

# Sandbox Notebook Rendering

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# Preface

This is a Quarto book.

To learn more about Quarto books visit <https://quarto.org/docs/books>.



# Chapter 1

## Introduction

This is a book created from markdown and executable code.

See Knuth (1984) for additional discussion of literate programming.



## **Chapter 2**

## **Summary**

In summary, this book has no content whatsoever.



# **Chapter 3**

## **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/Q19930126>

Title: Battle Painting

Year: 1650

Creator: Johann Heinrich Schönfeld

Copyright: public domain

8CHAPTER 3. ACTIVITY: PAINTINGS CATALOGUE IN JUPYTER NOTEBOOK



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

Title: Rocky Landscape with Antique Ruins

Year: 1657

Creator: Nicolaes Pieterszoon Berchem

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q19930472>

Title: Riding School Before Ancient Ruins

Year: 1750

Creator: Pieter van Bloemen

Copyright: public domain

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## **Chapter 4**

# **Sample Collection Template**

From: URL



## **Chapter 5**

# **Sample Collection Sprengel Museum**

Paintings from the Sprengel Museum, Hannover. <https://www.wikidata.org/wiki/Q510144>

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

Wikidata link: <http://www.wikidata.org/entity/Q934482>

Title: The Street Enters the House

Year: 1911

Creator: Umberto Boccioni

Copyright: public domain



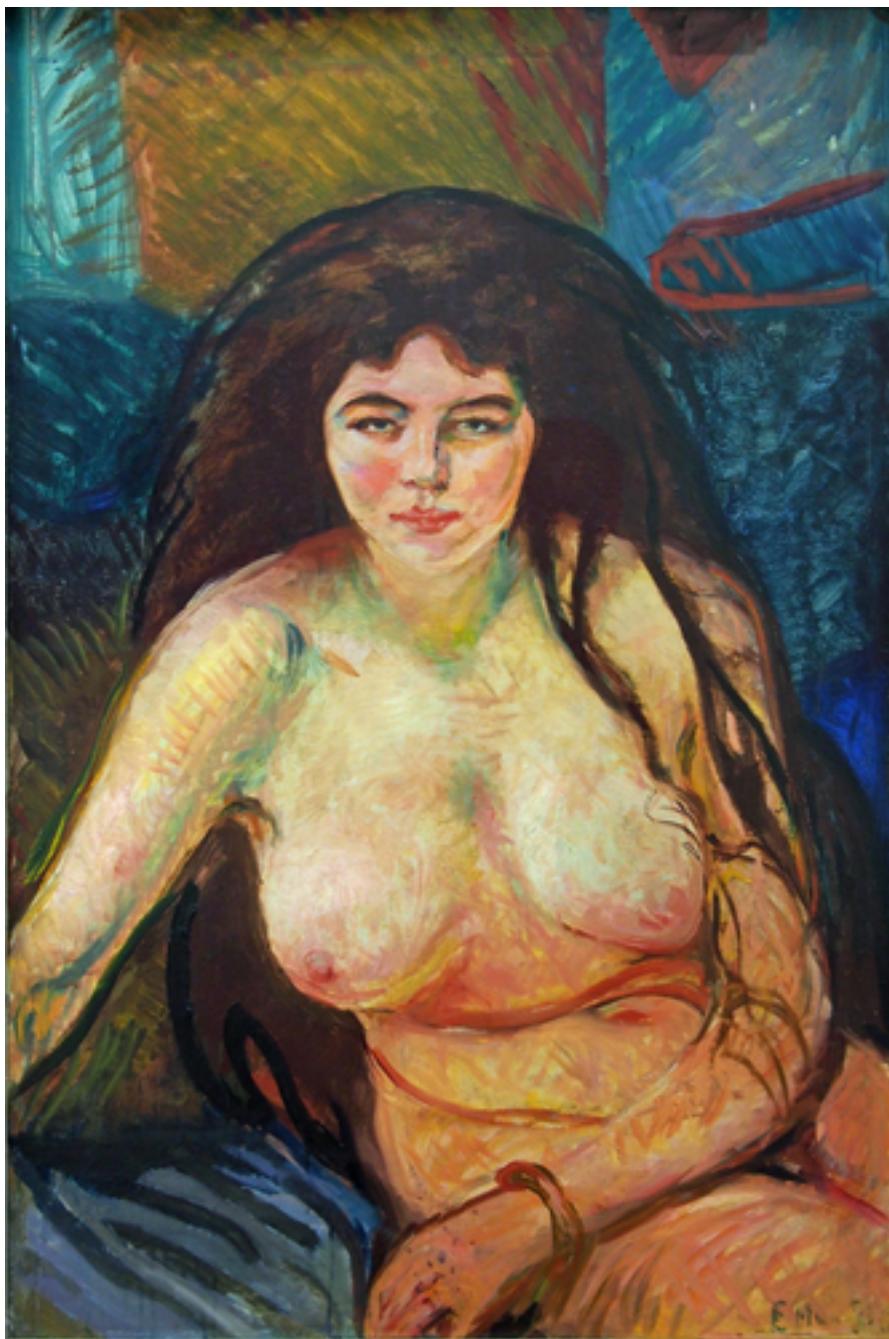
Wikidata link: <http://www.wikidata.org/entity/Q18890767>

