

# 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

Marcia Zeng, 2018 DIS

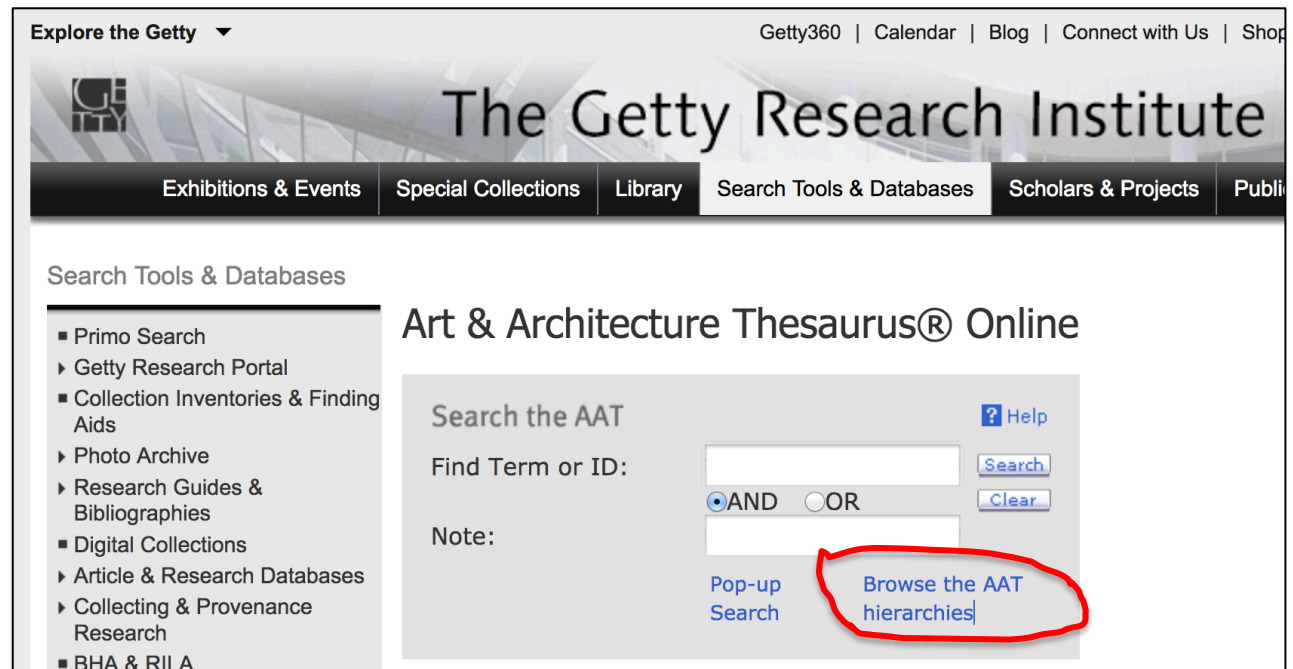


The image shows a screenshot of a web application. On the left is a tree view of the AAT hierarchy, with "Top of the AAT hierarchies" expanded to show "Objects Facet". On the right is a table of data with columns for AAT IDs and labels. A blue arrow points from the table back to the hierarchy.

aat:300264447	sgerafla@en
aat:300262796	aids to navigation@en
aat:300210466	aigrettes (plumes)@en
aat:300181617	airport beacons@en
aat:300181651	airway beacons@en
aat:300263682	akorkromfi@en
aat:300210415	albs@en
aat:300198819	alms dishes@en
aat:300210416	almuces (hoods)@en
aat:300263075	alcoab@en
aat:300391092	altar bells@en
aat:300391083	altar candlesticks@en
aat:300262580	altar crosses@en
aat:300198805	altar cruets@en
aat:300075940	altarpieces@en
aat:300264259	alus@en
aat:300210417	amices@en
aat:300198899	ampullae@en
aat:300266585	amulets@en

