Making the Most Out of ArchivesSpace Classifications

Lilya K. Benz and Alexandra M. Bisio
University of Oregon Libraries
2021 June 30

What Are ArchivesSpace Classifications?

Staff Interface

Public Interface
### What Are ArchivesSpace Classifications?

#### Classifications

- **2011 recommendation:** N/A
- **Current recommendation:** I'm still not sure what this even means, so not sure what to do with this. Repository site map?
  - This seems to be functionality that different institutions can use in very different ways, similar to Repositories above.
  - After reading Scott’s comments, I’m concluding that Classifications refers to record groups. This is also a fairly technical term that is only common to records managers and institutional archivists, so I think we will need someone who uses classifications to weigh in with a more user-friendly term (Sue)
  - I would just ask for those of us who don’t use it, we can suppress this in our implementation of the front-end. — Susan Pyzynski
  - After reading through the comments I would favor “record groups” over classification, while making the label customizable. (Matt Francis)

- ArchivesSpace Confluence 2015
Genesis of the Project

What Are We Going to Cover?

- How to repurpose existing data to build a repository subject profile
- Demonstrate how to use subject analysis skills to build a classification hierarchy using repurposed data
- Creating a hierarchical classification record in ArchivesSpace
Repurposing Subject Data to Build a Repository Profile

Alexandra M. Bisio, MSLIS/MA
Lead Processing Archivist
University of Oregon Libraries

Tools and Resources

- MARC edit: https://marcedit.reeset.net/downloads
- OpenRefine: https://openrefine.org/
Choosing Your Data

Demonstrations
Subject Analysis & Determining Classifications

Liliya K. Benz, MLS
Special Projects Processing Archivist
University of Oregon Libraries

Tools and Resources

- [Library of Congress Classification Web](#)
  - Subscription based

- [Library of Congress Authorities](#)
  - Open access

- [Library of Congress Classification Outline](#)
  - Open access

- [OpenRefine](#)
  - Open source

- Microsoft Excel
Beginning the Project

- Topic spreadsheet (.xls): 1,908 topics
- Subjects by count (.xls): 136 topics

<table>
<thead>
<tr>
<th>TERM</th>
<th>COUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authors, American</td>
<td>264</td>
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<tr>
<td>Pioneers</td>
<td>195</td>
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<tr>
<td>Universities and colleges</td>
<td>178</td>
</tr>
<tr>
<td>Education, Higher</td>
<td>168</td>
</tr>
<tr>
<td>Frontier and pioneer life</td>
<td>156</td>
</tr>
<tr>
<td>Women authors, American</td>
<td>145</td>
</tr>
<tr>
<td>Children's literature, American</td>
<td>100</td>
</tr>
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<td>Legislators</td>
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<td>College students</td>
<td>70</td>
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<tr>
<td>Missionaries</td>
<td>65</td>
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<tr>
<td>Overland Journeys to the Pacific</td>
<td>64</td>
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<tr>
<td>World War, 1939-1945</td>
<td>62</td>
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<tr>
<td>Soldiers</td>
<td>62</td>
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<tr>
<td>Lawyers</td>
<td>61</td>
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<tr>
<td>Journalists</td>
<td>61</td>
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<tr>
<td>Publishers and publishing</td>
<td>61</td>
</tr>
<tr>
<td>Indians of North America</td>
<td>58</td>
</tr>
<tr>
<td>Western stories</td>
<td>58</td>
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</tbody>
</table>

Beginning the Project

Library of Congress General Principles of Classification
(abridged)

1. **Subject**: Class works by subject matter

2. **Topic vs. form**: Class works by specific subject, not by form (i.e. “What is the work *about*? not “what is the work?”)

