Using Linked Data Relationships to Enhance Discovery and Mitigate Bias

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Semantic Web in Libraries 2021
December 3, 2021
Problem

Library catalog at major research university in US

Library of Congress Subject Headings (LCSH)
Proposal & Approach

- Controlled vocabularies from communities
- Multiple front doors to collections
- Linked Data connections
  - As defined by community

Turn the lens

*Prism_flat_rainbow.jpg*, Kelvinsong, CC0, via Wikimedia Commons
Application

- Proof of concept
- JavaScript and HTML
- Interface design inspired by IHLIA LBGTI Heritage

https://github.com/jlhardes/metadataBias

Inclusivity in Metadata

Homosaurus v3 terms

Select a term below from Homosaurus.org to see search options for finding results in Indiana University's online library catalog (IUCAT). Use the Homosaurus terms to find expanded and more current result sets based on this controlled vocabulary designed for discovery of LGBTQ resources.

Adoptive parents
Age of consent
AIDS Activists
AIDS memorial quilts
AIDS phobia
Amazons
Anal sex
Anti-discrimination law
Anti-feminism
Asexual people
Autoeroticism
Aversion therapy
Bears
Behavioural therapy
Biphobia
Birth certificates
Birth parents
Bisexual Jews
Bisexual men
Bisexual parents
Bisexual women
Bisexual youth
Blindfolds
Blogs
Boys

The Homosaurus is an international linked data vocabulary of LGBTQ terms that supports improved access to LGBTQ resources within cultural institutions. Designed to serve as a companion to broad subject term vocabularies, the Homosaurus is a robust and cutting-edge vocabulary of LGBTQ-specific terminology that enhances the discoverability of LGBTQ resources.

This interface design is based on the design of the search aid provided at IHLIA LBGTI Heritage.
Homosaurus
AN INTERNATIONAL LGBTQ+ LINKED DATA VOCABULARY
https://homosaurus.org
IHLIA is the heritage organisation with a socially relevant and indispensable collection. IHLIA is continuously involved in collecting information about the LGBTQI community and making it accessible. LGBTQI stands for lesbian, gay, bisexual, transgender, intersex person.
https://iucat.iu.edu
Homosaurus Vocabulary Terms

Graphical Views
- Tree View
- Indented Bars View

Current Term List
- 5-alpha reductase deficiency
- Acault
- Adoptive parenthood
- Adoptive parents
- Adult Children of Alcoholics
- Aa/Aar/Aarself (Pronouns)
- Age of consent
- Agender people
- Ageplay
- Agi
- AIDS activists
- AIDS awareness
- AIDS education
- AIDS information centres
- AIDS memorial quilts
- AIDS memorials
- AIDS organisations
- AIDS periodicals
- AIDS phobia
- Akava'ine
- Ai-Anon
- Alcoholics
- Alcoholics Anonymous
- Alcoholism
- Ali
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- Alcoholics Anonymous
- Alcoholism
- Ali

AIDS activists (https://homosaurus.org/v3/homoit0000024)

Preferred Label
AIDS activists

Identifier
homoit0000024

Issued (Created)
2019-05-14

Modified
2019-05-14

External Exact Match
http://id.loc.gov/authorities/subjects/sh93005197
### AIDS activists

**Preferred Label**
- AIDS activists

**Identifier**
- homoit0000024

**Issued (Created)**
- 2019-05-14

**Modified**
- 2019-05-14

**External Exact Match**
- [http://id.loc.gov/authorities/subjects/sh930056197](http://id.loc.gov/authorities/subjects/sh930056197)
AIDS activists

URI(s)
- http://id.loc.gov/authorities/subjects/sh93005197
- info:lc/authorities/sh93005197
- http://id.loc.gov/authorities/sh93005197#concept

Instance Of
- MADS/RDF Topic
- MADS/RDF Authority
- SKOS Concept

Scheme Membership(s)
- Library of Congress Subject Headings

Collection Membership(s)
- LCSH Collection - Authorized Headings
- LCSH Collection - General Collection
- LCSH Collection - May Subdivide Geographically

Broader Terms
- Political activists

Closely Matching Concepts from Other Schemes
- AIDS activists
- HIV activists
- Label from public data source Wikidata
- Movements de lutte contre la sida

Subject Of Works
- 20 resources: filter

A & U America's AIDS magazine
Advocate
Bay area reporter
Chazan, May, grandmothers' movement solidarity and survival in the time of AIDS
Cheng, Jih-Fei, 1976- AIDS and the distribution of crises
Gao, Yaojie, 1927- Jing tou xia de zhen xiang ji Zhongguo ai zi bing shi kuang = Truth under the lens : a live documentary of AIDS in China 鏡頭下的真相 : 記中國愛滋病實況 = Truth under the lens : a live documentary of AIDS in China
Irwin, Alexander C., 1960- Global AIDS myths and facts : tools for fighting the AIDS pandemic
James, John S., 1941- AIDS treatment
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Bisexual women
Bisexual youth
Blindfolds
Blogs
Boys
Breasts
Brothels
Butch

