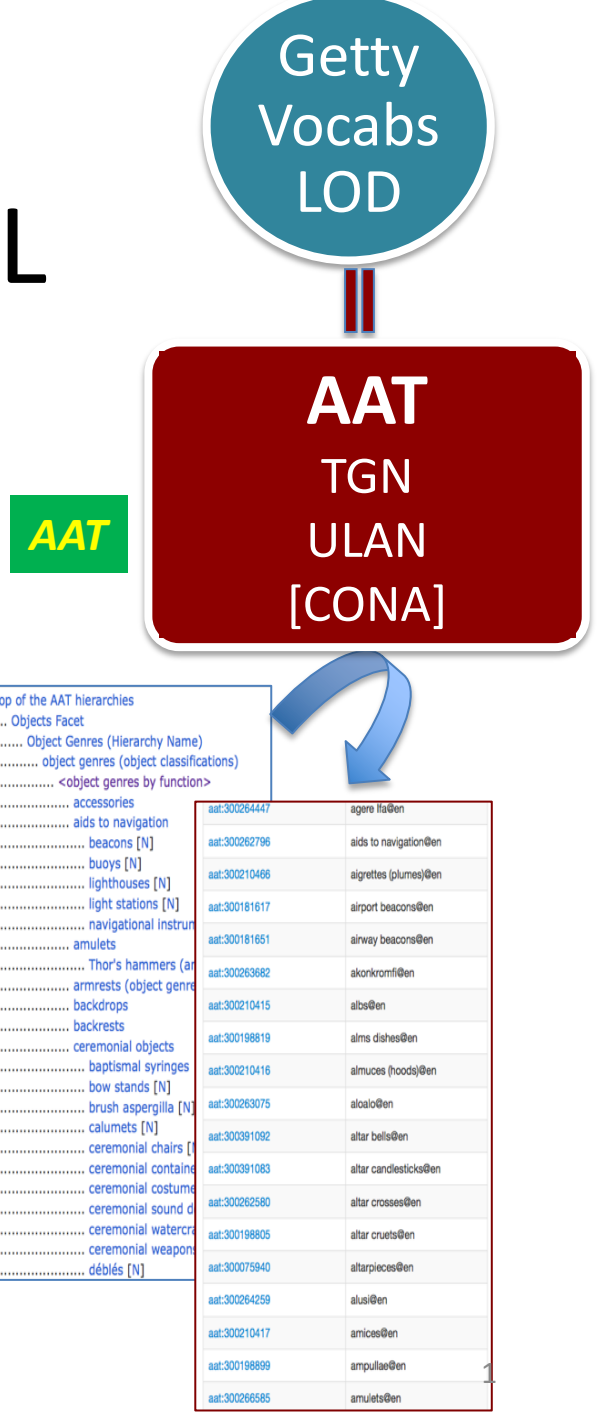
Hands-on (Details)
Obtain Data Using SPARQL

Demo. Using AAT



Task:

Construct new controlled vocabularies (microthesaurus or pick lists) that have permanent http URIs for each concept

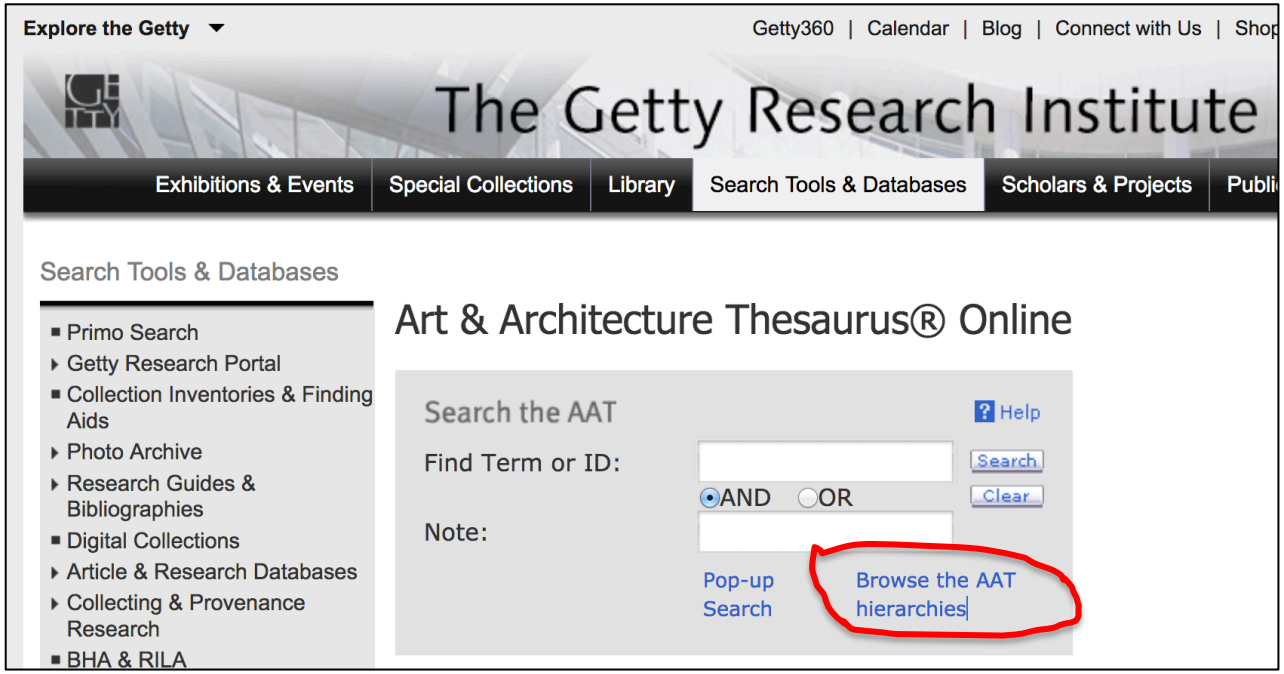
- from ***Art and Architecture Thesaurus (AAT)***

Microthesaurus = designated subset of a thesaurus that is capable of functioning as a complete thesaurus.