Title: Seated Nude

Year: 1902

Creator: Edvard Munch

Copyright: public domain



Wikidata link: <http://www.wikidata.org/entity/Q18890869>

Title: Small Town Street in Snow

Year: 1906

Creator: Edvard Munch

Copyright: public domain



## Chapter 6

# Sample Collection Ahmad

From: <https://w.wiki/6a6J>

Wikidata link: <http://www.wikidata.org/entity/Q27978235>

Title: Summer (with Sacrifice of Isaac)

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978238>

Title: Autumn with Moses receiving the Ten Commandments

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978239>

Title: Mocking of Christ

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978241>

Title: Portrait of man with sun clock and astrolabium

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978242>

Title: Q27978242

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978244>

Title: Q27978244

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978246>

Title: Summer (June, July, August)

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978247>

Title: Q27978247

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978248>

Title: Q27978248

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978249>

Title: Adoration of the Magi

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978253>

Title: Q27978253

Creator: Francesco Bassano the Younger



Wikidata link: <http://www.wikidata.org/entity/Q27978258>

Title: Q27978258

Creator: Girolamo da Ponte



Wikidata link: <http://www.wikidata.org/entity/Q27978260>

Title: Q27978260

Creator: Girolamo da Ponte



Wikidata link: <http://www.wikidata.org/entity/Q27978261>

Title: Q27978261

Creator: Girolamo da Ponte



Wikidata link: <http://www.wikidata.org/entity/Q27978262>

Title: Q27978262

Creator: Girolamo da Ponte



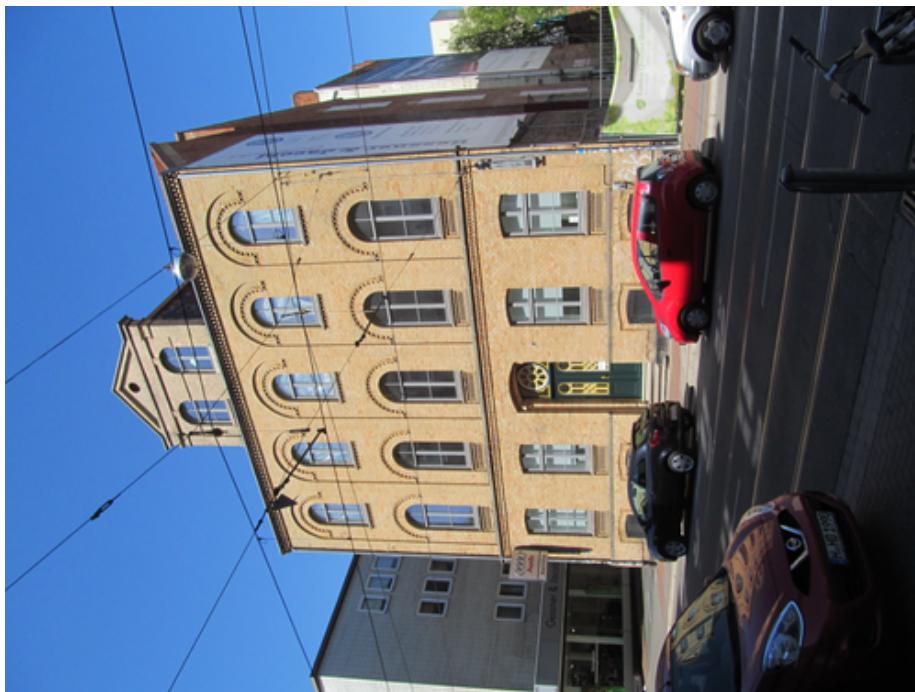
## Chapter 7

# Sample Collection Albaloush

From: <https://w.wiki/6cNa>

Wikidata link: <http://www.wikidata.org/entity/Q115941601>

Title: Falkenstraße 16, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q115960116>

Title: Am Lindener Berge 38, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116057907>

Title: Charlottenstraße 88, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116045245>

Title: Ricklinger Straße 2, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116047390>

Title: Allerweg 27, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116047455>

Title: Laportestraße 24a, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116057174>

Title: Haspelmathstraße 9, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116057354>

Title: Ahrbergstraße 1 (facade), Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116057448>

Title: Ahrbergstraße 13, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116057641>

Title: Charlottenstraße 81, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116057981>

Title: Charlottenstraße 94, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116058031>

Title: Tonstraße 2, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116121707>

Title: Menzelstraße 19, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116121927>

