

Building a Bridge Among Experts: Data Boot Camp for East Asian Studies Librarians at the University of Michigan, United States

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University of Michigan
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## WHO I AM

- International Government Information and Public Policy Librarian/ Mathematics and Statistics librarian (Interim)
- University of Michigan
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- Information seeking behavior of academic researchers, international geospatial data discovery, research data services



# 2017 Workshop of Korean Data Services, Nov 15-16, 2017



## Story what I want to share

- Why did we plan the data service workshop for the East Asian studies librarians?
- What did we provide for attendees?
- What kind of feedbacks we received from attendees?
- What I learned from the experience?
- What is our next move?

New roles of Subject/Liaison
Librarians

- Kenny, Anne. (2014) Leveraging The Liaison Model: From Defining 21<sup>st</sup> Century Research Libraries to Implementing 21<sup>st</sup> Century Research Universities, *Ithaka S+R*.
- Jaguszwski, Janice & Williams, Karen. (2013) New Roles for New Times: Transforming Liaison Roles in Research Libraries, Association of Research Libraries,

- An engaged liaison seeks to enhance scholar productivity, to empower learners, and to participate in the entire (academic) lifecycle of the research, teaching, and learning process Jaguszwski & Williams (2013)
- Emphasis on initial and ongoing training program and the development of information packet that characterize a library's ability to offer support in key areas, such as scholarly communication, publishing, copyright protection, and academic computing Kenny (2014)
- Knowledge about institutional repositories and research data management service.

## **Current efforts**

- Group approach:
  - merge between Asia Library and International Studies
  - Building a consultation team across units
- Encourage conversations with Faculty : especially research data management services
- Hire a data librarian(s) for data consultation/management services

# Why do we need data literacy education for regional experts?

- Language Barrier for consultation services
- Collection Development : Copyright and license agreements related to international data
- Role of mediator: Information Seeking Behavior of Faculty
- Background Information about data

# How to measure gender inequality?

■ In case of African countries or India?

■ In case of Japan and Korea?

# How to measure gender inequality ?

- In case of African countries or India?
  - Literacy rate by gender
  - Gender ratio of higher education enrollment
- In case of Korea?
  - Literacy rate 98 %
  - Gender ratio of higher education enrollment –almost same

# How to measure gender inequality ?

- In case of African countries or India?
  - Literacy rate by gender
  - Gender ratio of higher education enrollment
- In case of Korea?
  - Economic participation rates and unemployment rates by gender and age

#### Exercise

#### Find the number from the dataset

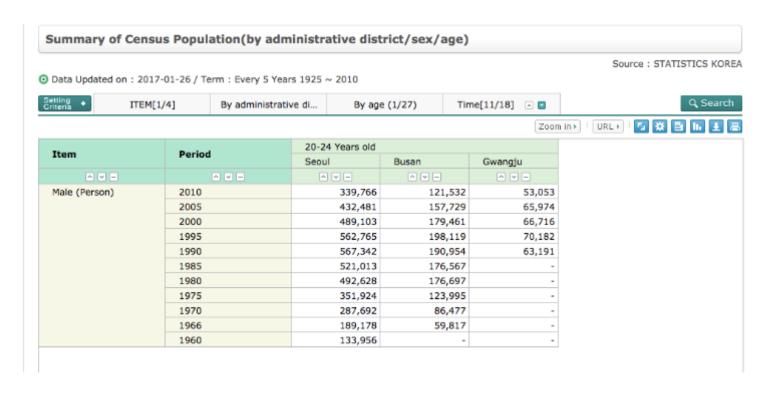
	Total	Male	Female
Participation rate, 20-	65.2 (2003)	69.6(2003)	61.3(2003)
29 age, 2003 & 2016	64.7 (2016)	63.7(2016)	65.6(2016)
Participation rate, 40-	78.6(2003)	94.0(2003)	63.0(2003)
49, 2003 &2016	81.0 (2016)	94.2(2016)	67.4(2016)
Unemployment rate, 20-29, 2003 & 2016	7.7.(2003)	8.9 (2003)	6.4(2003)
	9.8(2016)	10.9(2016)	8.8(2016)
Unemployment , 40-	2.2(2003)	2.3(2003)	2.0(2003)
49, 2003-2016	2.1(2016)	1.9(2016)	2.4(2016)

