Korean Data

2017 Workshop on Korean Data
Jungwon Yang, University of Michigan (11/16/2017)
Who I am

- Jungwon Yang
- International Government Information and Public Policy Librarian
- University of Michigan
- yangjw@umich.edu
- Studied political science & Library Information Science
- International political Economy, International organization, & Asian politics
- Information seeking behavior of academic researchers, International data discovery, research data services
KOSIS statistics
Sub-national level Data : Korea

- Korean Statistical Information Services (KOSIS)
  - Population
  - Income/wage
  - Employment
  - Finance
  - Welfare
  - Education
  - Environment

- Open to public
Sub-national level Data

Korean Statistical Information Services (KOSIS)

○ English version vs. Korean version
○ Coverage: e.g. population 1970 vs. 1925
○ Annual vs. Yearly, Quarterly, Monthly
KOSIS: Language barrier

- Which data is *Projected Population by Age*?
Importance of metadata

- Metadata
- Codebook
- Reference data

Data librarian needs your help!
KOSIS : Historic data
Summary of Census population

- Female population, 30-34 years old, Incheon, between 1970-2010?
  - Go to population/household
  - Population by census generalization
  - Summary of Census population (by administration district/sex/age), every 5 years 1925-2010
KOSIS data retrieval

### Statistical Database

**Summary of Census Population (by administrative district/sex/age)**

Data Updated on: 2017-01-26 / Term: Every 5 Years 1925 ~ 2010

|------------------|----------|-------------------------|----------------|-----------|

So far you selected Item(1) X Classification(27*27) X Time(1) = 729 Cell(s) [20,000 (Search) | 200,000 (Download) | Not Downloadable]

- Population
- Male
- **Female**
- Sex ratio
KOSIS data retrieval

Pivot function
Download as excel
Excercise

Number of Males, 20-24 years old, Seoul & Busan, 1970-2010?

<table>
<thead>
<tr>
<th>Year</th>
<th>Seoul</th>
<th>Busan</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1995</td>
<td></td>
<td></td>
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<tr>
<td>2010</td>
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</tbody>
</table>
Understanding the data

- Why missing data in Gwangju?
Economic Statistics
Sub-national level Data : Economic data

- The Bank of Korea’s **Economic Statistics System** (ECOS)
- Korean vs. English version
- Monthly/Quarterly/Yearly data Available
- Excel & CVS file format

- **KOSIS vs. ECOS**
  - E.g. Consumer Price Index of Fresh fruits (1990-2016) vs. CPI of Apple (1965-present)
KOSSDA data
KOSSDA was established in 1983.

Data related to politics, government, economy, business, society, psychology, welfare, education and more.

Responsible for translating the Korean General Social Survey (KGSS) into English, and depositing it into the Inter-university Consortium for Political and Social Research (ICPSR) at the University of Michigan.

In early 2015, KOSSDA became a part of the Seoul National University’s Asia Center.
How to access the database

- KOSSDA individual account is free for researchers in foreign academic institutions: contract between Korean Government agency (KF) and KOSSDA
  - That is why you need to create an individual account from the KF website

- Your client also need to create an individual account via KF to use the KOSSDA data. You need to assist how to do it.
  - Create KF account first
  - Submit KOSSDA account application
  - Provide their academic institution’s email address. It is only way that the KF identify them as a research from abroad.
  - Review process: 3-4 business days
KOSSDA account accession

- KF account log in first
- GO to KOSSDA

Registration Process

Open the KF website -> Login or Create an account -> Open the KF-KOSSDA Social Science Data Service site -> Click Go to KOSSDA to fill out an application form -> KF Approval
Approved users can access the KOSSDA database from the KF website by clicking the menu on the right or by clicking the "Go to KOSSDA" link at the bottom of this page.

Notes:
- Completion of the registration process is required to access the KOSSDA database.
- Registered student users are granted KOSSDA access for a three-year period, which can be renewed.
- KOSSDA access will be denied for any user who submits incorrect registration information or is otherwise deemed ineligible.

Go to KOSSDA
Korean Social Science Data Archive (KOSSDA)

- Seoul National University
- Korean and English version
- Qualitative and Quantitative survey data

- Good news! : new platform in 2018
- Bad news : You need to relearn the platform in the future...
Searching

- Qualitative data
- Quantitative data
- Literature
- Type keyword
- Browse by Subject
Questionnaire Codebook

Move to NESSTAR

Data Order

Not available in online. Need to use document delivery service. Contact ask-korea@umich.edu (UM scholar only)
# NESSTAR: Variable Description

**Dataset:** 2003 Korean National Youth Survey: Elementary School Students, Type A

**Description:**

<table>
<thead>
<tr>
<th>Relationship between family members</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Respondent ID</td>
</tr>
<tr>
<td>- Father's age</td>
</tr>
<tr>
<td>- Mother's age</td>
</tr>
<tr>
<td>- Father's date of birth</td>
</tr>
<tr>
<td>- Mother's date of birth</td>
</tr>
<tr>
<td>- Grand father's name (father's side)</td>
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<tr>
<td>- Grand mother's name (father's side)</td>
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<tr>
<td>- Grand father's name (mother's side)</td>
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<tr>
<td>- Grand mother's name (mother's side)</td>
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<tr>
<td>- Relationship with father</td>
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<tr>
<td>- Relationship with mother</td>
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<tr>
<td>- Relationship with siblings</td>
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<tr>
<td>- How satisfied with family</td>
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<tr>
<td>- Average time having conversation with parents: Hours</td>
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<tr>
<td>- Average time having conversation with parents: Minutes</td>
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<tr>
<td>- [CRC] Average time having conversation with parents</td>
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<td>- [RLE] Average time having conversation with parents</td>
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</tbody>
</table>
### Data Order & Download

**View your recent data use history and click the button of your choice.**

- **Order**: Click here for ordering new data or re-ordering expired data (You must fill out a request form after the click)
- **Add New Data**: Click here for adding new data for the same purpose as your existing order
- **Download**: Download the data if the order status appears as "approved"

<table>
<thead>
<tr>
<th>Select</th>
<th>Date</th>
<th>Order Status</th>
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<th>Title</th>
<th>Download</th>
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<td>For research</td>
<td>Test 2</td>
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</table>
Choose your purpose of use and fill out a request form.

- For research
- For education
- For browse

After placing an order, you may download data from [MY KOSSDA -> Data Order].

The number of downloads allowed for qualitative and quantitative data per year are limited to 30 data sets. For more data download, KOSSDA's permission must be received. The term of validity for the use of download data is 1 year.

How to Access Data

Copyright © Korea Social Science Data Archive. All rights reserved.
How to adjust pop-box size
Support

Data Order & Download

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- **Download**
Searching & Download Tips

- For more information, try to use both English and Korean Version KOSSDA
- After 30 usage, the data will not be able to be downloaded
- Login via the KF website
Questions?