-- ISO25964-2:2013

Before querying, get familiar with the structure and contents of AAT

- 1. Go to AAT sitehttp://www.getty.edu/research/tools/vocabularies/aat/
- 2. Choose Browse the AAT hierarchies

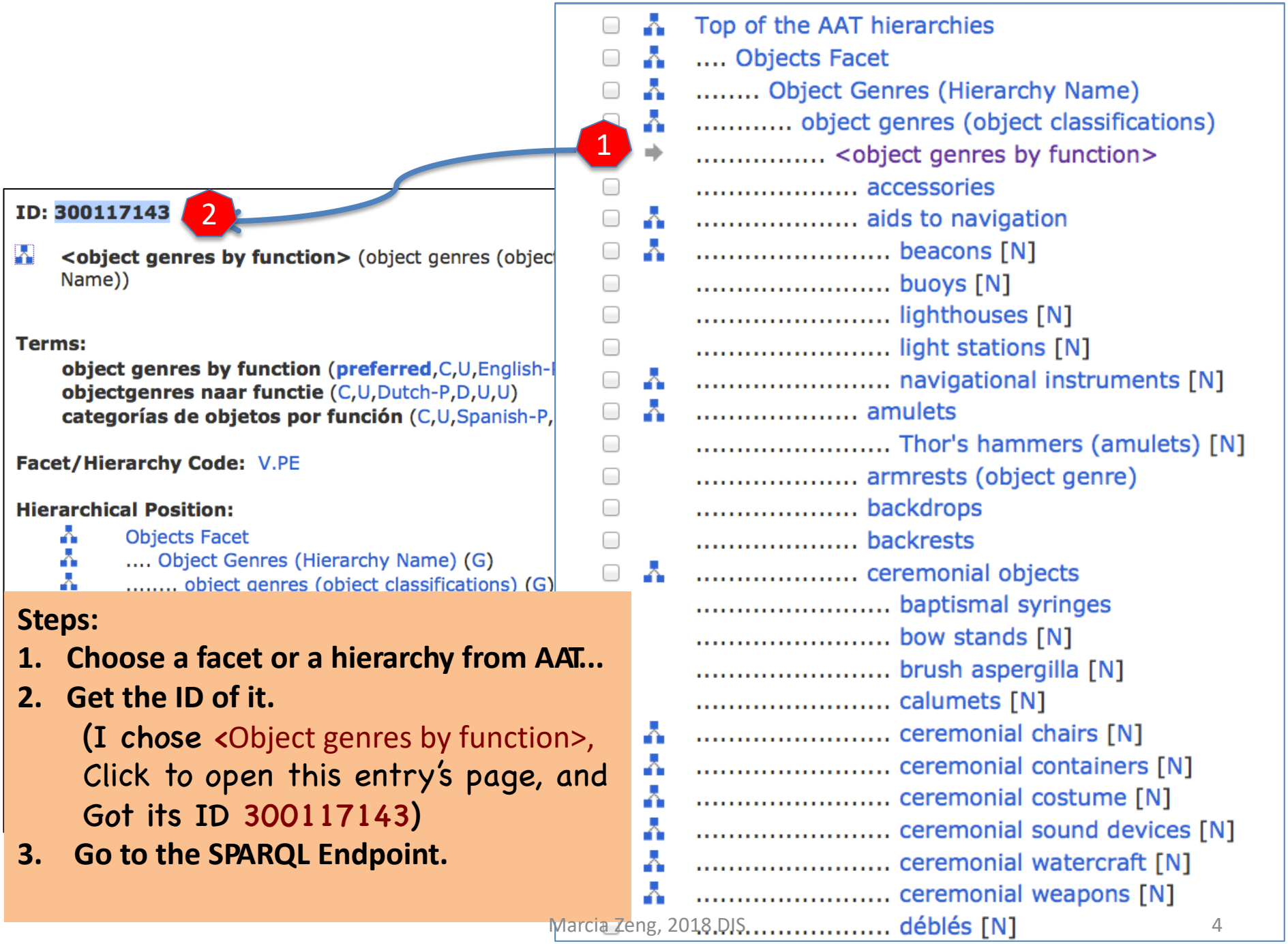


- 3. Explore one of the facets, all the way down, and see how far you could go. Did you find a sub-facet (marked as guide term, in <… … >) or a hierarchy lead term [marked as (hierarchy name)]? You may pick one that you want to form a picklist or microthesaurus later.

HOW

Demo. Use a <Guide Term> to obtain all concept URIs and preferred terms in the hierarchies (for a microthesaurus or a pick list)

in <xyz>



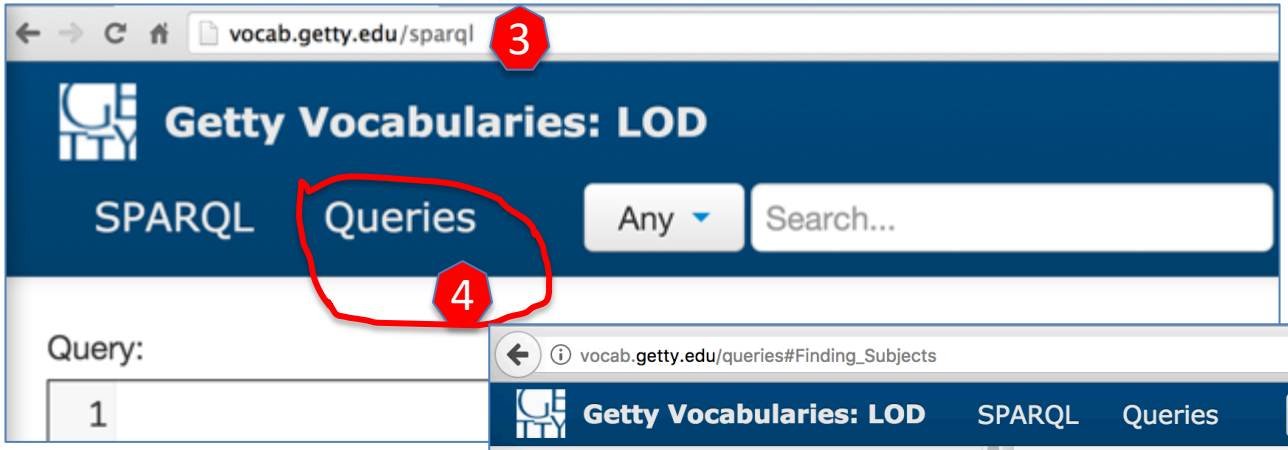
Steps:

1. **Choose a facet or a hierarchy from AAT...**
2. **Get the ID of it.**
   (I chose <Object genres by function>, Click to open this entry's page, and Got its ID 300117143)
3. **Go to the SPARQL Endpoint.**