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

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



















The screenshot shows the Getty Research Institute website. The main navigation bar includes 'Exhibitions & Events', 'Special Collections', 'Library', 'Search Tools & Databases', 'Scholars & Projects', and 'Publications'. The 'Search Tools & Databases' section is expanded, showing a list of search tools including 'Primo Search', 'Getty Research Portal', 'Collection Inventories & Finding Aids', 'Photo Archive', 'Research Guides & Bibliographies', 'Digital Collections', 'Article & Research Databases', 'Collecting & Provenance Research', and 'BHA & RILA'. The 'Art & Architecture Thesaurus® Online' section is visible, featuring a search interface with a 'Find Term or ID:' input field, a 'Search' button, and radio buttons for 'AND' (selected) and 'OR'. Below the search interface, there are links for 'Pop-up Search' and 'Browse the AAT hierarchies', which is circled in red.

- 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.

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>

<input type="checkbox"/>		Top of the AAT hierarchies		
<input type="checkbox"/>		.... Objects Facet		
<input type="checkbox"/>		..... Object Genres (Hierarchy Name)		
<input type="checkbox"/>		..... object genres (object classifications)		
<input checked="" type="checkbox"/>		..... <object genres by function>		
<input type="checkbox"/>		..... accessories		
<input type="checkbox"/>		..... aids to navigation		
<input type="checkbox"/>		..... beacons [N]		
<input type="checkbox"/>		..... buoys [N]		
<input type="checkbox"/>		..... lighthouses [N]		
<input type="checkbox"/>		..... light stations [N]		
<input type="checkbox"/>		..... navigational instrum		
<input type="checkbox"/>		..... amulets		
<input type="checkbox"/>		..... Thor's hammers (ar		
<input type="checkbox"/>		..... armrests (object genre		
<input type="checkbox"/>		..... backdrops		
<input type="checkbox"/>		..... backrests		
<input type="checkbox"/>		..... ceremonial objects		
<input type="checkbox"/>		..... baptismal syringes		
<input type="checkbox"/>		..... bow stands [N]		
<input type="checkbox"/>		..... brush aspergilla [N]		
<input type="checkbox"/>		..... calumets [N]		
<input type="checkbox"/>		..... ceremonial chairs [N]		
<input type="checkbox"/>		..... ceremonial containe		
<input type="checkbox"/>		..... ceremonial costume		
<input type="checkbox"/>		..... ceremonial sound d		
<input type="checkbox"/>		..... ceremonial watercra		
<input type="checkbox"/>		..... ceremonial weapons		
<input type="checkbox"/>		..... déblés [N]		

aat:300264447	agere lfa@en
aat:300262796	aids to navigation@en
aat:300210466	aigrettes (plumes)@en
aat:300181617	airport beacons@en
aat:300181651	airway beacons@en
aat:300263682	akonkromfi@en
aat:300210415	albs@en
aat:300198819	alms dishes@en
aat:300210416	almuces (hoods)@en
aat:300263075	aloalo@en
aat:300391092	altar bells@en
aat:300391083	altar candlesticks@en
aat:300262580	altar crosses@en
aat:300198805	altar cruets@en
aat:300075940	altarpieces@en
aat:300264259	alusi@en
aat:300210417	amices@en
aat:300198899	ampullae@en
aat:300266585	amulets@en

ID: 300117143

2

 <object genres by function> (object genres (object Name))

**Terms:**








**object genres by function** (preferred,C,U,English-I)  
**objectgenres naar functie** (C,U,Dutch-P,D,U,U)  
**categorías de objetos por función** (C,U,Spanish-P,

Facet/Hierarchy Code: V.PE

**Hierarchical Position:**

 Objects Facet  
 .... Object Genres (Hierarchy Name) (G)  
 ..... object genres (object classifications) (G)