3. **Topic vs. place**: Prefer classing by subject over geographic place

4. **Specificity**: Use the most specific number available

## Beginning the Project

<table>
<thead>
<tr>
<th>A</th>
<th>COUNT</th>
<th>LC CORRELATION</th>
<th>B/L/R</th>
<th>MY ANALYSIS</th>
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<tbody>
<tr>
<td>Missionaries</td>
<td>61</td>
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<td>Missions/Missionaries</td>
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<tr>
<td>Women missionaries</td>
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<td>B</td>
<td></td>
<td>Missions/Missionaries</td>
</tr>
<tr>
<td>Presbyterian Church</td>
<td>20</td>
<td>B</td>
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<td>Religion</td>
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<td>Missions</td>
<td>16</td>
<td>B</td>
<td></td>
<td>Missions/Missionaries</td>
</tr>
<tr>
<td>Methodist Church</td>
<td>15</td>
<td>B</td>
<td></td>
<td>Religion</td>
</tr>
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<td>Women Christian educators</td>
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<td>B/L</td>
<td></td>
<td>Missions/Missionaries</td>
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<tr>
<td>Methodist women</td>
<td>11</td>
<td>B</td>
<td></td>
<td>Religion</td>
</tr>
<tr>
<td>Baptists</td>
<td>9</td>
<td>B</td>
<td></td>
<td>Religion</td>
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<tr>
<td>Christianity</td>
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<td>Religion</td>
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<td>Congregational churches</td>
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<td>B</td>
<td></td>
<td>Religion</td>
</tr>
<tr>
<td>Missionaries, Medical</td>
<td>8</td>
<td>B/R</td>
<td></td>
<td>Missions/Missionaries</td>
</tr>
<tr>
<td>World War, 1939-1945</td>
<td>6</td>
<td>D</td>
<td></td>
<td>Religion</td>
</tr>
<tr>
<td>World War, 1914-1918</td>
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<td>D</td>
<td></td>
<td>Religion</td>
</tr>
<tr>
<td>Historians</td>
<td>5</td>
<td>D</td>
<td></td>
<td>Religion</td>
</tr>
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</table>

**Class B: Philosophy. Psychology. Religion & Class L: Education**

**Class B: Philosophy. Psychology. Religion & Class R: Medicine**
<table>
<thead>
<tr>
<th><strong>B. Philosophy, Psychology, Religion</strong> (286)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion (104)</td>
</tr>
<tr>
<td>Missions/Missionaries (182)</td>
</tr>
<tr>
<td><strong>D. History: General and Old World</strong> (156)</td>
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<tr>
<td>Wars (137)</td>
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<tr>
<td>Historians (19)</td>
</tr>
<tr>
<td><strong>E. History: America</strong> (530)</td>
</tr>
<tr>
<td>Pioneers (439)</td>
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<tr>
<td>Native Americans (69)</td>
</tr>
<tr>
<td>African Americans (11)</td>
</tr>
<tr>
<td>General American History (11)</td>
</tr>
<tr>
<td><strong>H. Social Sciences</strong> (787)</td>
</tr>
<tr>
<td>Women (352)</td>
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<tr>
<td>Commerce (348)</td>
</tr>
<tr>
<td>Organizations/Clubs (67)</td>
</tr>
<tr>
<td>Communism (36)</td>
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<tr>
<td><strong>J. Political Science</strong> (274)</td>
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<tr>
<td>K. Law (154)</td>
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<tr>
<td>L. Education (543)</td>
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<tr>
<td>M. Music (67)</td>
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<tr>
<td><strong>N. Fine Arts</strong> (287)</td>
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<tr>
<td>Illustrators/Illustration (146)</td>
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<tr>
<td>Architecture (69)</td>
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<tr>
<td>Art (12)</td>
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<td>Theater (34)</td>
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<td>Photography (14)</td>
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<td><strong>P. Language and Literature</strong> (1341)</td>
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<td>Authors (453)</td>
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<tr>
<td>Children’s Literature (157)</td>
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<tr>
<td>Journalism (182)</td>
</tr>
<tr>
<td>Publishing/Publishers/Editors/Agents (182)</td>
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<tr>
<td>Poetry (83)</td>
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<tr>
<td>Writing for Screen/Stage/Radio (61)</td>
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<td>Genre (306)</td>
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<td><strong>R. Medicine</strong> (38)</td>
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<td>S. Agriculture** (156)</td>
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<td>Forestry/Logging (99)</td>
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<td>Agriculture/Farming (86)</td>
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<td><strong>T. Technology</strong> (91)</td>
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<td>Mines/Minning (49)</td>
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<tr>
<td>Railroads (31)</td>
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<tr>
<td>Energy (11)</td>
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<tr>
<td><strong>U. Military Science</strong> <em>(Military)</em> (62)</td>
</tr>
<tr>
<td>V. Naval Science <em>(Ships/Boats)</em> (14)</td>
</tr>
</tbody>
</table>

