Catalogue experiment: Baroque AI

Class participants

3/17/23

Table of contents

Chapter 1

Catalogue experiment: Baroque AI

1.1 Part of series: Baroque TOC

Programme instructions

> 2023-03-17 v1.0

Example publications:

- Exhibition catalogue demo: toc Baroque /toc from Experimental Books – Re-imagining Scholarly Publishing, COPIM. Workshop URL: https://experimentalbooks.pubpub.org/programme-overview
- Publishers catalogue demo: ScholarLed A catalogue of ScholarLed presses built on a Quarto / Jupyter Notebook model for computational publishing. The publication is automatically updated daily to reflect any new books added by the publishers.
- Proof of concept #1 - Computational Publication: Computational Publishing for Collections - ADA CP Prototype #1 - Nov 22
- Proof of concept #2 - To be confirmed, completion for end of April 2023. This contains all parts fully rendered: Cover, colophon, essay, collection, graph, TIB AV Portal, Semantic Kompakkt
- semanticClimate: To be confirmed - customised research papers readers made for regional climate change action plans based on IPCC reports and sourcing content from open research repositories.
- FSCI Summer School - publishing from collections class: To be confirmed, July 2023

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Book cover: Reworking of Baroque pearl with enamelled gold mounts set with rubies. Creative Commons CC0 1.0 Universal Public Domain Dedication. This file was donated to Wikimedia Commons as part of a project by the Metropolitan Museum of Art.

Chapter 2

Activity A: Paintings catalogue in Jupyter Notebook

Objective: Make a selection of nine paintings for the exhibition catalogue to be selected from Wikidata and rendered multi-format in Quarto.

The below Python code uses SPARQLWrapper to retrieve data from Wikidata based on a SPARQL query.

Wikidata link: http://www.wikidata.org/entity/Q29474642

Title: The Birth of Benjamin

Year: 1650

Creator: Francesco Furini

Copyright: public domain

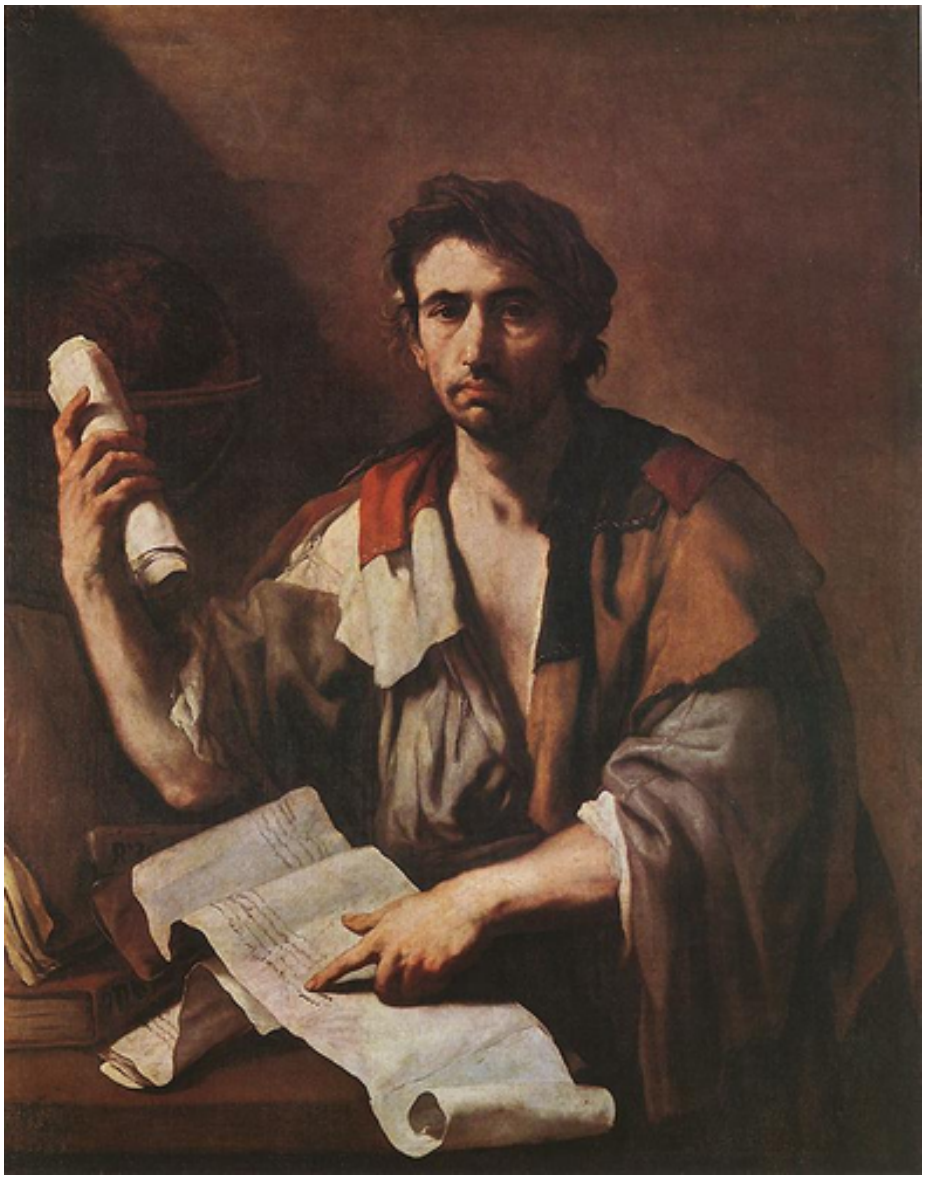
Wikidata link: http://www.wikidata.org/entity/Q29474649