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-  Top of the AAT hierarchies
-  .... Objects Facet
-  ..... Object Genres (Hierarchy Name)
-  ..... object genres (object classifications)
-  ..... <object genres by function>
- ..... accessories
-  ..... aids to navigation
-  ..... beacons [N]
- ..... buoys [N]
- ..... lighthouses [N]
- ..... light stations [N]
-  ..... navigational instruments [N]
-  ..... amulets
- ..... Thor's hammers (amulets) [N]
- ..... armrests (object genre)
- ..... backdrops
- ..... backrests
-  ..... ceremonial objects
- ..... baptismal syringes
- ..... bow stands [N]
- ..... brush aspergilla [N]
- ..... calumets [N]
-  ..... ceremonial chairs [N]
-  ..... ceremonial containers [N]
-  ..... ceremonial costume [N]
-  ..... ceremonial sound devices [N]
-  ..... ceremonial watercraft [N]
-  ..... ceremonial weapons [N]
- ..... déblés [N]

**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:

The image shows two browser windows. The top window is at [vocab.getty.edu/sparql](http://vocab.getty.edu/sparql) and has a red circle with the number '3' around the address bar. The 'Queries' link in the navigation bar is circled in red with a red circle containing the number '4'. The bottom window is at [vocab.getty.edu/queries#Finding\\_Subjects](http://vocab.getty.edu/queries#Finding_Subjects). A blue arrow points from the text 'This should be the interface you see.' to the 'Finding Subjects' query interface in the bottom window. The interface includes a 'Query:' input field with the number '1', a 'Search' button, and a 'Table of Contents' section with the following items:

- 1 Introduction
  - 1.1 Sample Queries UI
  - 1.2 Revisions
    - 1.2.1 Version 3.0
    - 1.2.2 Version 3.1
    - 1.2.3 Version 3.2
    - 1.2.4 Version 3.3
    - 1.2.5 Version 3.4
- 2 Finding Subjects
  - 2.1 Top-level Subjects
  - 2.2 Descendants of a Given Parent
  - 2.3 Subjects by Contributor Id
  - 2.4 Subjects by Contributor Abbrev
  - 2.5 Preferred Ancestors

Other visible text in the bottom window includes: 'Version: 3.4', 'Last updated: 13 June 2017', 'HTML version: <http://vocab.getty.edu/doc/queries>', 'Queries UI: <http://vocab.getty.edu/queries>', 'Parent document: <http://vocab.getty.edu/doc>', 'Author: Vladimir Alexiev', '1.2.3 Version 3.2', '15 Dec 2015', and a list of added queries including 'Exact-Match Full Text Search Query', 'OpenRefine Reconciliation Service', 'Combination Full-Text and Exact String Match', and 'GraphDB SysInfo'.

This should be the interface you see.



# LOD Sample Queries

Version: 3.4  
Last updated: 13 June 2017  
HTML version: <http://vocab.getty.edu/doc/queries>  
Queries UI: <http://vocab.getty.edu/queries>  
Parent document: <http://vocab.getty.edu/doc>  
Author: Vladimir Alexiev

## Table of Contents

### 1 Introduction

- 1.1 Sample Queries UI
- 1.2 Revisions
  - 1.2.1 Version 3.0
  - 1.2.2 Version 3.1
  - 1.2.3 Version 3.2
  - 1.2.4 Version 3.3
  - 1.2.5 Version 3.4

### 2 Finding Subjects

- 2.1 Top level Subjects
- 2.2 **Descendants of a Given Parent**
- 2.3 Subjects by Contributor Id
- 2.4 Subjects by Contributor Abbrev
- 2.5 Preferred Ancestors
- 2.6 Full Text Search Query
- 2.7 Stop-Word Removal

Query:

```
1 select * {?x gvp:broaderExtended aat:300194567; skos:inScheme aat: ; gvp:prefLabel
```

- Include inferred
- Expand results over equivalent URIs

Submit

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## 2.2 Descendants of a Given Parent

Let's look for AAT descendants of 300194567 "drinking vessels". This finds "rhyta" and other interesting records, including "Fichtelgebirgehumpen".