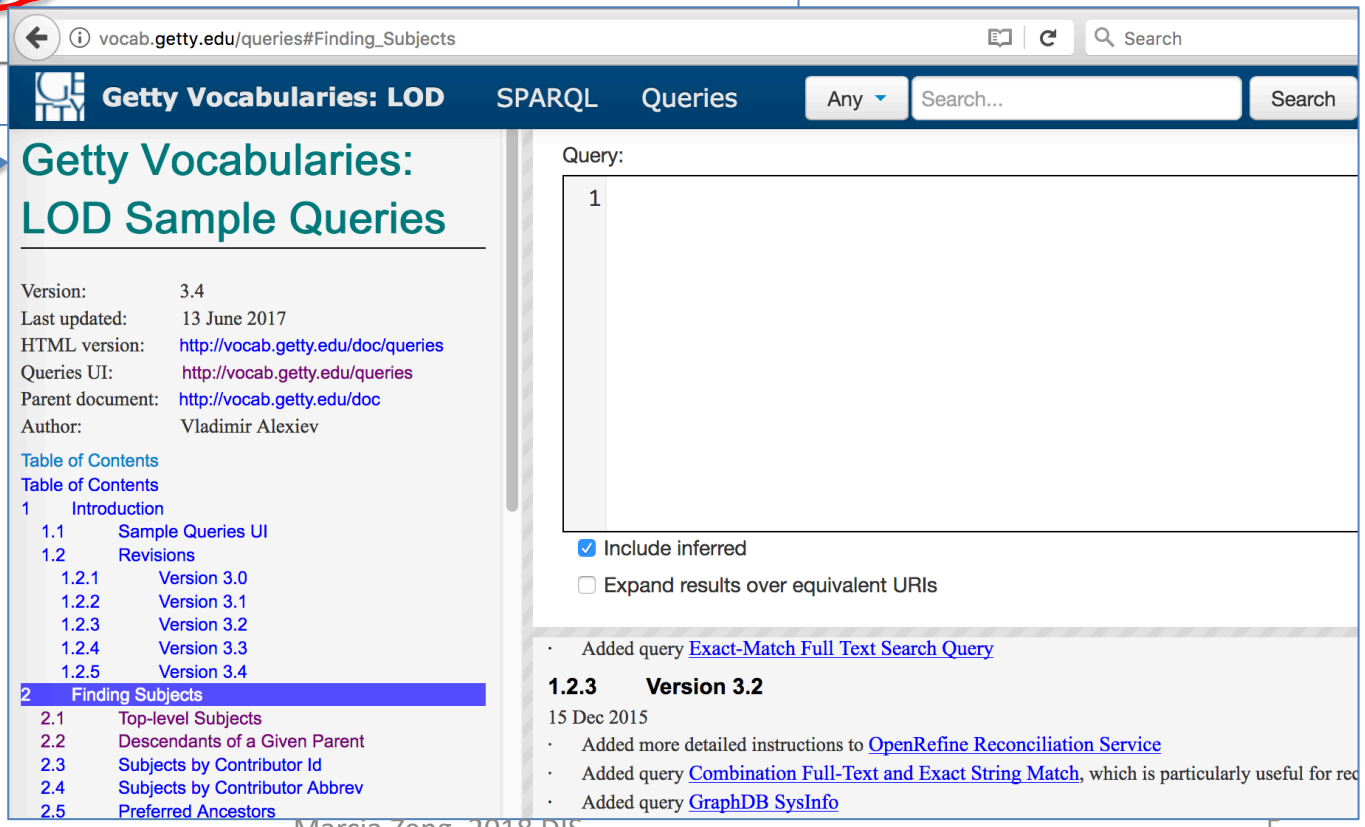
Steps:

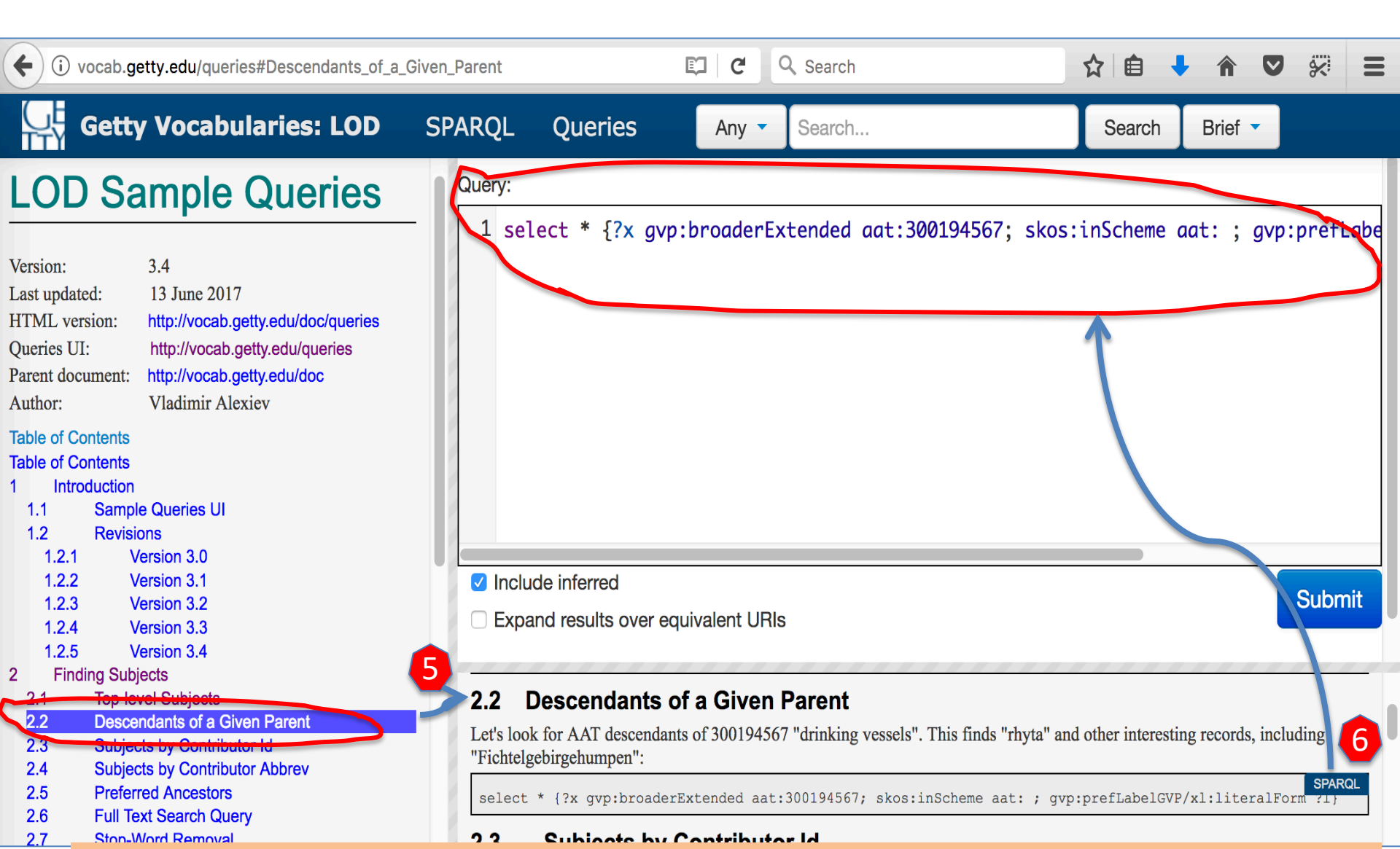
3. Go to Getty Vocab SPARQL Endpoint: http://vocab.getty.edu/sparql

4. Choose from 'queries' template:



This should be the interface you see.