#### **Data Interpretations**

- 1. Compare 40-49 age group participation rate of male and female
- 2. Observe participation rate and unemployment of women in 2003:
- 3. 61.3 +6.4 (2003)/ 65.6 +8.8 (2016)
- 4. Compare unemployment rate between 20-29 and 40-49 age group of male

## Understanding the data

#### Why too many missing data in Gwangju?



+ 2017 Workshop on Korean Data Services

# The Beginning

- The Council of East Asian Libraries Meeting
  - Korean Government Information and Statistics 2016 The committee on Korean Materials meeting
  - The Reference Service for Non-traditional clients of Asia Library 2017 Committee on Public Service meeting
  - http://www.eastasianlib.org/



#### Council on East Asian Libraries

CEAL, The organization for East Asian librarians in North America Working for East Asian Librarians since 1958

# Planning the workshops

- Pre-demographic survey of attendees
  - Half of attendees (16 out of 31) serve multiple areas: Chinese and Korean studies, Korea and Japanese studies, East Asian studies, and Korean only (7)
  - Three faculty members of political science, Korean studies and school of information, two grad students, 26 librarians from US, Canada, Korea, and Netherland

## Planning the workshop

- 12 Sessions
  - International data
  - Korean data
  - Chinese data
  - Japanese data
  - Social Science Data
  - GIS information
  - U-M library research data management service
  - ICPSR data related to Korean studies and data preservation services
  - Digital humanities in Korean studies
  - Text Mining
  - Programming tools for Korean catalog system
  - Wrap-up

## +

### Instructors

- Clark library for Gov. info, Map and data services (U-M)
- RDS, Social Science, Digital Scholarship (U-M)











■ Asia Library (U-M)





■ ICPSR & Princeton university





## Planning the workshop

- Hands-on session : use real examples
- Provide data information of Korea, Japan, and China
- Introduce useful databases that attendees can actually use for their reference services: KOSIS, KOSSDA, OECD iLibrary, China Data Online etc.
- Provide information about strengths and weaknesses/limitations of the databases
- Add data visualization and research data management components

## **Feedbacks**

- Google Form survey: 14 respondents
- Long Reports from grant recipients : 6 recipients
  - Two participants received IASSIST event sponsorship grants
- Very positive response about the hands-on sessions.
- Want more and longer classes: 90 minutes class was not enough, especially hands-on sessions, such as Korean Data and GIS.
- Detailed information about databases and strategies of how to conduct data reference services were well appreciated.
- "After coming back from the workshop, I already helped a student finding a report on Chinese rural areas using the OECD iLibrary."
- Text mining

## What I learned

- Class size matters for hands-on exercises
- Hans-on session helps attendees to understand data's characteristics
- Discuss about the meaning of data gives an idea to area specialists how to conduct data reference service
- Data reference service: Group approach within a library does not work well in current stage for East Asian studies librarians. Collaboration across libraries works well for them.
- Data visualization and research data management sessions: enhance collaboration with data librarians in their universities
- Data literacy education for area specialists will significantly improve the quality of library service in the future.

## What is next?

- Launch International Data Workshop series at the Clark Library, University of Michigan
- May 15-16, 2019
- International Data workshop: Latin America and the Caribbean Studies
  - July 2018 workshop at the SALALM conference

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**ICPSR** 

IASSIST event sponsorship committee

### +

### **Endnote**

- Kenny, Anne. (2014) Leveraging The Liaison Model: From Defining 21<sup>st</sup> Century Research Libraries to Implementing 21<sup>st</sup> Century Research Universities, *Ithaka S+R*. <a href="http://www.sr.ithaka.org/wp-content/mig/files/SR">http://www.sr.ithaka.org/wp-content/mig/files/SR</a> BriefingPaper Kenney 20140322.pdf
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