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

SPARQL

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### 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".

RQL Queries AAT Search Search Brief

Query:

```
1 select * {?x gvp:broaderExtended aat:300194567; skos:inScheme aat: ; gvp:prefLabel
```



Query:

```
1 select * {?x gvp:broaderExtended aat:300117143; skos:inScheme aat: ; gvp:prefLabel
```

- Include inferred
- Expand results over equivalent URIs



Submit



SPARQL Queries

Any ▾

Search...

Search

Brief ▾

Results: (200 of 1586)

Download SPARQL Results in: [JSON](#) | [XML](#) | [CSV](#) | [TSV](#)

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



← vocab.getty.edu/sparql?query=select \* {%

**Getty Vocabularies: LOD**

SPARQL Queries Any ▾

**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.**

Results: (200 of 1686) Query: Descendants\_of\_a\_Given

x	I
<a href="#">aat:300213460</a>	stocking caps@en
<a href="#">aat:300217242</a>	bands (collars)@en
<a href="#">aat:300411983</a>	astels@en
<a href="#">aat:300410869</a>	fajas trenzadas@en
<a href="#">aat:300411515</a>	grafbords@en

## 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	<a href="#">gvp:Subject</a> , <a href="#">skos:Concept</a>
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
<a href="#">gvp:broader</a>	<a href="#">aat:300411704</a>
<a href="#">gvp:broaderGenericExtended</a>	<a href="#">aat:300411704</a>
<a href="#">gvp:broaderPartitiveExtended</a>	<a href="#">aat:300046094</a> , <a href="#">aat:300117143</a> , <a href="#">aat:300178802</a> , <a href="#">aat:300185711</a> , <a href="#">aat:300185712</a> , <a href="#">aat:300209261</a> , <a href="#">aat:300209273</a> , <a href="#">aat:300209274</a> , <a href="#">aat:300209285</a> , <a href="#">aat:300211601</a> , <a href="#">aat:300213421</a> , <a href="#">aat:300251645</a> , <a href="#">aat:300264092</a> , <a href="#">aat:300264551</a> , <a href="#">aat:300404589</a>
<a href="#">gvp:broaderExtended</a>	<a href="#">aat:300046094</a> , <a href="#">aat:300117143</a> , <a href="#">aat:300178802</a> , <a href="#">aat:300185711</a> , <a href="#">aat:300185712</a> , <a href="#">aat:300209261</a> , <a href="#">aat:300209273</a> , <a href="#">aat:300209274</a> , <a href="#">aat:300209285</a> , <a href="#">aat:300211601</a> , <a href="#">aat:300213421</a> , <a href="#">aat:300251645</a> , <a href="#">aat:300264092</a> , <a href="#">aat:300264551</a> , <a href="#">aat:300404589</a> , <a href="#">aat:300411704</a>
<a href="#">gvp:broaderPreferredExtended</a>	<a href="#">aat:300046094</a> , <a href="#">aat:300178802</a> , <a href="#">aat:300209261</a> , <a href="#">aat:300209273</a> , <a href="#">aat:300209274</a> , <a href="#">aat:300209285</a> , <a href="#">aat:300211601</a> , <a href="#">aat:300213421</a> , <a href="#">aat:300251645</a> , <a href="#">aat:300264092</a> , <a href="#">aat:300264551</a> , <a href="#">aat:300404589</a> , <a href="#">aat:300411704</a>