Steps:

5. Choose "Descendants of a Given Parent" from the template, click.

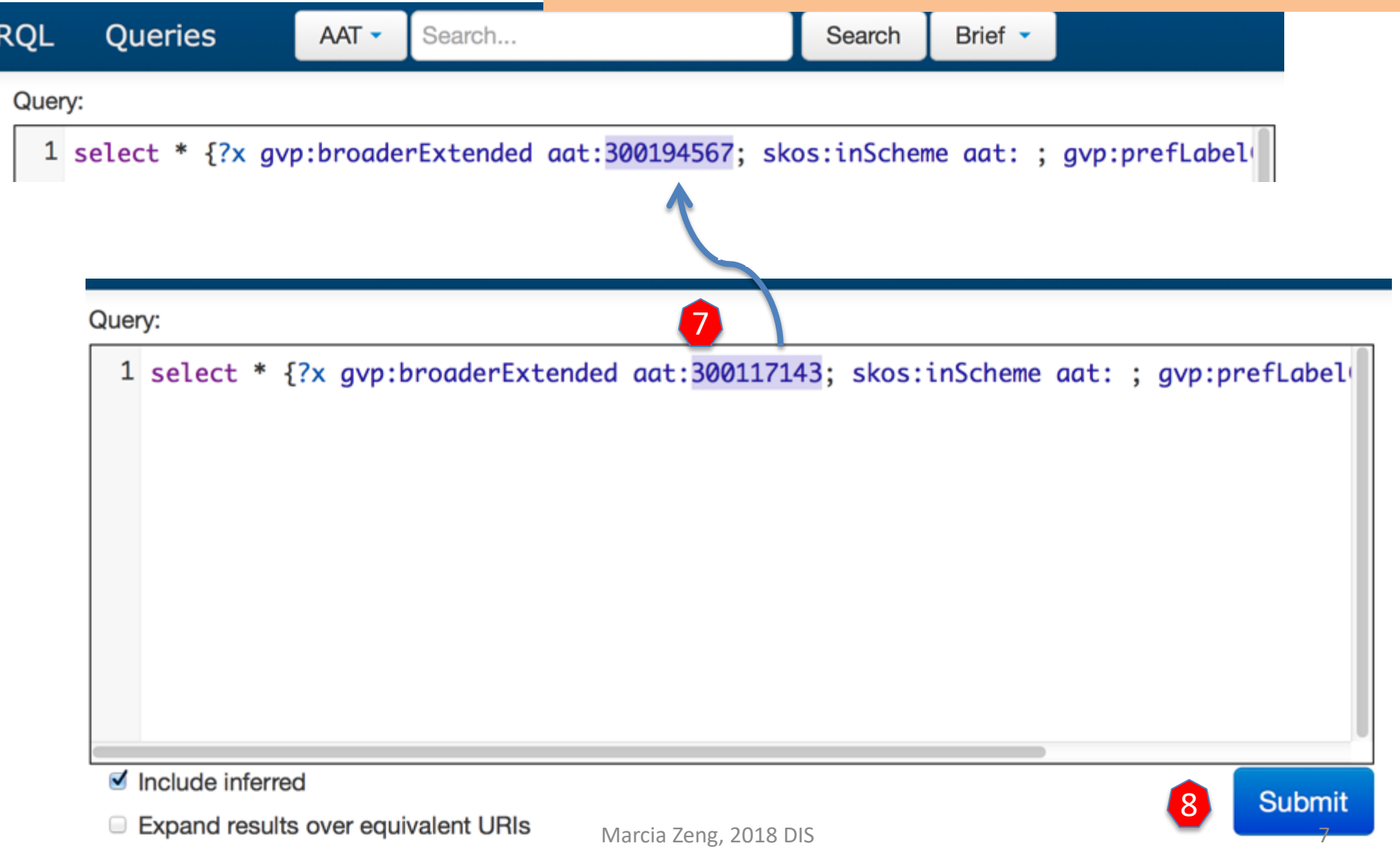
→ The template's text will show on the right.

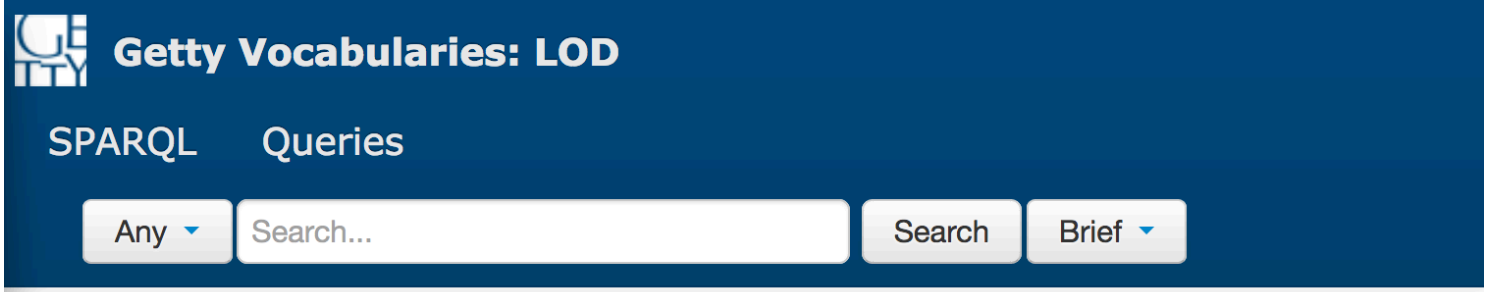
6. Move mouse over, you will see the 'SPARQL" button showing up. Click the blue 'SPARQL' button, the query will fill into that box above.

Steps

7. Replace the ID in that template with your selected ID (e.g., 300117143).

8. "Submit".





