Classification schemes

LIS 390 IOE:
Information Organization in Everyday Life
Week 11 - 2
Instructors: Lee & Jones
Announcements

• **Assignment 3: Due Nov 7 (Wednesday)**

Things which must be included in your portfolio:

– Collection description in HTML (including all Dublin Core meta tags)
– User needs assessment (including 3 personas)
– Collection development policy
– Cataloging rules (metadata elements used, subject headings/analysis method, description rules)
– Classification scheme used
Major Bibliographic Classification Schemes (Taylor, 2004)

- DDC (Dewey Decimal Classification) (1873)
- UDC (Universal Decimal Classification) (1904)
- LCC (Library of Congress Classification) (1897)
- Colon classification (1933)
Different approaches

• Hierarchical classification
• Faceted classification
Hierarchical classification

- A tree structure
Main classes of DDC

000  Computer science, information & general works
100  Philosophy & psychology
200  Religion
300  Social sciences
400  Language
500  Science
600  Technology
700  Arts & Recreation
800  Literature
900  History & geography
Main classes of UDC

0 Generalities
1 Philosophy. Psychology
2 Religion. Theology
3 Social Sciences
4 Vacant
5 Natural Sciences
6 Technology
7 The Arts
8 Language. Linguistics. Literature
9 Geography. Biography. History
Main classes of LCC

A - General Works
B - Philosophy. Psychology. Religion
C - Auxiliary Sciences of History
D - World History and History of Europe, Asia, Africa, Australia, New Zealand, etc.
E - History of the Americas
F - History of the Americas
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)
<table>
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<tr>
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<td>Philosophy &amp; psychology</td>
<td>Religion</td>
<td>Social sciences</td>
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<td>Technology</td>
<td>Arts &amp; recreation</td>
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Example: OCLC DeweyBrowser

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<th>Browse</th>
<th>More options</th>
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<td>Landscaping &amp; area planning</td>
<td>Architecture</td>
<td>Sculpture, ceramics &amp; metalwork</td>
<td>Drawing &amp; decorative arts</td>
<td>Painting</td>
<td>Graphic arts</td>
<td>Photography &amp; computer art</td>
<td>Music</td>
<td>Sports, games &amp; entertainment</td>
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</table>

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### OCLC DeweyBrowser: eBook Collection

**Browse for:**
- At least 10,000 records
- At least 1,000 records
- At least 100 records
- At least 10 records
- At least 1 record
- No records

**Display options in:**
- English

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<td>General principles &amp; musical forms</td>
<td>Vocal music</td>
<td>Music for single voices, the voice</td>
<td>Instruments &amp; instrumental ensembles</td>
<td>Ensembles with one instrument per part</td>
<td>Keyboard &amp; other instruments</td>
<td>Stringed instruments</td>
<td>Wind instruments</td>
<td>(Optional number)</td>
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Email us with your ideas, comments and suggestions.
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<th>Title / Author</th>
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<td>Discographies dance music, culture and the politics of sound / Gilbert, Jeremy</td>
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<td>1999</td>
<td>Dowland, Lachrimae (1604) / Holman, Peter.</td>
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<td>First in the world the story of the National Youth Orchestra of Wales / James, Beryl Bowen.</td>
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</table>
Faceted classification

• Conjunction of facets/attributes
Different approaches

- Facets: different dimensions of information
- Facet analysis: fundamental concepts are analyzed and grouped together into facets (analytico-synthetic principle)
- S. R. Ranganathan
SCHEMATIC DIAGRAM OF THE TREE OF KNOWLEDGE

FIG. 16

- PERSONALITY ISOLATE
- ENERGY ISOLATE
- SPACE ISOLATE
- TIME ISOLATE

Examples from *Prolegomena to Library Classification* by Ranganathan (1967)
PMEST

Five fundamental categories by Ranganathan

• Personality – the primary facet, the most prominent attribute
• Matter – physical material
• Energy – action
• Space – place, location
• Time – time period
Create Your Own Ring

Select one or more diamond shapes. You can adjust the left and right sliders to narrow your search by price range, carat weight, cut, color, and clarity. Click the See results button at any time to see the diamonds that match your search criteria.

See instructions

18,131 diamonds match your criteria

If you encounter problems with this page, try our basic diamond search

The Amazon.com Collection
Why Buy Jewelry & Watches at Amazon?

Learning Center
Learn About Precious Metals
Learn About Diamonds
Learn About Certification and Grading Reports

More to Explore
Preset Engagement Rings
Wedding Bands
Anniversary Bands

Shape
- Round
- Princess
- Marquise
- Emerald
- Radiant
- Pear
- Oval
- Heart

Price

Carat
- 0.25 ct.
- 1 ct.
- 2 ct.
- 3 ct.
- 4 ct.
- 5 ct.
- 6 ct.

Cut
- Ideal
- Very Good
- Good
- Fair

Color
- D
- E
- F
- G
- H
- I
- J
- Colorless
- Near Colorless

Clarity
- FL
- IF
- VS1
- VS2
- VS3
- SI1
- SI2
- SI3
- Eye-visible
Create Your Own Ring

Select one or more diamond shapes. You can adjust the left and right sliders to narrow your search by price range, carat weight, cut, color, and clarity. Click the See results button at any time to see the diamonds that match your search criteria.

If you encounter problems with this page, try our basic diamond search.

Select a diamond shape.

Select a price range.

Select a carat weight.

Select a cut grade.

Select a color grade.

Select a clarity grade.

Click See results to view the selected diamonds.