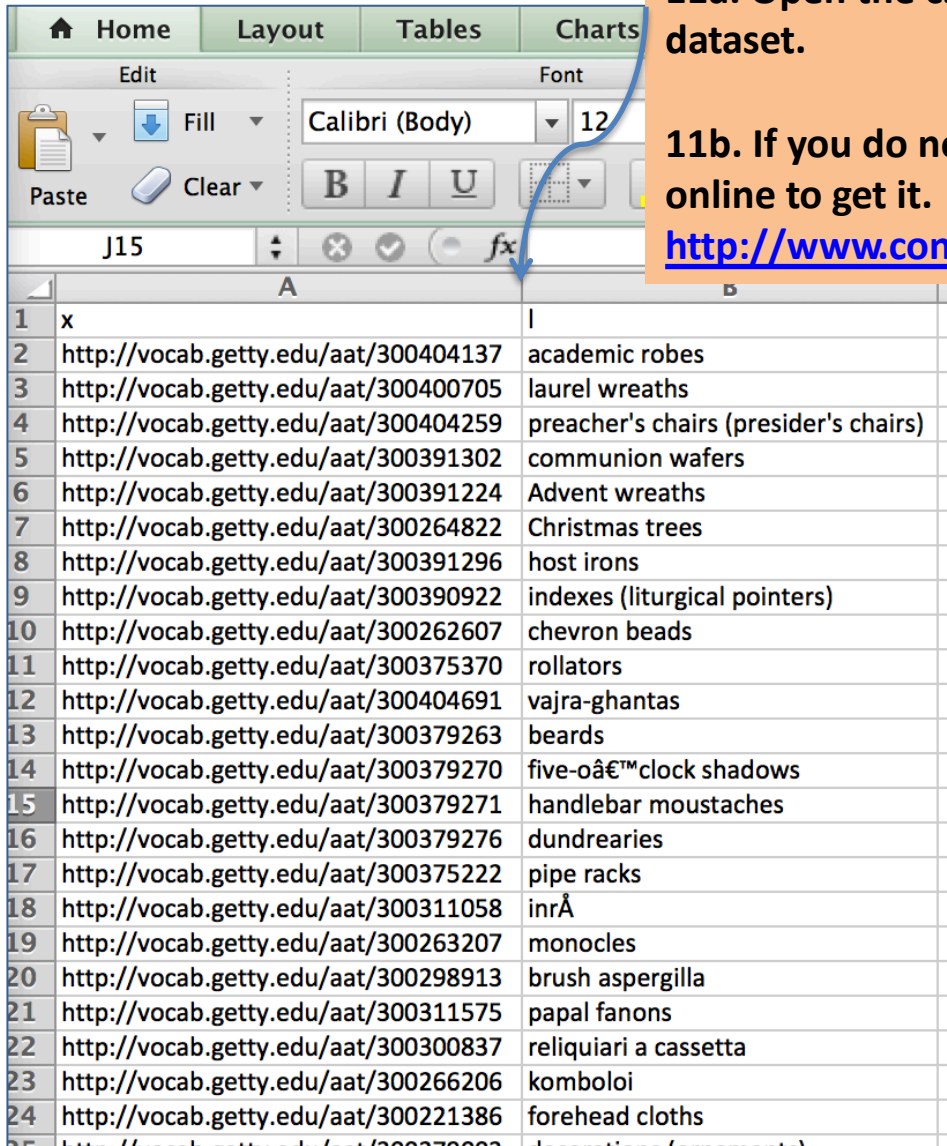
If you click on [Website | Hierarchy |](#), open the link in a new tap, you can see the normal HTML views.

## 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
25	http://vocab.getty.edu/aat/300270000	decorations (ornaments)

### Step 1: Select your input

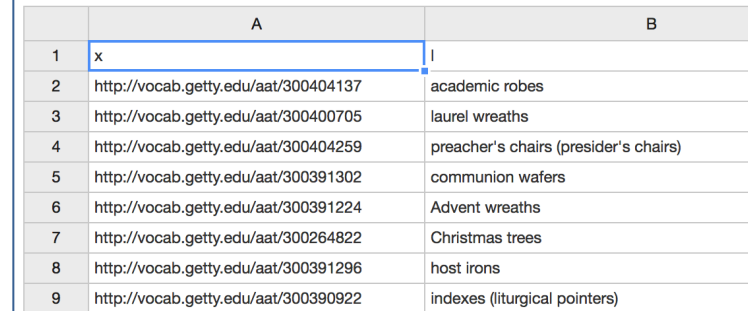
Option 1 - Choose a CSV file  facetObject.csv