**Assigning Main LC Classes: Classification Web**

**Example:** *Farm life*
Assigning Main LC Classes: Classification Web

Example: Farm life

![Subject Heading Search](image)

Sorted by Subject heading

- Farm life
- [HT421 (Sociology)]
- [6521-522 (Agriculture)]

Here are entered popular works on farms and works on manners and customs on farms. Theoretical works on the social organization of rural areas are entered under Sociology, Rural. Works on the social conditions of rural areas are entered under Rural conditions. Popular works on living in the country and works on manners and customs in rural areas are entered under Country life.

- UT Rural life
- BT Country life
- NT Home economics, Rural
- Ranch life

Farm life—Religious aspects

Farm life—Religious aspects—Buddhism

Farm life—Religious aspects—Christianity
Assigning Main LC Classes: Classification Web

Example: Farm life

Sorted by Subject heading

Farm life (May Subd GeoG)
[07421 (Sociology)]
[0521-522 (Agriculture)]

Here are entered popular works on farms and works on manners and customs on farms. Theoretical works on the social organization of rural areas are entered under Sociology. Rural. Works on the social conditions of rural areas are entered under Rural conditions. Popular works on living in the country and works on manners and customs in rural areas are entered under Country life.

UF Rural life
BT Country life
NT Home economics, Rural
Ranch life

Farm life—Religious aspects

Farm life—Religious aspects—Buddhism

Farm life—Religious aspects—Christianity
Assigning Main LC Classes: Classification Web

Example: Farm life

Correlations

Search for "Farm life"

Farm life [Topical]

S
H
H
PZ7.L622 (2)
CT275.M43 (1)
F746 (1)
HD1338.U5 (1)
HD6073.E32 (1)
HD6983 (1)
NE2870 (1)
Assigning Main LC Classes: Classification Web

Library of Congress Classification Outline

A - GENERAL WORKS
B - PHILOSOPHY PSYCHOLOGY RELIGION
C - AUXILIARY SCIENCES OF HISTORY
D - HISTORY, GENERAL AND OLD WORLD
E - HISTORY, ABSOLUTE
F - HISTORY, AMERICA
G - GEOGRAPHY ANTHROPOLOGY RECREATION
H - SOCIAL SCIENCES
J - POLITICAL SCIENCE
K - LAW
L - EDUCATION
M - MUSIC AND BOOKS ON MUSIC
N - FINE ARTS
P - LANGUAGE AND LITERATURE
Q - SCIENCE
R - MEDICINE
S - AGRICULTURE
T - TECHNOLOGY
U - MILITARY SCIENCE
V - NAVAL SCIENCE
Z - BIBLIOGRAPHY LIBRARY SCIENCE
INFORMATION RESOURCES (GENERAL)
Assigning Main LC Classes: Classification Web

Example: Farm life

[Correlations]

Farm life

Farming [Topical]
SS21 (47)
HT421 (7)
HD1761 (2)
PZ7.L622 (2)
CT2750.M43 (1)
F746 (1)
HD1333.U5 (1)
HD6973.F32 (1)
HD6983 (1)
NE2870 (1)