Results: (200 of 1586)

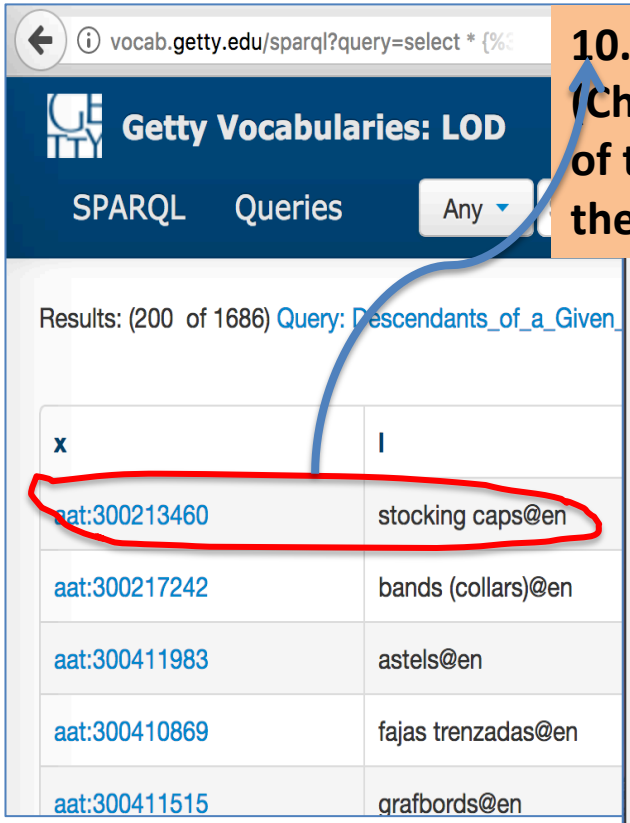
Download SPARQL Results in: JSON | XML | CSV | TSV

9

x	l
aat:300404137	academic robes@en
aat:300400705	laurel wreaths@en
aat:300404259	preacher's chairs (presider's chairs)@en
aat:300391302	communion wafers@en
aat:300391224	Advent wreaths@en
aat:300264822	Christmas trees@en
aat:300391296	host irons@en
aat:300390922	indexes (liturgical pointers)@en
aat:300262607	chevron beads@en
aat:300375370	rollators@en
aat:300404691	vajra-ghantas@en
aat:300379263	beards@en

It gave me the results in two seconds.

Steps:
9. Download the datasets in a selected format.
The best way is to download the csv file.



10. Click on any ID to see the full data about this concept, (Choose Inference "Implicit only") or also the management record of this concept ("Explicit and Implicit"). This is just to see what there is for more data to download. Try to go through.

stocking caps

Source:http://vocab.getty.edu/aat/300213460

Subject (105) | Predicate | Object | All

Website | Hierarchy | Download in: JSON | JSONLD | RDF | N3/Turtle | N-Triples

Inference: Implicit only

Statements in which the resource exists as a subject.

Predicate	Object
rdf:type	gvp:Subject, skos:Concept
rdfs:label	caps, stocking@en, gorro de punto@es, gorros de punto@es, ijsmuts@nl, ijsmutsen@nl, jung hsien mao@zh-latn-wadegile, rong xian mao@zh-latn-pinyin-x-notone, róng xiàn mào@zh-latn-pinyin-x-hanyu, stocking cap@en, stocking caps@en, 絨線帽@zh-hant, 襪形帽@zh-hant
gvp:broader	aat:300411704
gvp:broaderGenericExtended	aat:300411704
gvp:broaderPartitiveExtende...	aat:300046094, aat:300117143, aat:300178802, aat:300185711, aat:300185712, aat:300209261, aat:300209273, aat:300209274, aat:300209285, aat:300211601, aat:300213421, aat:300251645, aat:300264092, aat:300264551, aat:300404589
gvp:broaderExtended	aat:300046094, aat:300117143, aat:300178802, aat:300185711, aat:300185712, aat:300209261, aat:300209273, aat:300209274, aat:300209285, aat:300211601, aat:300213421, aat:300251645, aat:300264092, aat:300264551, aat:300404589, aat:300411704
gvp:broaderPreferredExtende...	aat:300046094, aat:300178802, aat:300209261, aat:300209273, aat:300209274,

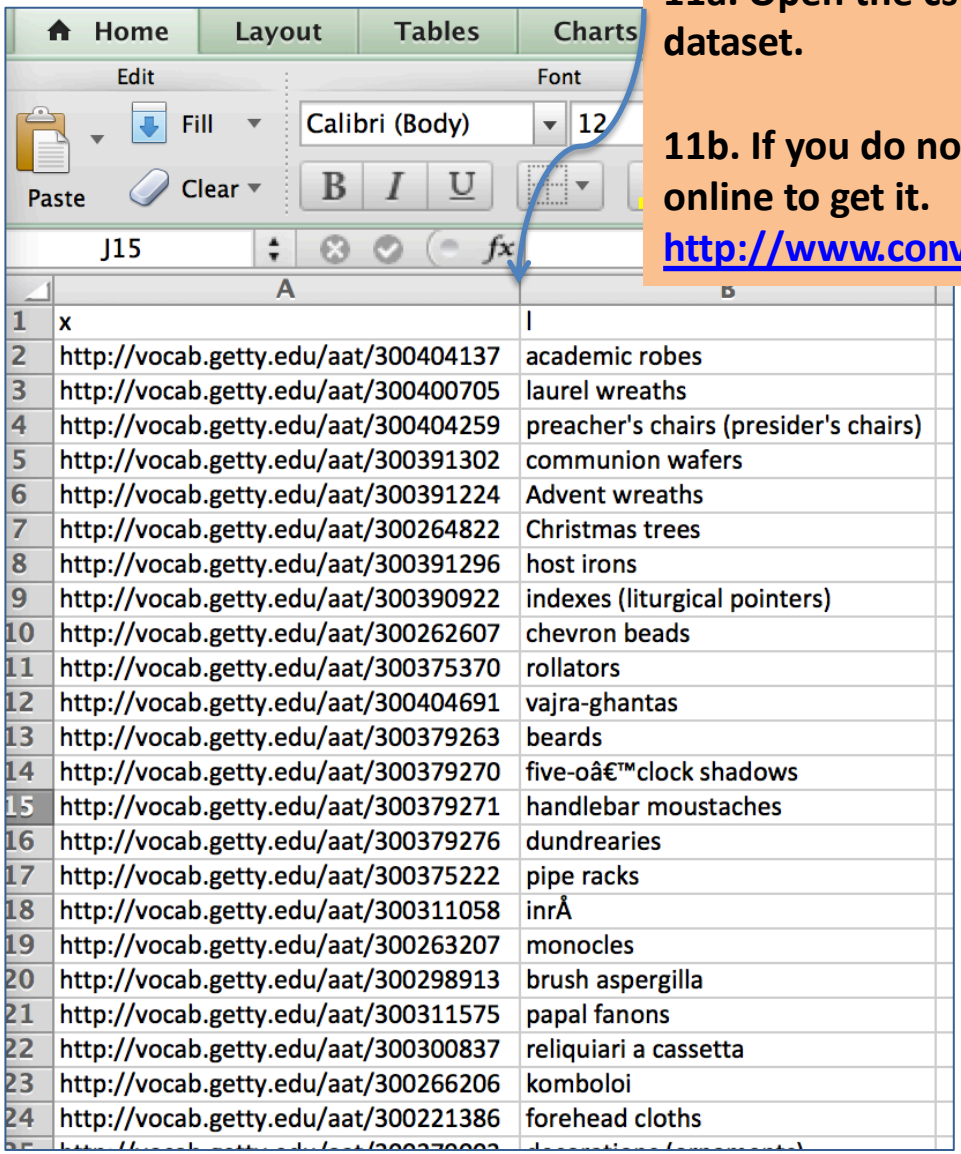
If you click on Website | Hierarchy |, open the link in a new tap, you can see the normal HTML views.

