

# Baroque AI: Publication Prototype

Class participants

2023-03-17





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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](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 LINKED OPEN 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.  
<https://w.wiki/6Ww7>

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

Wikidata link: <http://www.wikidata.org/entity/Q17276254>

Title: Flowers in a Glass Flask

Year: 1612

Creator: Jacob de Gheyn II

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q17737853>

Title: Portrait of Jan Pietersz. Sweelinck (1562-1621)

Year: 1606

Creator: Gerrit Pietersz Sweelinck

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q24451307>

Title: Willem van den Kerckhoven and his Family

Year: 1652

Creator: Johannes Mytens



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Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q27538256>

Title: Still-life with Carp

Year: 1647

Creator: Abraham van Beijeren

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q28060097>

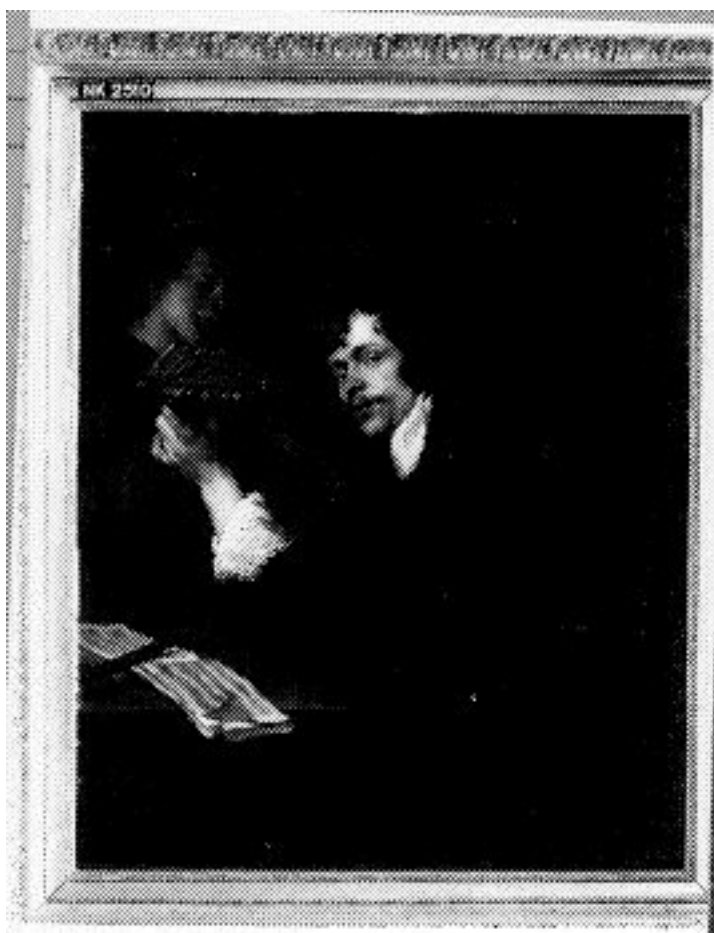
Title: Q28060097

Year: 1642

Creator: Lucas Franchois the Younger

Copyright: public domain

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Wikidata link: <http://www.wikidata.org/entity/Q28060433>

Title: musical party

Year: 1657

Creator: Gerbrand van den Eeckhout

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q28060433>

Title: musical party

Year: 1657

Creator: Gerbrand van den Eeckhout

Copyright: public domain



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Wikidata link: <http://www.wikidata.org/entity/Q28061670>

Title: Arcadian landscape

Year: 1615

Creator: Moses van Uyttenbroeck

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q28094197>



Title: Portrait of dr. Nicolaes Cromhout (1561-1641)

Year: 1622

Creator: <http://www.wikidata.org/.well-known/genid/fe3ac095438ca74a6fe6f49001bc25bd>

Copyright: public domain





## Chapter 5

# Activity: Embedded video in Jupyter Notebook

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

### 5.1 Video embedding

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

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

### 5.2 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>
```

