可能有多个出版社
pubs = [pub.text for pub in container.find_elements_by_class_name("item-detail")][-1]
#print('pubs', pubs)
publishers.append(pubs)

# c2018
year = pubs.split(' ')[-1].replace('c', "").replace('-', '')
year = year if '1000' < year <= '2018' else ''
#print('year:', year)
years.append(year)
print('一本....\n')
```

Data Cleaning



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# 『Results』



# Results 1

<b>Sociology</b>			
	Total	Teaching staff	Mean books
City U	337	54	6.2
CUHK	532	40	13.3
<b>Communication</b>			
	Total	Teaching staff	Mean books
City U	53	17	3.1
CUHK	132	36	3.7

The comparison of the two universities according to the amount of teaching staff & books.

## Results 2 - This part was to be perfect later in the report.

same books2

	<b>title</b>	<b>publisher</b>	<b>author</b>	<b>year</b>	<b>source</b>
0	Human communication : the basic course	Fourteenth edition. Place of publication not identified : Pearson, 2018	DeVito, Joseph A. 1938- author.	2018	cityu media.csv
1	Human communication : the basic course	Thirteenth edition. Boston : Pearson Education, 2015	DeVito, Joseph A. author.	2015	cityu media.csv
2	Ongoing crisis communication : planning, managing, and responding	Fourth edition. Thousand Oaks, California : SAGE, 2015	Coombs, W. Timothy author.	2015	cityu media.csv
3	Ongoing crisis communication : planning, managing, and responding	Fourth edition Thousand Oaks, California : SAGE Publishing, Inc. 2015	W. Timothy Coombs, University of Central Florida	2015	cuhk media.csv
4	Ongoing crisis communication : planning, managing, and responding	3rd ed Thousand Oaks, Calif. : SAGE c2012	W. Timothy Coombs	2012	cuhk media.csv
5	Advertising and promotion : an integrated marketing communications perspective	9th ed., global ed. New York : McGraw-Hill Irwin, c2012	Belch, George E. (George Edward), 1951- Belch, Michael A	2012	cityu media.csv
6	Advertising and promotion : an integrated marketing communications perspective	10e, Tenth edition New York, NY : McGraw-Hill 2015	George E. Belch & Michael A. Belch	2015	cuhk media.csv

	<b>title</b>	<b>publisher</b>	<b>author</b>	<b>year</b>	<b>source</b>
0	Sociology	12th ed. New York : McGraw-Hill, c2010	Schaefer, Richard T.	2010	cityu sociology.csv
1	Sociology	Fifteenth edition.; Global edition. Harlow, Essex, England : Pearson, 2015	Macionis, John J.	2015	cityu sociology.csv
2	Sociology	2nd ed. Oxford ; New York : Oxford University Press, 2003	Fulcher, James. Scott, John 1949-	2003	cityu sociology.csv
3	Sociology	6th ed. [rev. & updated]. Cambridge, UK ; Malden, MA : Polity, 2009	Giddens, Anthony. Sutton, Philip W	2009	cityu sociology.csv
4	Cities in a world economy	3rd ed. Thousand Oaks, Calif. : Pine Forge Press, c2006	Sassen, Saskia.	2006	cityu sociology.csv
5	Cities in a world economy	4th ed Thousand Oaks, Calif. : SAGE/Pine Forge c2012	Saskia Sassen	2012	cuhk sociology.csv
6	The archaeology of early China : from prehistory to the Han Dynasty	New York, NY : Cambridge University Press, 2015	Shelach-Lavi, Gideon author.	2015	cityu sociology.csv
7	The archaeology of early China : from prehistory to the Han Dynasty	New York, NY : Cambridge University Press 2015	Gideon Shelach-Lavi	2015	cuhk sociology.csv
8	The practice of social research	Fourteenth edition. Boston, Massachusetts : Cengage Learning, 2016	Babbie, Earl R.	2016	cityu sociology.csv
9	The practice of social research	13th ed., student ed Belmont, Calif. : Wadsworth Cengage Learning c2013	Earl Babbie	2013	cuhk sociology.csv
10	The practice of social research	Fourteenth edition Boston, MA : Cengage Learning 2016	Earl Babbie, Chapman University	2016	cuhk sociology.csv

Part of overlapping books of Communication and sociology between the two universities.