Title: A Cynical Philosopher

Year: 1650

Creator: Luca Giordano

Copyright: public domain



Wikidata link: http://www.wikidata.org/entity/Q29474651

Title: Solomon and the Queen of Sheba

Year: 1697

Creator: Luca Giordano

Copyright: public domain

Wikidata link: http://www.wikidata.org/entity/Q29477235

Title: Q29477235

Year: 1674

Creator: Antonio Triva

Copyright: public domain

Wikidata link: http://www.wikidata.org/entity/Q29477863

Title: Q29477863

Year: 1633

Creator: Guido Reni

Copyright: public domain

Wikidata link: http://www.wikidata.org/entity/Q29477898

Title: Still-Life with Books

Year: 1628

Creator: Jan Lievens

Copyright: public domain

Wikidata link: http://www.wikidata.org/entity/Q29480557

Title: Feast of Herod

Year: 1630

Creator: http://www.wikidata.org/.well-known/genid/3f945710e81609ba4bae458b2820460a

Copyright: public domain

Wikidata link: http://www.wikidata.org/entity/Q29480565

Title: Venus and Cupid

Year: 1625

Creator: Heinrich Bollandt

Copyright: public domain

Wikidata link: http://www.wikidata.org/entity/Q29480594

Title: Still-life with Parrot

Year: 1630

Creator: Georg Flegel

Copyright: public domain

Chapter 3

Activity B: Embedded video in Jupyter Notebook

Objective: Running and editing Juypter Notebooks in MyBinder and retrieving video and 3D models as embeds.

The below Python code experiments with retrieving video data via iframe embedding.

```
<IPython.core.display.HTML object>
```

3.1 3D model embedding

The below Python code experiments with retrieving 3D data via iframe embedding.

```
<IPython.core.display.HTML object>
```

```
<IPython.core.display.HTML object>
```

Chapter 4

NextCloud MD Editor

Call outs?

Figure 4.1: David_Teniers_(II)_-_The_gallery_of_Archduke_Leopold_in_Brussels.jpg

Vegetables	Not vegetables	Bier	Wein
Raddish Leak	Mushroom		

Please edit here: hello here is nils

English: *Still-life with Parrot*

Deutsch: *Stillleben mit Papagei*

to do list

- ☐ *Activity 1*
- ☐ Activity 2
- ☐ Activity 3

Sucess

Warning

Danger

and this is paul, look I can make edits!!

SW: Ive tuurned on the colour marking for users, but this maybe only shows up for me and not all other users.

nils: at the moment i dont see any color marking => fixed by enable option

The colour thing must be user specific.

```
WHERE
{
  # find items which:
  # are instances of (wdt:P31) paintings (wd:Q3305213)
  # have the property (wdt:P195) of being in collection wd:Q812285 (Bavarian State Painting Colle
  ?item wdt:P31 wd:Q3305213 .
  ?item wdt:P195 wd:Q812285 .
  # get the item's creator property (wdt:P170)
  ?item wdt:P170 ?creator .
  # get the item's image property (wdt:P18)
  ?item wdt:P18 ?image .
  # get the item's copyright status (wdt:P6216)
  ?item wdt:P6216 ?copyright .
    {
    ?item wdt:P571 ?inception.
    BIND(YEAR(?inception) AS ?inceptionyear)
  }
```

Chapter 5

END