Assigning Main LC Classes: Classification Web

Example: Farm life

[Classification Outline]

Classification Outline

A - General Works
B - Philosophy, Psychology, Religion
C - Auxiliary Sciences of History
D - History, General and Old World
E - History, America
F - History, America
G - Geography, Anthropology, Recreation
H - Social Sciences
J - Political Science
K - Law
L - Education
M - Music and Books on Music
N - Fine Arts
P - Language and Literature
Q - Science
R - Medicine
S - Agriculture
T - Technology
U - Military Science
V - Naval Science
Z - Bibliography, Library Science
Information Resources (General)
Assigning Main LC Classes: Classification Web

Example: Farm life

https://www.loc.gov/aba/cataloging/classification/lcco/lcco_h.pdf

B. Philosophy. Psychology. Religion (286)
   Religion (304)
   Missions/Missionaries (882)

D. History: General and Old World (156)
   Wars (337)
   Historians (19)

E. History: America (530)
   Pioneers (439)
   Native Americans (69)
   African Americans (11)
   General American History (11)

H. Social Sciences (787)
   Women (352)
   Commerce (348)
   Organizations/Clubs (67)
   Communism (36)

J. Political Science (274)
   Art (13)
   Theater (34)
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P. Language and Literature (1341)
   Authors (453)
   Children’s Literature (157)
   Journalism (182)
   Publishing/Publishers/Editors/Agents (182)
   Poetry (85)
   Writing for Screen/Stage/Radio (61)
   Genre (306)
   Academic Writing (?) (11)

R. Medicine (38)

S. Agriculture (156)
   Forestry/Logging (99)
   Agriculture/Farming (86)

T. Technology (91)
   Mines/Mining (49)
   Railroads (31)
   Energy (11)

U. Military Science (Military) (62)

V. Naval Science (Ships/Boats) (14)
Assigning Main LC Classes: Classification Web

Example: Track and field coaches

Sorted by Subject heading

Farm life — Rural life
[87421 (Sociology)]
[5221-522 (Agriculture)]
Here are entered popular works on farms and works on manners and customs on farms. Theoretical works on the social organization of rural areas are entered under Sociology, Rural. Works on the social conditions of rural areas are entered under Rural conditions. Popular works on living in the country and works on manners and customs in rural areas are entered under Country life.

UT Rural life
BT Country life
NT Home economics, Rural
Ranch life

Farm life — Religion aspects

Farm life — Religion aspects — Buddhism

Farm life — Religion aspects — Christianity

Assigning Main LC Classes: Classification Web

Example: Track and field coaches

Correlations

Track and field coaches — China — Anecdotes [Topical]
GV1081.15.M394 (1)

Track and field — Coaches — Fiction [Topical]
PS3573.A77 (3)

Track and field coaches — Poland — Biography [Topical]
GV097.M93 (1)

Track and field coaches — United States — Biography [Topical]
GV687.B66 (2)
GV687.B6S (1)
GV687.E64 (1)
GV687.M34 (1)
GV687.R335 (1)
GV687.R626 (1)

Track and field — Coaching [Topical]
GV1092.2 (9)
GV1060.675.C6 (9)
Assigning Main LC Classes: Classification Web

Example: Track and field coaches

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Assigning Main LC Classes: Classification Web

Example: Track and field coaches

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Assigning Main LC Classes: Classification Web

Example: Track and field coaches

Class G: Geography. Anthropology. Recreation

A Few Tips for Subject Analysis...

aboutness

- What is the resource about?
- What is it?
- What is it for?

A Few Tips for Subject Analysis...