# Results 2 – This part was to be perfect later in the report.

## Overlapping books of sociology

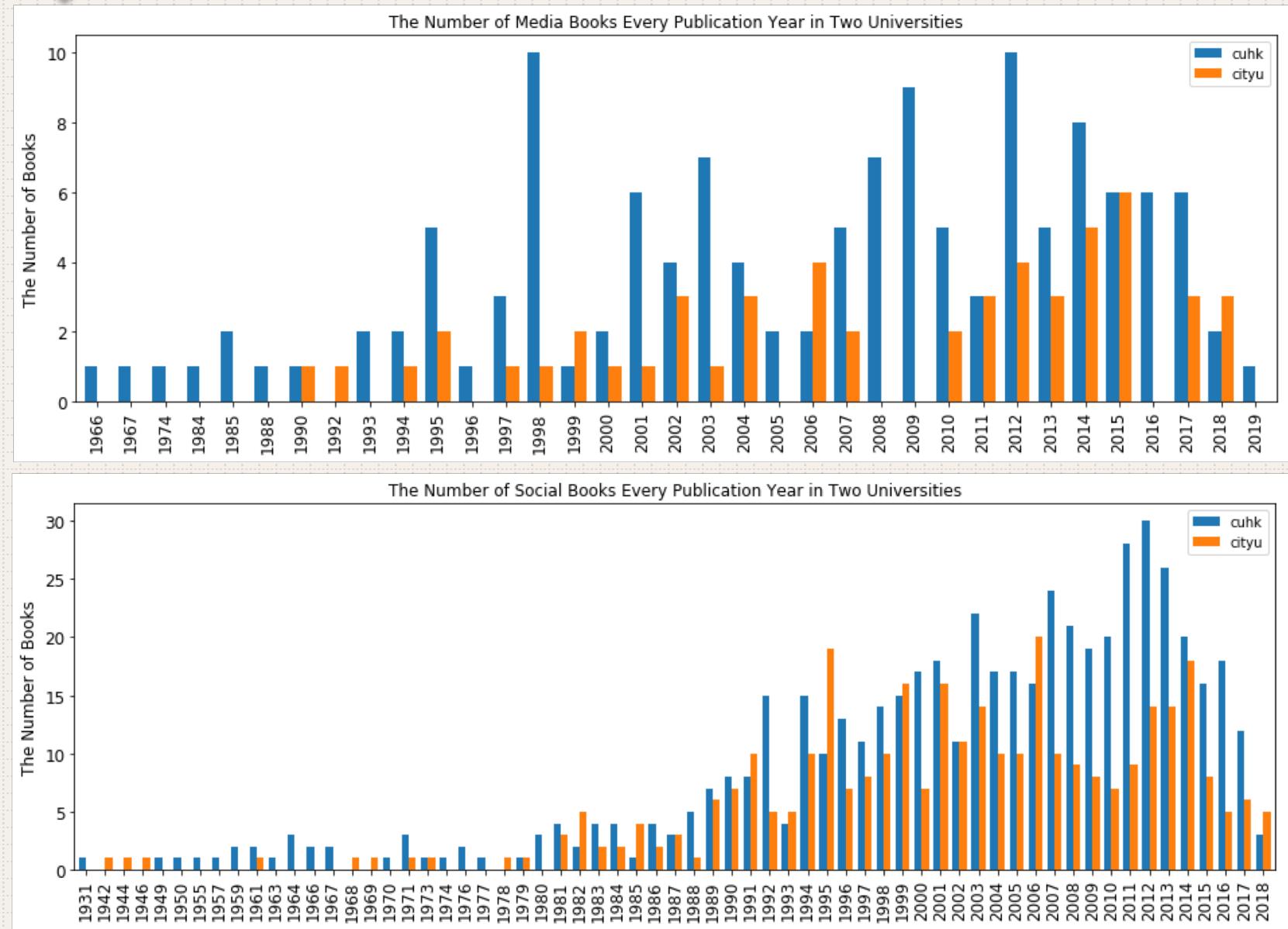
	<b>Titles</b>	<b>City U</b>	<b>CUHK</b>	<b>CUHK another</b>
0	Schools and society : a sociological approach to education	2nd ed. Belmont, CA : Wadsworth/Thomson, c2004	3rd ed Los Angeles : Pine Forge Press c2008	NaN
1	Modern social work theory	Fourth edition. Basingstoke : Palgrave Macmillan, 2014	3rd ed Chicago, Ill. : Lyceum Books, Inc. c2005	NaN
2	Qualitative inquiry & research design : choosing among five approaches	3rd ed. Thousand Oaks, Calif. : SAGE, c2013	2nd ed Thousand Oaks : Sage Publications c2007	NaN
3	Social research methods	4th ed. Oxford : Oxford University Press, c2012	Oxford ; New York : Oxford University Press c2012	International Edition Oxford : Oxford University Press 2016
4	Qualitative research methods for the social sciences	7th ed. Boston : Allyn & Bacon, c2009	6th ed Boston : Pearson/Allyn & Bacon c2007	8th ed Boston : Pearson c2012
5	Case study research : design and methods	3rd ed. Thousand Oaks, Calif. : Sage Publications, c2003	Fifth edition Los Angeles : SAGE 2014	NaN
6	Research design : qualitative, quantitative, and mixed methods approaches	4th ed. Thousand Oaks : SAGE Publications, c2014	Fourth edition, international student edition Los Angeles, Calif. : SAGE 2014	3rd ed Thousand Oaks, Calif. : Sage Publications c2009
7	The practice of social research	Fourteenth edition. Boston, Massachusetts : Cengage Learning, 2016	Fourteenth edition Boston, MA : Cengage Learning 2016	13th ed., student ed Belmont, Calif. : Wadsworth Cengage Learning c2013
8	Cities in a world economy	3rd ed. Thousand Oaks, Calif. : Pine Forge Press, c2006	4th ed Thousand Oaks, Calif. : SAGE/Pine Forge c2012	NaN

## Overlapping books of communication

	<b>Titles</b>	<b>cityu</b>	<b>cuhk</b>	<b>cuhk another</b>
0	Ongoing crisis communication : planning, managing, and responding	Fourth edition. Thousand Oaks, California : SAGE, 2015	Fourth edition Thousand Oaks, California : SAGE Publishing, Inc. 2015	3rd ed Thousand Oaks, Calif. : SAGE c2012
1	Advertising and promotion : an integrated marketing communications perspective	9th ed., global ed. New York : McGraw-Hill Irwin, c2012	10e, Tenth edition New York, NY : McGraw-Hill 2015	NaN

Overlapping books with different editions.

# Results 3



The comparison of the two universities according to year and amount.

In terms of the larger total amount, the publish year of the books in CUHK distribute wider.

# Results 4



**This is the word cloud of  
CityU's communication and  
sociology we generated  
using python.**



# Results 4

**This is the word cloud of CUHK's communication and sociology we generated using python.**





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『Limitation』



## Limitation

- 1: The data source is not complete. Only liberal arts, no other kinds of subjects like science, business studies etc.**
- 2: Lack information about countries of books or authors.**



Thank You!

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2018.11.28