Steps:

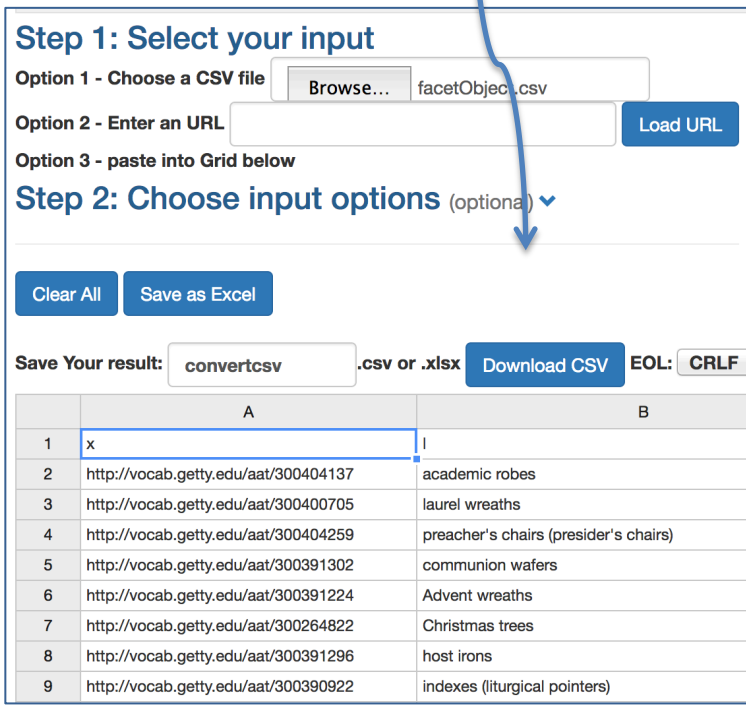
11a. Open the csv file as a spreadsheet. Save it as the testing dataset.

11b. If you do not have the Microsoft Excel to open it, use a tool online to get it.

http://www.convertcsv.com/csv-viewer-editor.htm



	A	B
1	x	l
2	http://vocab.getty.edu/aat/300404137	academic robes
3	http://vocab.getty.edu/aat/300400705	laurel wreaths
4	http://vocab.getty.edu/aat/300404259	preacher's chairs (presider's chairs)
5	http://vocab.getty.edu/aat/300391302	communion wafers
6	http://vocab.getty.edu/aat/300391224	Advent wreaths
7	http://vocab.getty.edu/aat/300264822	Christmas trees
8	http://vocab.getty.edu/aat/300391296	host irons
9	http://vocab.getty.edu/aat/300390922	indexes (liturgical pointers)
10	http://vocab.getty.edu/aat/300262607	chevron beads
11	http://vocab.getty.edu/aat/300375370	rollators
12	http://vocab.getty.edu/aat/300404691	vajra-ghantas
13	http://vocab.getty.edu/aat/300379263	beards
14	http://vocab.getty.edu/aat/300379270	five-oâ€™clock shadows
15	http://vocab.getty.edu/aat/300379271	handlebar moustaches
16	http://vocab.getty.edu/aat/300379276	dundrearies
17	http://vocab.getty.edu/aat/300375222	pipe racks
18	http://vocab.getty.edu/aat/300311058	inrÅ
19	http://vocab.getty.edu/aat/300263207	monocles
20	http://vocab.getty.edu/aat/300298913	brush aspergilla
21	http://vocab.getty.edu/aat/300311575	papal fanons
22	http://vocab.getty.edu/aat/300300837	reliquiari a cassetta
23	http://vocab.getty.edu/aat/300266206	komboloi
24	http://vocab.getty.edu/aat/300221386	forehead cloths



	A	B
1	x	l
2	http://vocab.getty.edu/aat/300404137	academic robes
3	http://vocab.getty.edu/aat/300400705	laurel wreaths
4	http://vocab.getty.edu/aat/300404259	preacher's chairs (presider's chairs)
5	http://vocab.getty.edu/aat/300391302	communion wafers
6	http://vocab.getty.edu/aat/300391224	Advent wreaths
7	http://vocab.getty.edu/aat/300264822	Christmas trees
8	http://vocab.getty.edu/aat/300391296	host irons
9	http://vocab.getty.edu/aat/300390922	indexes (liturgical pointers)

Advanced

The following steps are for different outcomes, requiring some modifications of your queries.

You can always ask specific query questions at the Getty Vocab LOD user group's forum and get help for your queries or questions: https://groups.google.com/forum/#!forum/gettyvocablod

Can I sort the results when I query?
-- Yes, go back to the template. (You need to refresh the query page.)
Do the same query, just add order by ?l or order by ?x

```
select * {?x gvp:broaderExtended aat:300117143; skos:inScheme aat: ; gvp:prefLabelGVP/xl:literalForm ?l}
order by ?l
```

E.g., sort by AAT ID (x):
order by ?x

x	l
aat:300001695	protomai capitals@en
aat:300005947	sarcophagi (coffins)@en
aat:300007739	beacons@en
aat:300007741	lighthouses@en
aat:300026422	
aat:300026456	

E.g., sort by AAT label (l):
order by ?l

Getty Vocabularies: LOD SPARQL Queries Any Searcl

Results: (200 of 1586)

x	l
aat:300211602	<accessories by location above the waist>@en
aat:300209283	<accessories by location at the waist or below>@en
aat:300209282	<accessories by location on arms or hands>@en
aat:300211601	<accessories by location on the head>@en
aat:300211599	<accessories by location on the legs or feet>@en
aat:300210822	<armor by form>@en
aat:300210823	<armor by function>@en
aat:300224810	<armors by function>@en

Step 12. Another round, with revised query
[Get the terms + the English scope notes.]