Title: Menzelstraße 21, Hannover



Wikidata link: <http://www.wikidata.org/entity/Q116122057>

Title: Menzelstraße 22, Hannover





## Chapter 8

# Sample Collection Aroud

From: <https://w.wiki/6aLJ> updated <https://w.wiki/6crp>

Wikidata link: <http://www.wikidata.org/entity/Q21623>

Title: Alicia Ostriker



Wikidata link: <http://www.wikidata.org/entity/Q22677>

Title: Michael S. Hart



Wikidata link: <http://www.wikidata.org/entity/Q23437>

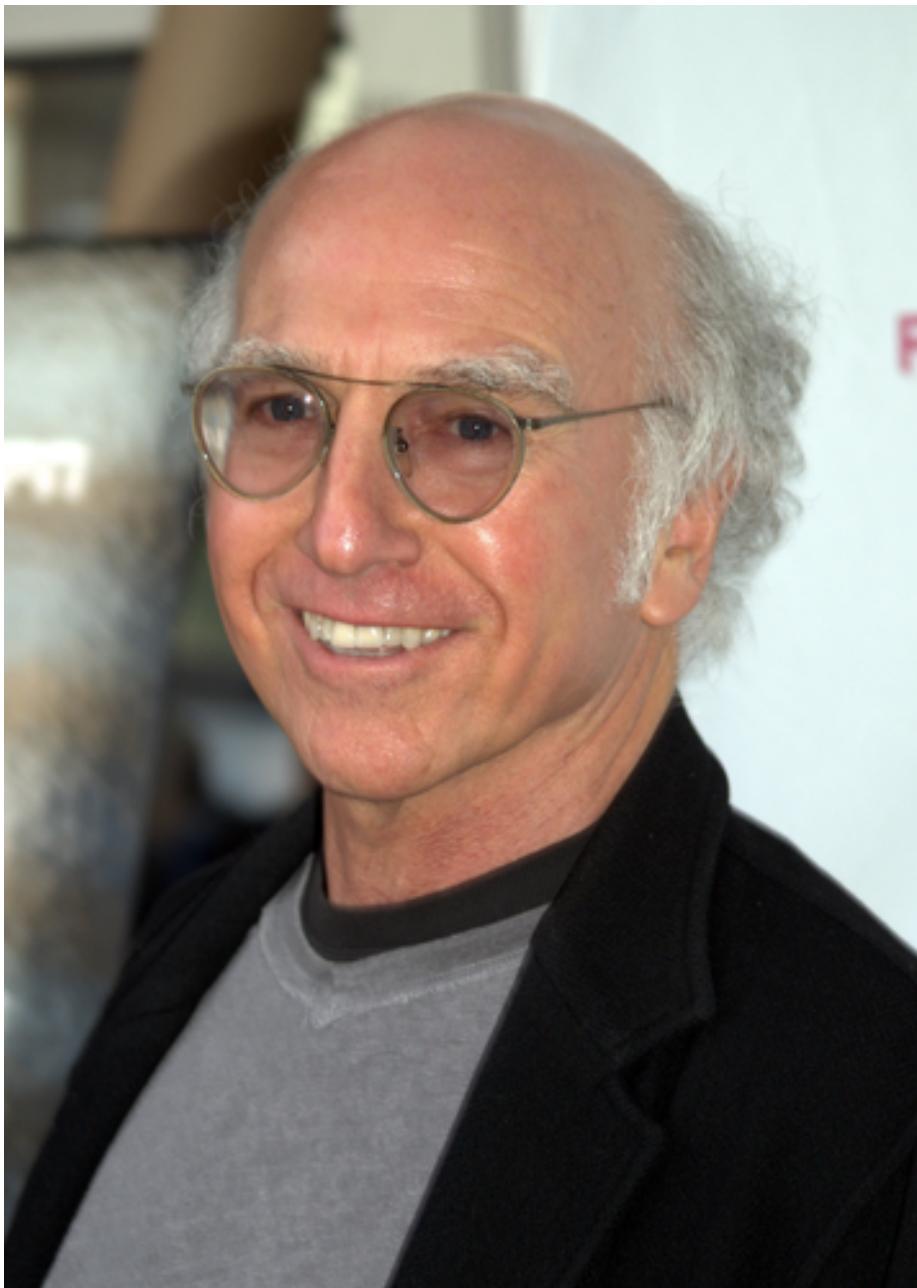
Title: William Hirstein

Wikidata link: <http://www.wikidata.org/entity/Q23446>

Title: Quentin Smith

Wikidata link: <http://www.wikidata.org/entity/Q23728>

Title: Larry David



Wikidata link: <http://www.wikidata.org/entity/Q23858>

Title: John Belushi



Wikidata link: <http://www.wikidata.org/entity/Q23952>

Title: Lois Bancroft Long



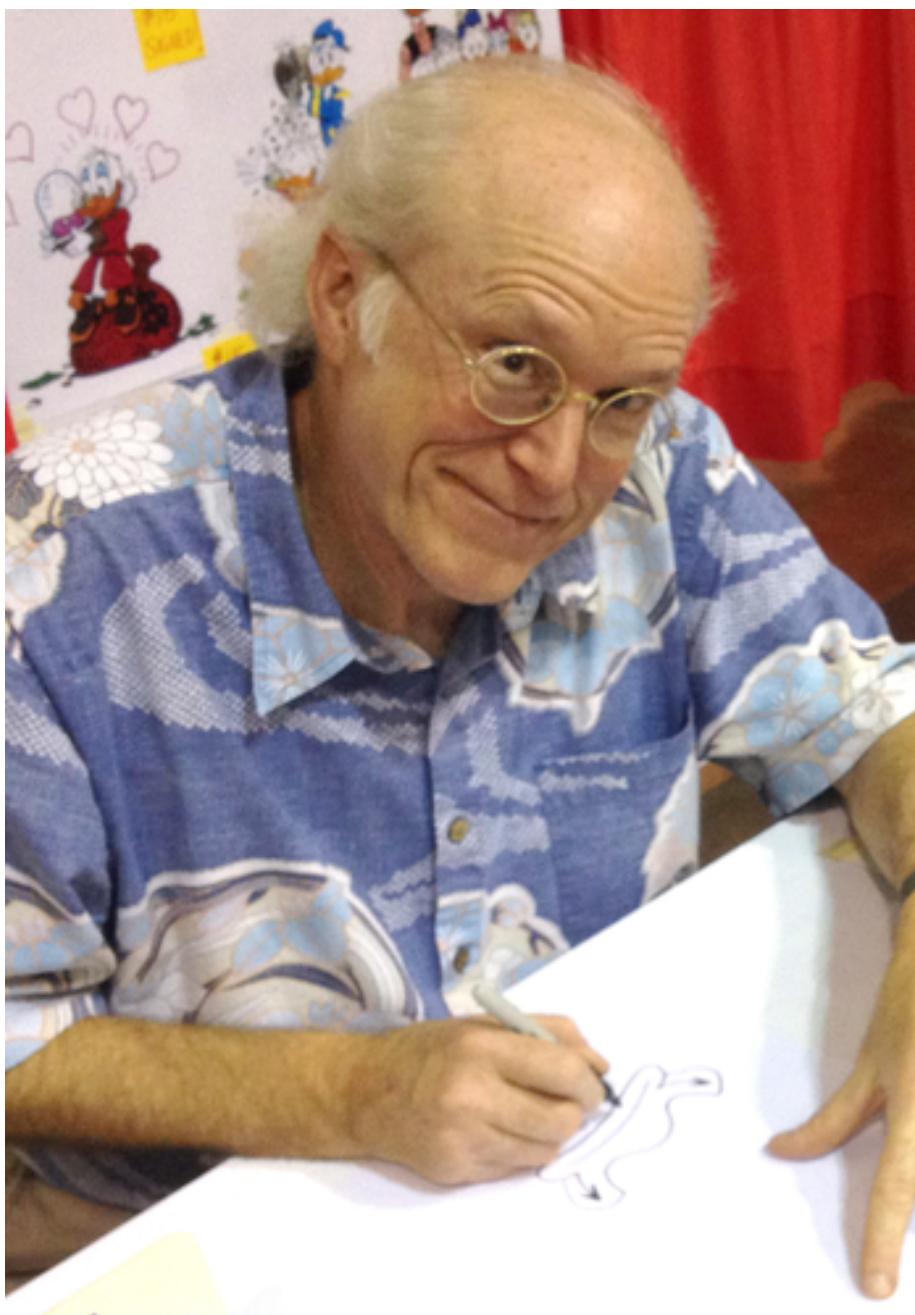
Wikidata link: <http://www.wikidata.org/entity/Q24155>