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Exact Match (LCSH):
AIDS activists

Close Match (LCSH):

Narrower:

Preferred:
AIDS activists

Broader:
http://homosaurus.org/v3/homoit0000007

Use For:

Related:
http://homosaurus.org/v3/homoit0000005
http://homosaurus.org/v3/homoit0001026
http://homosaurus.org/v3/homoit0000030
Exact Match (LCSH):
Sex role

Close Match (LCSH):

Narrower:
http://homosaurus.org/v3/homoin0000655
http://homosaurus.org/v3/homoin0001479
http://homosaurus.org/v3/homoin0000105
http://homosaurus.org/v3/homoin0001313
http://homosaurus.org/v3/homoin0001374
http://homosaurus.org/v3/homoin0001508
http://homosaurus.org/v3/homoin0000231
http://homosaurus.org/v3/homoin0000440

Preferred:
Gender roles

Broader:
http://homosaurus.org/v3/homoin0001241

Use For:

Related:
http://homosaurus.org/v3/homoin0000047
http://homosaurus.org/v3/homoin0000389
http://homosaurus.org/v3/homoin0000995
http://homosaurus.org/v3/homoin0000562
Search Results

You searched for: Subject > Sex role

Limit your search

Newly Added Titles

Format

- Book: 8,138
- E-Book: 1,970
- Video & Film: 507
- Online Resource: 411

1. Ensaio sobre identidade e gênero

- Publication Details
  - Publication: Ensaio sobre identidade e gênero
  - Language: Portuguese
  - Format: Book

Availability

- Bloomington
Exact Match (LCSH): Gender-nonconforming people

Close Match (LCSH): Gender nonconformity

Preferred: Non-binary people

Use For:
- Nonbinary people
- Enbies
- NB-ies

Related:
- http://homosaurus.org/v3/homoi0000021
- http://homosaurus.org/v3/homoi0001378

Broader:
http://homosaurus.org/v3/homoi0001378

skos:closeMatch
Exact Match (LCSH):
Women's music

Close Match (LCSH):

Preferred:
Women's music

Narrower:

Broader:
http://homosaurus.org/v3/homoit000382

Use For:
Lesbian music
Wirmin's music
Women-identified music
Womyn's music

Related:
http://homosaurus.org/v3/homoit0001515
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Click here to reset.

### Exact Match (LCSH):

**Male impersonators**

### Close Match (LCSH):

### Preferred:

**Male impersonators**

Historical term describing a performer, often a female-identified person, who enacts a male persona for the purpose of entertainment, typically for straight audiences; use only in historical contexts

### Narrower:

**Male impersonators**

### Broader:

http://homosaurus.org/v3/homoit0001363

### Use For:

### Related:

http://homosaurus.org/v3/homoit0000373
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**Exact Match (LCSH):**

- Gay liberation movement

**Close Match (LCSH):**

**Narrower:**

- http://homosaurus.org/v3/homoi0001187
- http://homosaurus.org/v3/homoi0000162
- http://homosaurus.org/v3/homoi0000510
- http://homosaurus.org/v3/homoi0001423
- http://homosaurus.org/v3/homoi0000753

**Preferred:**

- LGBTQ+ movement

**Broader:**

- http://homosaurus.org/v3/homoi0001322

**Use For:**

**Related:**

- http://homosaurus.org/v3/homoi0000523
### Current Status

Linked Data helps define but not implement.

Nothing automated yet.

This use case still developing.
Evaluation

Librarian view: Learning tool for researchers new to or outside community

Need: Evaluate with researchers new to or outside community

Need: Evaluate with researchers familiar with or inside community

MORE EVALUATION NEEDED!
Additional Work (Opportunities!)

● Other community vocabularies
  ○ Linked Data vocabularies?
  ○ [BC First Nations Subject Headings](#), Xwi7xwa Library, University of British Columbia
  ○ [Classification Schemes and CVs](#) - vocabularies from various communities

● Automating
  ○ Is API needed from Linked Data vocabulary?
  ○ Possible to switch out vocabulary and/or discovery system (offer configuration)?
Questions? Comments!

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https://github.com/jlhardes/metadataBias

Thank you to those who have contributed and helped along the way with this proof of concept information retrieval aid: Justina Kaiser at Miami University of Ohio, Allison Nolan at Tarleton State University, Bri Watson at University of British Columbia, and K.J. Rawson at Northeastern University and the Digital Transgender Archive