Data and Maps in Reference and Reflections on working in Public and Technical Services

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**WHAT YOUR FAVORITE MAP PROJECTION SAYS ABOUT YOU**

**Mercator**
You're not really into maps.

**Van der Grinten**
You're not a complicated person, you love the Mercator projection, you just wish it weren't square. The Earth's not a square, it's a circle, you like circles. Today is gonna be a good day!

**Robinson**
You have a comfortable pair of running shoes that you wear everywhere. You like coffee and enjoy the Beatles. You think the Robinson is the best-looking projection, hands down.

**Dymaxion**
You like Isaac Asimov, XML, and shoes with toes. You think the Segway got a bad rap. You own 3D goggles, which you use to view rotating models of better 3D goggles. You type in Dvorak.

**Winkel-Tripel**
National Geographic adopted the Winkel-Tripel in 1998, but you've been a WTP fan since long before "Nat Geo" showed up. You're worried it's getting played out, and are thinking of switching to the Kavrayskiy. You once left a party in disgust when a guest showed up wearing shoes with toes. Your favorite musical genre is "post-".

**Goode Homolosine**
They say mapping the Earth on a 2D surface is like flattening an orange peel, which seems easy enough to you. You like easy solutions. You think we wouldn't have so many problems if we'd just elect normal people to Congress instead of politicians. You think airlines should just buy food from the restaurants near the gates and serve that on board. You change your own oil, but secretly wonder if you really need to.

**Hobo-Dyer**
You want to avoid cultural imperialism. You've heard bad things about Gall-Peters. You're conflict-averse and buy organic. You use a recently-invented set of gender-neutral pronouns and think that what the world needs is a revolution in consciousness.

**Plate Carrée (Equi-Rectangular)**
You think this one is fine. You like how X and Y map to latitude and longitude. The other projections overcomplicate things. You want me to stop asking about maps so you can enjoy dinner.

**A Globe!**
Yes, you're very clever.

**Peirce Quincuncial**
Really? You know the Waterman? Have you seen the 1909 Charles map it's based on? You have a framed reproduction at home? I'm sorry...I...listen, forget these questions. Are you doing anything tonight?

**Waterman Butterfly**

**Gall-Peters**
You think that when we look at a map, what we really see is ourselves. After you first saw Inception, you sat silent in the theater for six hours. It freaks you out to realize that everyone around you has a skeleton inside them. You have really looked at your hands.
Data and Maps in Reference and Reflections on working in Public and Technical Services
Cartaloging... Oh, the things I have LIRMed
Data and Maps in Reference and Reflections on working in Public and Technical Services

Presented by Lindsay Bontje
Agenda

- Discovering and using resources in the Map and Data Centre
- Thoughts and reflections on working in two locations
- Clearing the cataloging backlog
- Integrating new maps into the collection
Data and Statistics
LibGuide and Resources
Data or Statistics

- **Data**: dynamic numbers that can be manipulated and analyzed
- **Statistics**: fixed numbers or facts
Data and Statistics

Map and Data Centre Hours
Monday - Friday
9:30 am - 4:00 pm
Saturday/Sunday
Closed
See the hours page for holiday hours.

Map and Data Centre Website

I'm looking for...

<table>
<thead>
<tr>
<th>Microdata</th>
<th>Software</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics</td>
<td>Statistical help</td>
</tr>
</tbody>
</table>

Data or Statistics?
Statistics are derived from data. When deciding whether you need data or statistics ask yourself:

- Do I need a fact or a number? (you likely need statistics)
- Do I need to do analysis for my work? (you likely need data)

Data can be manipulated and analyzed while statistics are static and fixed.

There are two types of data: aggregate data and microdata. Aggregate data are statistical summaries organized in a specific data file structure that permits further computer analysis, that is, data processing. Microdata consist of the data directly observed or collected from a specific unit of observation.

Still confused? Click here for more in depth definitions of data terminology.