GV1060.5-1098: Recreation. Leisure -- Sports -- Track and field athletics

Assigning Main LC Classes: LC Authorities
Assigning Main LC Classes: LC Authorities

Example: Farm life

<table>
<thead>
<tr>
<th>#</th>
<th>Bib Record</th>
<th>select icon in first column to...</th>
<th>Type of Heading</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>277</td>
<td>Farm life.</td>
<td>Library of Congress subject headings</td>
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<td>130</td>
<td>Farm life.</td>
<td>Faceted application of subject terminology</td>
</tr>
<tr>
<td>3</td>
<td>129</td>
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<td>LC Amended Children’s Catalog subject headings</td>
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<td>4</td>
<td>11</td>
<td>Farm life</td>
<td>Thesis for graphic media: TGM 1, Subject terms</td>
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<td>5</td>
<td>1</td>
<td>Farm Life</td>
<td>not applicable</td>
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Assigning Main LC Classes: LC Authorities

Example: Farm life

SOURCE OF HEADINGS: Library of Congress Catalog
INFORMATION FOR: Farm life.

<table>
<thead>
<tr>
<th>FIELD</th>
<th>Select a Link to View the Authority Record</th>
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<tbody>
<tr>
<td>Heading (1XX)</td>
<td>Farm life</td>
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<tr>
<td>Search Also Under (XXX)</td>
<td>Home economics, Rural</td>
</tr>
<tr>
<td>Search Also Under (XXX)</td>
<td>Ranch life</td>
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</table>
Assigning Main LC Classes: LC Authorities

Example: Track and field coaches

Assigning Main LC Classes: LC Authorities
### Assigning Main LC Classes: LC Authorities

#### Example: Track and field coaches

<table>
<thead>
<tr>
<th>#</th>
<th>Bib Records</th>
<th>select icon in first column to View Authority Headings/References</th>
<th>Type of Heading</th>
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</thead>
<tbody>
<tr>
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<td>0</td>
<td>Track and field coaches</td>
<td>Library of Congress subject headings</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td>Track and field coaches, African Americans</td>
<td>Library of Congress subject headings</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Track and field coaches--China--Anecdotes</td>
<td>Library of Congress subject headings</td>
</tr>
<tr>
<td>4</td>
<td>3</td>
<td>Track and field coaches--Fiction</td>
<td>Library of Congress subject headings</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>Track and field coaches--Poland--Biography</td>
<td>Library of Congress subject headings</td>
</tr>
</tbody>
</table>

**SOURCE OF HEADINGS:** Library of Congress Catalog

**YOU SEARCHED:** Subject Authority Headings = track and field coaches

**SEARCH RESULTS:** Displaying 1 through 50 of 100.
Assigning Main LC Classes: LC Authorities

Example: Track and field coaches

LC control no.: sh 93010008
LCCN Permalink: https://lccn.loc.gov/sh93010008
Topical subject heading: Track and field coaches
Variant(s): Track coaches
See also: Coaches (Athletics)
Assigning Main LC Classes: LC Authorities

Example: Track and field coaches

Subclass GV

GV1:1860
GV181:35-181.6
GV182:182.5
GV191:2-200.66
GV191:68-198.975
GV198:945-198.975
GV199:199.62
GV199:8-200.35
GV200:4-200.56
GV200:6-200.66
GV201:955
GV346:251.5
GV401:433
GV435:436.7
GV406:41.4
GV460:555
GV557:1198.995
GV711
GV712:725
GV733:734.5

Recreation. Leisure

Recreation leadership, administration of recreation services
Recreational areas and facilities, recreation centers
Outdoor life, outdoor recreation
Camping
Farm vacations, dude ranches, etc.
Hiking, pedestrian tours
Mountaineering
Orientation, wilderness survival
Caving, spelunking
Physical education and training
School and college athletics, intramural and interscholastic athletics
Physical education facilities, sports facilities including gymnastics, athletic fields, playgrounds, etc.
Physical measurements, physical tests, etc.
Badminton, sunbathing
Gymnastics, gymnastic exercises including calisthenics, heavy exercises, acrobatics, etc.
Sports
Coaching
Athletic contests, sports events
Professionalism in sports, professional sports (general)