Demo (advanced)

Instructions are available on a website.

[Note: Template provided as:]

select * {?x gvp:broaderExtended aat:300194567;
skos:inScheme aat: ; gvp:prefLabelGVP/xl:literalForm ?l}

[Note: To add the definitions/notes. Now the red l becomes the text as shown below:]

select * {?x gvp:broaderExtended aat:300194567;
skos:inScheme aat: ; gvp:prefLabelGVP/xl:literalForm ?
label; skos:scopeNote [dct:language gvp_lang:en; rdf:value
?note]
}

Results: (200 of 211) Query: Descendants_of_a_Given_Parent

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x	l
aat:300417997	chih pei@en
aat:300418000	cold drink cups@en
aat:300311263	porongos@en
aat:300410765	achawall metahues@en
aat:300395558	maigeleins@en
aat:300200347	Pechkrüge@en
aat:300265252	Amen glasses@en
aat:300264998	segment cups@en
aat:300265003	Corinthian type skyphoi@en
aat:300265233	Fichtelgebirgehumpen@en

Results: (200 of 207) Query: Descendants_of_a_Given_Parent

Download SPARQL Results in: JSON | XML | CSV | TSV

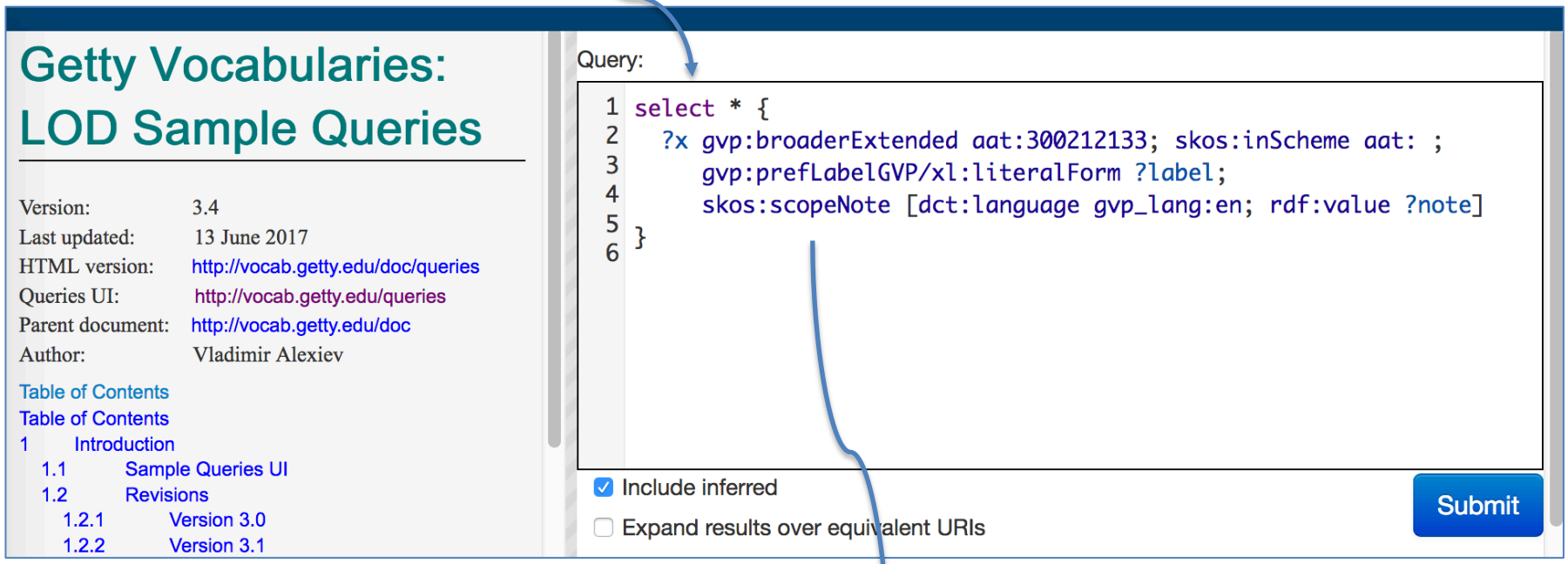
x	label	note
aat:300417997	chih pei@en	Paper cups that were first used in ancient China; for serving of tea, often colorful and decorated.@en
aat:300418000	cold drink cups@en	Cups, usually disposable, designed for cold liquids.@en
aat:300311263	porongos@en	Mates, which are vessels for liquids, of a particular type, either open like a cup or having a long, narrow neck and often used for fermenting or consuming liquids such as chicha.@en
aat:300410765	achawall metahues@en	Mapuche regional or indigenous Latin American drinking vessel of the cantir type, in the form of a chicken.@en
aat:300395558	maigeleins@en	Shallow drinking cups or bowls, with curved sides and flattened bases, typically made from forest glass. Often decorated with ribs or moderately high bosses or prunts.@en
aat:300200347	Pechkrüge@en	Distinctive German stave tankards mounted with pewter.@en
aat:300265252	Amen glasses@en	A type of Jacobite glass produced to commemorate the rising of 1715. Amen glasses are decorated with diamond point engraved prayers ending with "Amen," thus their name. They also feature the elaborately scrolled letters "I.R." with a concealed figure of eight and a crown.@en

[cont.] 12. Another round, with revised query
[Get the terms + the English scope note]

*Tip: always **refresh** the webpage by clicking on "Queries" or restart* ***http://vocab.getty.edu/sparql***

```
select * {
  ?x gvp:broaderExtended aat:300212133;
skos:inScheme aat: ;
     gvp:prefLabelGVP/xl:literalForm ?label;
     skos:scopeNote [dct:language gvp_lang:en;
rdf:value ?note]
}
```

Copy-paste these text
← see left site, starting with
select and ending with a }
to the Query window.