Licensing Information
Access to most data files are governed by license agreements between Western and the agency distributing the data. Typically, the
Data Sources

Canadian Data

- **odesi**
  - *odesi* collects social science data and polling data. *odesi* contains searchable survey questions and variables from thousands of datasets.
  - **Full description of odesi**

- **Statistics Canada Nesstar server**
  - Statistics Canada provides access to many of the microdata files released through the Data liberation initiative through their Nesstar server (the same software platform as *odesi*). Ultimately, all Statistics Canada microdata files should be available through this site. Currently, the site is password-protected. **Contact us** for the login information and please include your UWO email address for us to reply to.

International Data

- **Inter-University Consortium for Political and Social Research**
  - ICPSR contains a data archive of over 500,000 research files related to the social sciences.
  - **Full description of ICPSR**

- **OECD iLibrary**
  - The Organization for Economic Cooperation and Development provides access to OECD databases, indicators, and statistical yearbooks.
  - **Full description of the OECD iLibrary**

- **Internet Crossroads in Social Science Data**
  - Provides annotated links to data-related social science resources.

Open Data Repositories

- **Registry of Research Data Repositories**
  - A global research data repository covering data from a wide variety of disciplines. Browsable by subject, content type, and country.

Citing Microdata

- **odesi**
  - *odesi* provides examples for citing both microdata and aggregate data accessed through
Data Sources

- Social science and polling data
- Data from:
  - Statistics Canada
  - Canadian Opinion Research Archive
  - Canadian Gallup
  - Ipsos Reid
Cartographic Resources
Cartographic Resources

- Sheet maps
- Topographic maps
- Historical maps
- Fire insurance plans
- Aerial photographs
- Atlases
Sheet Maps

- Approximately 220,000 sheet maps
- Topographic, tourist, road, thematic, geological, soil maps and hydrographic charts
- Focus on maps of London, Ontario, and Canadian subjects
- Extensive international coverage
Topographic Maps

- Describe prominent physical and cultural features in a place or region
  - Includes elevation, political boundaries, water features, etc.
- **Searching for topographic maps**
- Complete coverage available for Canada
- At least some coverage available for most countries

Area near Banff, Alberta
Available for Canada and the United States

Picton, Ontario

Gatlinburg Quadrangle
Topographic Maps - Paper

- Searchable in the library catalog
Historical Maps

- Reproductions/facsimiles
- Original historical maps

The Peutinger Map

A particular map, to illustrate Gen. Amherst's expedition to Montreal with a plan of the town & draught of ye island
Fire Insurance Plans
Fire Insurance Plans

- Western Libraries holds plans from 1878 to 1973
- 1000 volumes for 500 locations
- **Searching for fire insurance plans**

Fire insurance plan shelves in the Map and Data Centre’s shared room
Western and Sarnia Road from the air
Aerial Photographs

- 60,000 photographs dating from 1922 to 2001 for London and southern Ontario
- **Searching for coverage**
- Digital and physical air photos
Atlases

- Over 2000 atlases for in library reference
- World, regional, national, provincial, state and thematic atlases on a wide variety of subjects
- Searching for atlases - Ukraine
Reflections on Working in Two Locations
Work in MDC affecting work in LIRM

- Understanding of what people want to know from the catalog record
- Better understanding of how to search the catalog and what information is available
- Understanding of how items make their way through LIRM
- Twitter series on how a map makes its way to the Map and Data Centre
Work in MDC affecting work in LIRM

Case study: topographic series procedures and policies
  - No set policy on how all map series must be cataloged
Clearing the Cataloging Backlog
Clearing the Backlog

- Over 200 maps sitting in LIRM
- Maps ordered and received as early as 2013
- Cleared the backlog in February of 2016!
Integrating New Maps into the Collection
Integrating new maps into the collection is a two step process:
- Decide where to locate the map
- Weed older material
Questions?
Thank you!