Assigning Subclasses

- Topic spreadsheet (.xls): 1,908 topics

| Sheet1 | A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | R | S | T | U | V | Z | Agents |

Unique topics (highest)
- Class H: 493
- Class P: 293

Collection count (highest)
- Class H: 1,439
- Class P: 1,229
Assigning Subclasses

Class H: Social Sciences
Unique Topics: 493, Collection Count: 1,493

Preliminary Subclasses:
1. Women
2. Commerce
3. Organizations/Clubs
4. Communism

Final Subclasses:
1. Communities, Classes, Races
2. Economics and Finance
3. The Family and Women
4. Industries and Commerce [Commerce]
5. Industries and Commerce [Industry]
6. Industries and Commerce [Labor and working class]
7. Industries and Commerce [Land use]
8. Organizations and Clubs
9. Political and Economic theories
10. Social Sciences
11. Transportation and Communication

Example:
Class: H

Subject Heading:
Children

Subclass:
The Family and Women
Assigning Subclasses

<table>
<thead>
<tr>
<th>TERM</th>
<th>COUNT</th>
<th>LC CORRELATION</th>
<th>FACET</th>
</tr>
</thead>
<tbody>
<tr>
<td>City planners</td>
<td>1</td>
<td>H</td>
<td>Communities, Classes, Races</td>
</tr>
<tr>
<td>City planning</td>
<td>2</td>
<td>H</td>
<td>Communities, Classes, Races</td>
</tr>
<tr>
<td>Collective settlements</td>
<td>4</td>
<td>H</td>
<td>Communities, Classes, Races</td>
</tr>
<tr>
<td>Concentration camps</td>
<td>2</td>
<td>D/H</td>
<td>Communities, Classes, Races</td>
</tr>
<tr>
<td>Cooperative societies</td>
<td>5</td>
<td>H</td>
<td>Communities, Classes, Races</td>
</tr>
<tr>
<td>Lesbian community</td>
<td>6</td>
<td>H</td>
<td>Communities, Classes, Races</td>
</tr>
<tr>
<td>Race discrimination</td>
<td>1</td>
<td>H</td>
<td>Communities, Classes, Races</td>
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<tr>
<td>Regional planning</td>
<td>6</td>
<td>H</td>
<td>Communities, Classes, Races</td>
</tr>
<tr>
<td>Farm life</td>
<td>7</td>
<td>S/H</td>
<td>Communities, Classes, Races; Industries and Commerce [Industry, Agricultural]</td>
</tr>
</tbody>
</table>

_Farm life facets:_
1. Communities, Classes, Races
2. Industries and Commerce [Industry, Agricultural]
### Assigning Subclasses

<table>
<thead>
<tr>
<th></th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACETS</td>
<td>Communities, Classes, Races; Industries and Commerce</td>
<td>Communities, Classes, Races</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select cell F2

Remove Duplicates
Delete duplicate rows from a sheet.

You can select one or more columns that contain duplicates.

Select All | Unselect All

Select Column F

OK

Microsoft Excel
458 duplicate values found and removed; 35 unique values remain.

