Digital Scholarship
Challenges and Opportunities
“A” Selector’s Perspective

Azusa Tanaka
Japanese Studies Librarian
University of Washington
Digital Scholarship project I am working on involves....
Gai Ho Zu

外邦図

Outside

Maps

Japanese Territory

Military maps prepared by the former Japanese Army (1880s - 1945)
Japan’s Defeat in August 1945

distributed to

- Library of Congress
- University of Auburn
- Clark University
- Harvard University
- Louisiana State University
- Northwestern University
- Princeton University
- Stanford University
- University of Georgia
- UC Berkeley

- University of Chicago
- University of Colorado
- University of Hawaii
- University of Illinois
- University of Michigan
- University of Texas
- University of Washington
- Washington State University

---------etc

http://library.stanford.edu/guides/gaihozu-japanese-imperial-maps
7,000+ at University of Washington
How to organize them?
Catalog?
Inventory?
Japan Studies Librarians
Map Librarians
Map Catalogers
GIS Librarian
Metadata Librarian
Geography Scholars
Japan Studies Faculty
GIS Students
AI/Machine Learning/Data Scientists
Descriptive Data = Valuable!
<table>
<thead>
<tr>
<th>Folder</th>
<th>Title</th>
<th>Series Title 1</th>
<th>Series Title 2</th>
<th>Scale</th>
<th>Secrecy Level</th>
<th>AMS</th>
<th>Lat</th>
<th>Lan</th>
<th>W</th>
<th>Color</th>
<th>Creator</th>
<th>Surveyed</th>
<th>Surveyed (Western)</th>
<th>Printed in YYYY</th>
<th>Printed in (We)</th>
<th>Published (Western)</th>
<th>Published</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>本巌</td>
<td>東京都五十丁目一丁目</td>
<td>東京都五十丁目二丁目</td>
<td>1,000,000</td>
<td>applies</td>
<td>999837</td>
<td>36.666</td>
<td>122.5</td>
<td>46</td>
<td>58</td>
<td>3色</td>
<td>(黒・青・茶)</td>
<td>昭和13年</td>
<td>昭和13年</td>
<td></td>
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</tbody>
</table>

**Title**

**Series Title**

**Scale**

**Secrecy Level**

**Coordinates**

**Color**

**Creator**

**Holding Institutes**

**URLs**

**Surveyed by**

**Printed in YYYY**

...etc

38 fields
You can do so much with raw data
Which area maps were made when?
Which areas were more important?
Data? Anybody?
Maps are usually cataloged in MARC format.
MARC format → spreadsheet
Coordinates information is missing...
3.3D. Optional addition. Statement of coordinates and equinox

3.3D1. For terrestrial maps, etc., give the coordinates in the following order:

westernmost extent of area covered by item (longitude)
easternmost extent of area covered by item (longitude)
northernmost extent of area covered by item (latitude)
southernmost extent of area covered by item (latitude)

Express the coordinates in degrees (°), minutes (′), and seconds (″) of the sexagesimal system (360° circle) taken from the Greenwich prime meridian. Precede each coordinate by W, E, N, or S, as appropriate. Separate the two sets of latitude and longitude by a diagonal slash neither preceded nor followed by a space. Separate each longitude or latitude from its counterpart by a dash.

(E 79°—E 86°/N 20°—N 12°)
(E 15° 00′ 00″—E 17° 30′ 45″/N 1° 30′ 12″—S 2° 30′ 35″)
(W 74° 50′—W 74° 40′/N 45° 05′—N 45° 00′)

Optionally, give other meridians found on the item in the note area (see 3.7B8).
Descriptive data matters
Opportunity to explore the best ways to describe our great collections and how to share the information.
Subject librarians = closest to the users
ARL Digital Scholarship Institute

The ARL Digital Scholarship Institute (DSI) is a five-day, cohort-based opportunity for library professionals and graduate students enrolled in a library and information science program who are new to digital scholarship and would like to develop their skills in an intensive, yet supportive, learner-centered environment. Guided by the principles of community, diversity, impact, openness, and sustainability, the Digital Scholarship Institute fosters a community dedicated to advancing the field of digital scholarship.

July 29 - August 2, 2019
Application due: April 12, 2019

https://www.arl.org/focus-areas/scholarly-communication/digital-scholarship/arl-digital-scholarship-institute
Digital Humanities Summer Institute

June 3-7 + 10-14, 2019

http://dhsi.org/index.php
Our Workshops ›
Find or host a workshop.

Our Lessons ›
Have a look at what we teach.

Get Involved ›
Help us help researchers.

Recent Blog Posts
In addition of the posts below, find out what's happening in our community through The Carpentries blog, a great resource that collates posts from Data Carpentry, Library Carpentry, and Software Carpentry, and publishes updates of general interest to the community.

Upcoming Workshops
- **Pacific Northwest National Laboratory**
  - Mar 14 - Mar 15, 2019
  - Instructors: Kurt Glaesemann, Jeremy Teuton, Juan Brandi-Lozano
  - Helpers: Jeremy Zucker, Balwinder Singh

- **Vanderbilt University**
  - Mar 15 - Apr 19, 2019

Git lesson using worksheets

https://software-carpentry.org/
THURSDAY, FEBRUARY 28
6:00 PM  MAPTIMESEA
Mappy Hour!
Rooftop Brewing Company
14 Mappers going

FRIDAY, MARCH 1
9:30 AM  GENERAL ASSEMBLY SEATTLE
Data + Donuts
General Assembly Seattle
16 Learners going

THURSDAY, MARCH 7
5:30 PM  GOOGLE AI HUDDLE - SEATTLE
AI as a Service (AlaaS) and AutoML
Google Building A
73 Members going

THURSDAY, MARCH 14
6:30 PM  SEATTLE ARTIFICIAL INTELLIGENCE MEETUP
Machine Learning Lean Coffee
Kakao Chocolate & Coffee Cafe (SLU)
Human-Centered Design with Mira Lane

February 22, 2019

Today we present the final episode in our AI for the Benefit of Society series, in which we're joined by Mira Lane, Partner Director for Ethics and Society at Microsoft.

Subscribe: iTunes / Google Play / Spotify / RSS
Clean Water AI

Mar 04, 2019 at 8:00AM
by Cameron Tomisser

Clean Water AI is a device that uses a deep learning neural network to detect dangerous bacteria and harmful particles in water. Users can see drinking water at a microscopic level, just like they...

☆☆☆☆☆ 0 ratings 0 comments

view episode
4 Experiments Where the AI Outsmarted Its Creators

245,727 views • 10 months ago

The paper "The Surprising Creativity of Digital Evolution: A Collection of Anecdotes from the Evolutionary Computation and Artificial Life Research Communities" is available here:

https://arxiv.org/abs/1803.03453

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READ MORE
https://guides.lib.uw.edu/dsjapan
We remain doing what we are good at...

Collection

Providing access

Reference
Let’s learn together what’s happening in Digital Scholarship world and adjust our great work to make it even greater!
Thank you!

Azusa Tanaka
azusat@uw.edu
@azusata

https://guides.lib.uw.edu/research/gaihozu