

Baroque AI: Publication Prototype

Class participants

3/17/23

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Chapter 1

Part of the series: Baroque TOC

Programme instructions

2023-03-17 v1.0

Venus und Cupido, Heinrich Bollandt, between circa 1620 and circa 1630. https://commons.wikimedia.org/wiki/File:Heinrich_Bollandt__Venus_und_Cupido.jpg This work is in the public domain.

Example publications:

- Exhibition Catalogue (Work in progress) - <https://nfdi4culture.github.io/catalogue-003/> (content from the current repo)
- 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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Chapter 2

Colophon

PUBLISHING FROM COLLECTIONS USES OF COMPUTATIONAL PUBLISHING AND LINKEDOPEN DATA

Open Science Lab - TIB Hannover

First published 2023-03-30

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DOI: <https://doi.org/10.5281/zenodo.7701161>

Chapter 3

Catalogue Experiment: Baroque AI

Nextcloud Markdown document link: <https://tib.eu/cloud/s/qBx8SbqiPBBedye>

3.1 Part of the series: Baroque TOC

- Class instructions and all links: <https://nfdi4culture.github.io/class-ADA-CP-pipeline/>
 - Demo publication: <https://nfdi4culture.github.io/catalogue-003/>
 - Repo link: <https://github.com/NFDI4Culture/catalogue-003>
-

3.2 Add your name:

- Simon Worthington

3.3 Text editing

Paste in a section of text based on variation of Baroque painting collections in the state of Bavaria.

<https://openai.com/blog/chatgpt>

<https://www.perplexity.ai/>

Chapter 4

Activity: 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

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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

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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

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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

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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>

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Title: Big banquet

Year: 1620

Creator: Georg Flegel

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q29480596>

Title: Meal with a Mouse and a Parrot

Year: 1650

Creator: Georg Flegel

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q29480634>

Title: Portrait of Prince Ladislaus Sigismund Vasa

Year: 1610

Creator: <http://www.wikidata.org/.well-known/genid/f77a14295b43d06ea1a0e9e3ec892c49>

Copyright: public domain

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Wikidata link: <http://www.wikidata.org/entity/Q19930126>

Title: Battle Painting

Year: 1650

Creator: Johann Heinrich Schönfeld

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q19930364>

Title: Rocky Landscape with Antique Ruins

Year: 1657

Creator: Nicolaes Pieterszoon Berchem

Copyright: public domain

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Wikidata link: <http://www.wikidata.org/entity/Q19960862>

Title: Supper at the House of Burgomaster Rockox

Year: 1632

Creator: Frans Francken the Younger

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q19960948>

Title: The Gallery of Archduke Leopold in Brussels (II)

Year: 1655

Creator: David Teniers the Younger

Copyright: public domain

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Wikidata link: <http://www.wikidata.org/entity/Q19968958>

Title: Singers

Year: 1610

Creator: Jean LeClerc

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q19973874>

Title: Sacrifice of Abraham

Year: 1636

Creator: Rembrandt

Copyright: public domain

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Wikidata link: <http://www.wikidata.org/entity/Q19973874>

Title: Sacrifice of Abraham

Year: 1636

Creator: <http://www.wikidata.org/.well-known/genid/90c4ff7a51d7f010f33e825766fada65>

Copyright: public domain

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Wikidata link: <http://www.wikidata.org/entity/Q20017804>

Title: Italian Evening Landscape

Year: 1670

Creator: Nicolaes Pieterszoon Berchem

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q20064545>

Title: A mother with two children and a maid with a pail by a fireplace

Year: 1675

Creator: Pieter de Hooch

Copyright: public domain

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Chapter 5

Activity: Embedded video in Jupyter Notebook

Objective: Running and editing Jupyter 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>
```

5.1 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>
```

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