Example: Create Your Own Ring at Amazon.com
Create Your Own Ring

Select one or more diamond shapes. You can adjust the left and right sliders to narrow your search by price range, carat weight, cut, color, and clarity. Click the **See results** button at any time to see the diamonds that match your search criteria.

If you encounter problems with this page, try our [basic diamond search](#).

### Shape
- Round
- Princess
- Marquise
- Emerald
- Radiant
- Pear
- Oval
- Heart

### Price
- $0.00
- $10,000
- $5,000

### Carat
- 1 ct
- 2 ct

### Cut
- Ideal
- Very Good
- Good
- Fair

### Color
- D
- E
- F
- G
- H
- I
- J
- Colorless
- Near Colorless

### Clarity
- FL
- IF
- VVS1
- VVS2
- VS1
- VS2
- SI1
- SI2
- SI3
- Eye-visible

10 diamonds match your criteria

**See results**
Create Your Own Ring

Note: All settings shown are compatible with the diamond you have selected.

- All Metals
- platinum
- 18k white-gold
- 18k yellow-gold
- 14k white-gold
- 14k yellow-gold

Platinum Classic Solitaire Engagement Ring Setting $406.00 View Details
Platinum Ridged Engagement Ring Setting $545.00 View Details
Platinum 3.5mm Comfort Fit Engagement Ring Setting $536.00 View Details
Steps in building a faceted classification scheme (Hunter, 2002)

Step 1. Analyze relevant concepts
Step 2. Group into facets according to appropriate characteristics
Step 3. Add a notation
Step 4. Choose a citation order
Step 5. Deciding upon the schedule order
A simple faceted classification scheme for candies

Dots
Sweetarts
Sweetarts Shockers
Shockers jawbreaker
MilkyWay
Milkyway Midnight
Milk Duds
Twizzlers
Snickers
Twix
3 Musketeers

Charleston Chew
Whoppers
Milk Maid Caramels
Milk Maid Royals
Hershey’s Chocolate Pop
Tootsie Roll
Air Heads
Jolly Rancher
Bit-O-Honey
Bulls-eye
Junior mints
Step 1. Analyzing relevant concepts

Candy Bar, Chocolaty, Nutty, Chewy, Milk Chocolate, Nougat, Caramel, Peanuts, Brown Gummy, Fruity, Sweet, Sour, Chewy, Assorted colors, Sugar
Chocolate, Cookie, Caramel, Candy Bar, Brown Fruity, Red, Rope, Twisted, Licorice Taffy, Fruity, Sweet, Chewy, Red
...

Step 2. Group into facets

**Type:** Chocolate coated, Candy bar, Chews, Gummies, Licorice, Lollipops, Mints, Sucking candy, Taffy

**Flavor:** Sweet, Sour, Bitter, Salty, Minty, Spicy, Fruity, Chocolaty, Nutty, Vanilla, Milky

**Texture:** Hard, Soft, Chewy, Crunchy, Brittle, Chalky

**Ingredients:** Almonds, Peanuts, Caramel, Cookie, Dark Chocolate, Milk Chocolate, Nougat, Honey, Malt

Shape: Round disk, Ball, Square, Rectangular, Animal-shaped, Object-shaped, Tape

Color: White, Black, Red, Pink, Orange, Green, Blue, Yellow, Brown, Purple, Assorted

Theme: Halloween, Easter, Valentines day, Christmas
# Step 3-5

<table>
<thead>
<tr>
<th>Type</th>
<th>Flavor</th>
<th>Texture</th>
<th>Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A) Candy Bar</td>
<td>(A) Sweet</td>
<td>(A) Hard</td>
<td>(A) Cookie</td>
</tr>
<tr>
<td>(B) Chocolate coated candy</td>
<td>(B) Fruity</td>
<td>(B) Crunchy</td>
<td>(B) Almonds</td>
</tr>
<tr>
<td>(C) Chews</td>
<td>(C) Sour</td>
<td>(C) Brittle</td>
<td>(C) Peanuts</td>
</tr>
<tr>
<td>(D) Licorice</td>
<td>(D) Bitter</td>
<td>(D) Chalky</td>
<td>(D) Nougat</td>
</tr>
<tr>
<td>(E) Taffy</td>
<td>(E) Minty</td>
<td>(E) Chewy</td>
<td>(E) Honey</td>
</tr>
<tr>
<td>(F) Gummy</td>
<td>(F) Milky</td>
<td>(F) Creamy</td>
<td>(F) Caramel</td>
</tr>
<tr>
<td>(G) Sucking candy</td>
<td>(G) Vanilla</td>
<td>(G) Soft</td>
<td>(G) Malt</td>
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<tr>
<td>(H) Lollipop</td>
<td>(H) Chocolaty</td>
<td></td>
<td>(H) Milk Chocolate</td>
</tr>
<tr>
<td></td>
<td>(I) Nutty</td>
<td></td>
<td>(I) Dark Chocolate</td>
</tr>
<tr>
<td></td>
<td>(J) Salty</td>
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</tbody>
</table>
Step 3-5 (Cont’d.)

- **Directions:** Select the feature from each facet which best describes the candy. If a piece of candy matches multiple features within a single facet, select the best matching feature first, followed by the next best match, and so on. Combine the selected features within a facet by appending them together. Combine the facets using a colon as a delimiter.

- For example: A Snickers Bar is a Candy Bar, which has a Chocolaty and Nutty taste, a Chewy texture, and contains Milk Chocolate, Nougat, Caramel, and Peanuts. This yields a classification code of A:HI:E:HCDF.
Next week

• Lab session to work on your portfolio
References

• DDC 22 Summaries: http://www.oclc.org/dewey/resources/summaries/deweysummaries.pdf