Option 2 - Enter an URL

Option 3 - paste into Grid below

### Step 2: Choose input options (optional) v

Save Your result:  .csv or .xlsx  EOL:



	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 ?!** or **order by ?x**

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

**order by ?!**

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

x	I
<a href="#">aat:300001695</a>	protomai capitals@en
<a href="#">aat:300005947</a>	sarcophagi (coffins)@en
<a href="#">aat:300007739</a>	beacons@en
<a href="#">aat:300007741</a>	lighthouses@en
<a href="#">aat:300026422</a>	
<a href="#">aat:300026456</a>	

E.g., sort by AAT label (I):  
**order by ?!**

Getty Vocabularies: LOD SPARQL Queries Any Search

Results: (200 of 1586)

x	I
<a href="#">aat:300211602</a>	<accessories by location above the waist>@en
<a href="#">aat:300209283</a>	<accessories by location at the waist or below>@en
<a href="#">aat:300209282</a>	<accessories by location on arms or hands>@en
<a href="#">aat:300211601</a>	<accessories by location on the head>@en
<a href="#">aat:300211599</a>	<accessories by location on the legs or feet>@en
<a href="#">aat:300210822</a>	<armor by form>@en
<a href="#">aat:300210823</a>	<armor by function>@en
<a href="#">aat:300224810</a>	<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 ?!}
```

[Note: To **add** the **definitions/notes**. Now the red **!** 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

Download SPARQL Results in: [JSON](#) | [XML](#) | [CSV](#) | [TSV](#)

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.

## Getty Vocabularies: LOD Sample Queries

Version: 3.4  
Last updated: 13 June 2017  
HTML version: <http://vocab.getty.edu/doc/queries>  
Queries UI: <http://vocab.getty.edu/queries>  
Parent document: <http://vocab.getty.edu/doc>  
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Query:

```
1 select * {  
2   ?x gvp:broaderExtended aat:300212133; skos:inScheme aat: ;  
3   gvp:prefLabelGVP/xl:literalForm ?label;  
4   skos:scopeNote [dct:language gvp_lang:en; rdf:value ?note]  
5 }  
6
```

Include inferred

Expand results over equivalent URIs

Submit

**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>)

Getty Vocabularies: LOD

SPARQL Queries Any Search... Search Brief

Results: (200 of 474) Query: Finding\_Subjects Download SPARQL Results in: JSON | XML | CSV | TSV

x	label	note
<a href="#">aat:300411751</a>	doll's clothing@en	Miniature versions of clothing meant to be worn by figural toys.@en
<a href="#">aat:300224239</a>	livery (uniforms)@en	Distinctive uniforms worn by serv...
<a href="#">aat:300412126</a>	comic masks@en	Masks used by actors in Ancient... standard variations, representing
<a href="#">aat:300404137</a>	academic robes@en	Formal or ceremonial robes of var... an academic context. These have... for scholars and clerics.@en
<a href="#">aat:300400705</a>	laurel wreaths@en	Headgear comprising circular or U... branches of the laurel tree. An ex... during the triumphal procession a
<a href="#">aat:300209945</a>	bathrobes@en	Loose-fitting knee-length or ankle-length garments, often tied with a belt, usually of a warm absorbent material, worn before and after bathing or informally around the house.@en
<a href="#">aat:300390928</a>	monastic clothing@en	Distinctive clothing worn by members of monastic religious orders, by which their membership is typically identified.@en

Marcia Zeng, 2018 DIS 15

<http://vocab.getty.edu/sparql>

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!

## [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 →

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