OK
Assigning Subclasses

<table>
<thead>
<tr>
<th>TERM</th>
<th>COUNT</th>
<th>LC CORRELATION</th>
<th>FACETS</th>
<th>FACETS (no duplicates)</th>
<th>COUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Celebrities</td>
<td>3</td>
<td>H</td>
<td>Communities, Classes, Races; Industries, Class, Races</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cities and towns</td>
<td>2</td>
<td>H</td>
<td>Communities, Classes, Races</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City and town life</td>
<td>5</td>
<td>H</td>
<td>Communities, Classes, Races, Criminology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City planners</td>
<td>1</td>
<td>H</td>
<td>Communities, Classes, Races, Criminology</td>
<td>Economic history and conditions</td>
<td>1</td>
</tr>
<tr>
<td>City planning</td>
<td>2</td>
<td>H</td>
<td>Communities, Classes, Races, Criminology</td>
<td>Economics and Finance</td>
<td>151</td>
</tr>
<tr>
<td>Collective settlements</td>
<td>4</td>
<td>H</td>
<td>Communities, Classes, Races</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concentration camps</td>
<td>2</td>
<td>D/H</td>
<td>Communities, Classes, Races</td>
<td>Industries and Commerce</td>
<td>1</td>
</tr>
<tr>
<td>Cooperative societies</td>
<td>1</td>
<td>D/H</td>
<td>Communities, Classes, Races</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

=SUMIF($D$2:$D$494, Fn, $B$2:$B$494)

where n is the numerical value for the cell in Column F
(e.g. F2, F3, F4, ..., F33, etc.)

Assigning Subclasses

<table>
<thead>
<tr>
<th>FACETS (no duplicates)</th>
<th>COUNT</th>
<th>FACETS</th>
<th>COUNT</th>
<th>FACETS</th>
<th>COUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communities, Classes, Races</td>
<td>49</td>
<td>Communities, Classes, Races</td>
<td>6</td>
<td>Industries, Class, Races</td>
<td>66</td>
</tr>
<tr>
<td>Industries and Commerce [Industry, Mechanical]</td>
<td>64</td>
<td>Industries and Commerce [Industry, Mechanical]</td>
<td>6</td>
<td>Industries and Commerce [Industry, Mining and Mining Related]</td>
<td>0</td>
</tr>
</tbody>
</table>
Assigning Subclasses

<table>
<thead>
<tr>
<th>FACETS (no duplicates)</th>
<th>COUNT</th>
<th>H</th>
<th>I</th>
<th>J</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communities, Classes, Races</td>
<td>49</td>
<td>Communities, Classes, Races</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Communities, Classes, Races; Industries and Commerce [Industry,</td>
<td>12</td>
<td>Criminology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Criminology</td>
<td>44</td>
<td>Economic history and conditions</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Economic history and conditions</td>
<td>1</td>
<td>Economics and Finance</td>
<td>152</td>
<td></td>
</tr>
<tr>
<td>Economics and Finance</td>
<td>151</td>
<td>The Family and Women</td>
<td>196</td>
<td></td>
</tr>
<tr>
<td>Economics and Finance; The Family and Women</td>
<td>1</td>
<td>Industries and Commerce [Commerce]</td>
<td>149</td>
<td></td>
</tr>
<tr>
<td>Industries and Commerce [Commerce; Labor and working class]</td>
<td>1</td>
<td>Industries and Commerce [Industry, Agricultural]</td>
<td>73</td>
<td></td>
</tr>
<tr>
<td>Industries and Commerce [Industry, Mechanical]</td>
<td>32</td>
<td>Industries and Commerce [Industry]</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>Industries and Commerce [Industry, Mineral]</td>
<td>64</td>
<td>Industries and Commerce [Industry, Labor and working class]</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

\[ J_2 = \text{SUM}(G_2:G_3) \]

Final Hierarchy

- All LC main classes represented
- Seven main classes had no subclasses (A, C, M, R, U, V, and Z)
- Number of subclasses varied for other main classes:

  - B - 5
  - D - 3
  - E - 5
  - F - 2
  - G - 4
  - H - 11
  - J - 3
  - K - 2
  - L - 4
  - N - 2
  - P - 9
  - Q - 10
  - S - 5
  - T - 8
Final Hierarchy

Final Hierarchy
Time Involved

- Six months
- June 2020: Subject analysis started
- August 2020: Main classes for all topics assigned
- December 2020: Class/subclass spreadsheets completed
Building a Classification Hierarchy in ArchivesSpace

Conclusions
Questions?