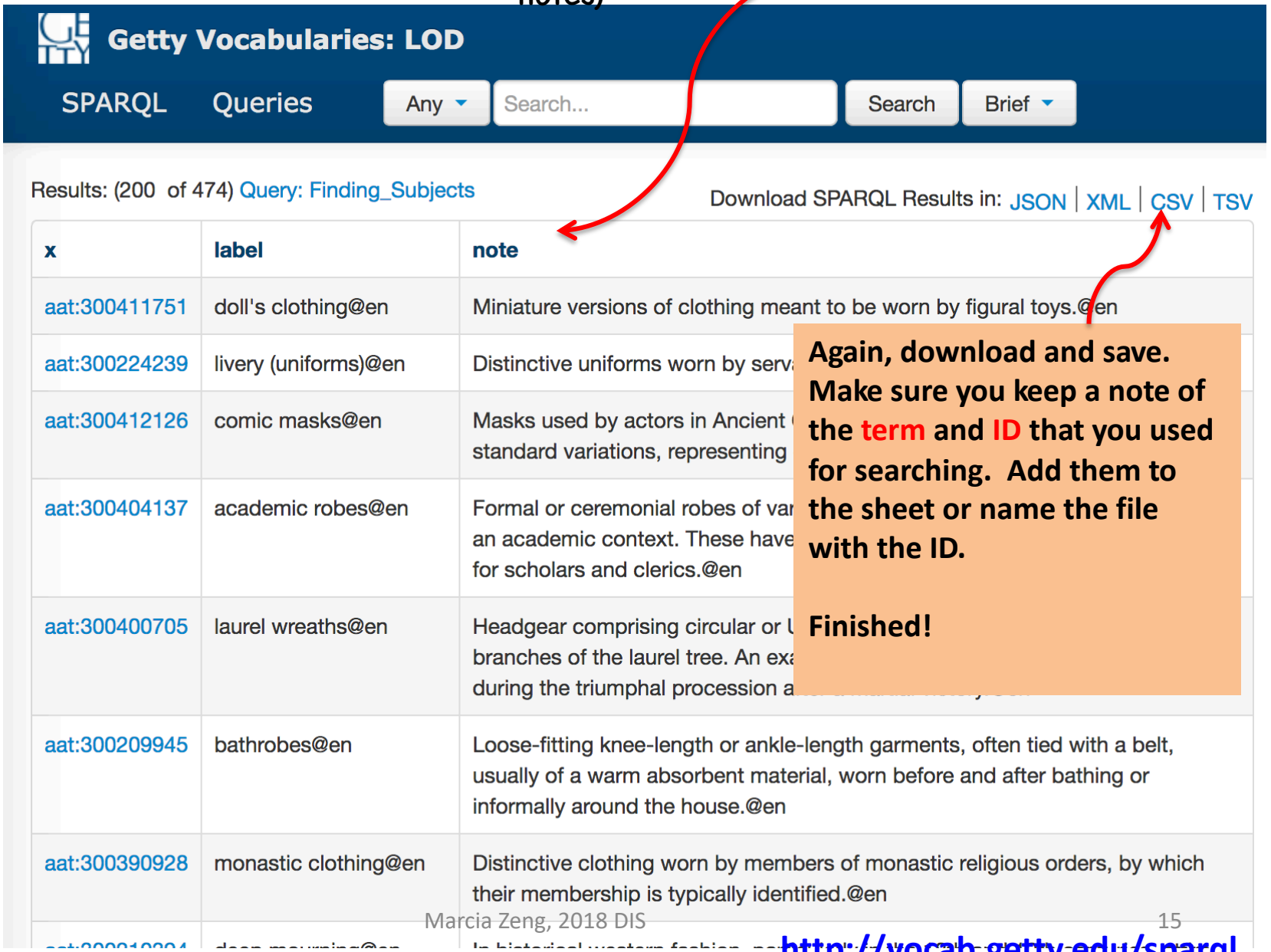


Note: This is for getting a microthesaurus for 300212133 (<costume by function>). The **difference** from the previous query is to add the last row to get the English scope notes.

[cont.] 12. Another round, with revised query

You should be get a result like this (included notes)

300212133 (<costume by function>)



Again, download and save. Make sure you keep a note of the term and ID that you used for searching. Add them to the sheet or name the file with the ID.

Finished!

http://vocab.getty.edu/sparql

[cont.] 12. Another round, with revised query, also sorting

```
select * {
  ?x gvp:broaderExtended aat:300212133;
skos:inScheme aat: ;
     gvp:prefLabelGVP/xl:literalForm ?label;
     skos:scopeNote [dct:language gvp_lang:en;
rdf:value ?note]
}
order by ?label
```

Try to sort the result by AAT labels

-added at the last row a sorting request order by ?label

Results: sorted A-Z (capitalized); then a-z →

Getty Vocabularies: LOD SPARQL Queries Any

Results: (200 of 474) Query: Get_Subjects_in_Order

x	label	note
aat:300213522	Attic helmets@en	Helmets used in Greece from about the mid They were often highly decorated and surm
aat:300216950	Balmorals (petticoats)@en	Very full, ankle-length petticoats of gray or
aat:300262593	Bifwebe@en	Carved wooden masks of the Songye peop burial rituals and the consecration of new cl by prominent facial features, often including
aat:300213531	Corinthian helmets@en	Helmets consisting of a single plate of bron Greece, it had spread to Italy by the beginni
aat:300213534	Illyrian helmets@en	Open-faced helmets with cheekpieces and early 7th century BCE.@en
aat:300224862	Poldermittons@en	Large, heavy pieces of plate armor shaped armpit.@en
aat:300224863	Rennhüte	
aat:300210834	Rennzeug	
aat:300224865	Spangenh	
aat:300395594	Stahlhelms@en	Steel helmets of a distinctive style develope during World War I. Stahlhelms comprised a
aat:300210833	Stechzeuge@en	Armors designed for the Gestech, a form of
aat:300265060	academic costume@en	Refers to the various costumes worn by uni occasions. The most common element of a mortarboard, are other common elements o
aat:300404137	academic robes@en	Formal or ceremonial robes of varying color scholars and clerics.@en
aat:300298733	adargas@en	Hard leather shields used by light calvary ar shape, then generally created in the shape America when Cortez entered Mexico in the
aat:300224228	afternoon dress@en	Dress for daytime social functions.@en
aat:300226822	aketons@en	Plain quilted or padded coats of textile or le the early 15th century.@en

Again, download and save.

Finished!

Try yours

If you are interested in making your microthesaurus, e.g., drinking vessels, get the ID of it 300194567 from AAT (you can search AAT), then repeat the same steps.