Title: Pamela Des Barres



Wikidata link: <http://www.wikidata.org/entity/Q24184>

Title: Don Rosa





## Chapter 9

# Sample Collection Cornelius

From: <https://w.wiki/6aJ3> updated <https://w.wiki/6crp>

Wikidata link: <http://www.wikidata.org/entity/Q21623>

Title: Alicia Ostriker



Wikidata link: <http://www.wikidata.org/entity/Q22677>

Title: Michael S. Hart



Wikidata link: <http://www.wikidata.org/entity/Q23437>

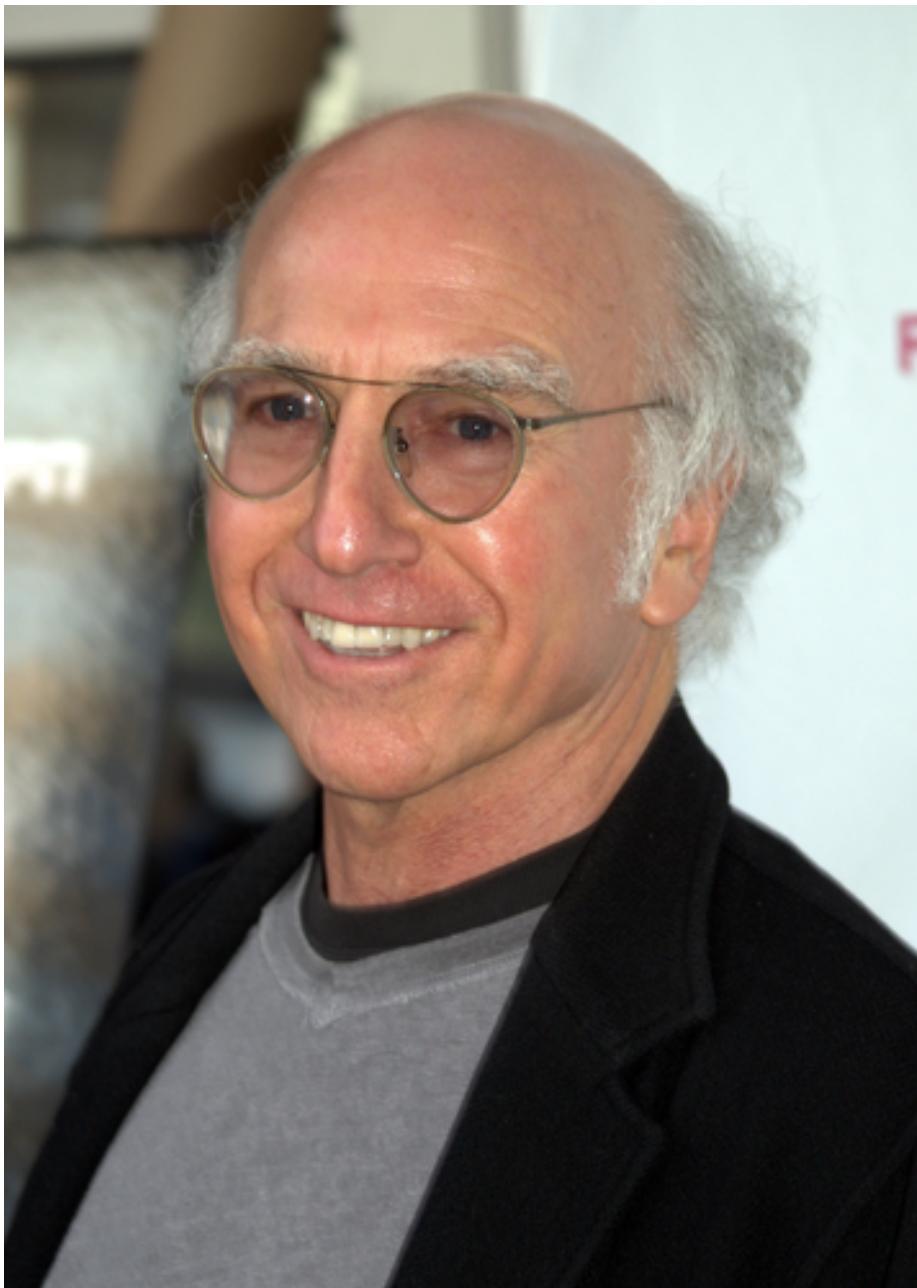
Title: William Hirstein

Wikidata link: <http://www.wikidata.org/entity/Q23446>

Title: Quentin Smith

Wikidata link: <http://www.wikidata.org/entity/Q23728>

Title: Larry David



Wikidata link: <http://www.wikidata.org/entity/Q23858>

Title: John Belushi



Wikidata link: <http://www.wikidata.org/entity/Q23952>

Title: Lois Bancroft Long



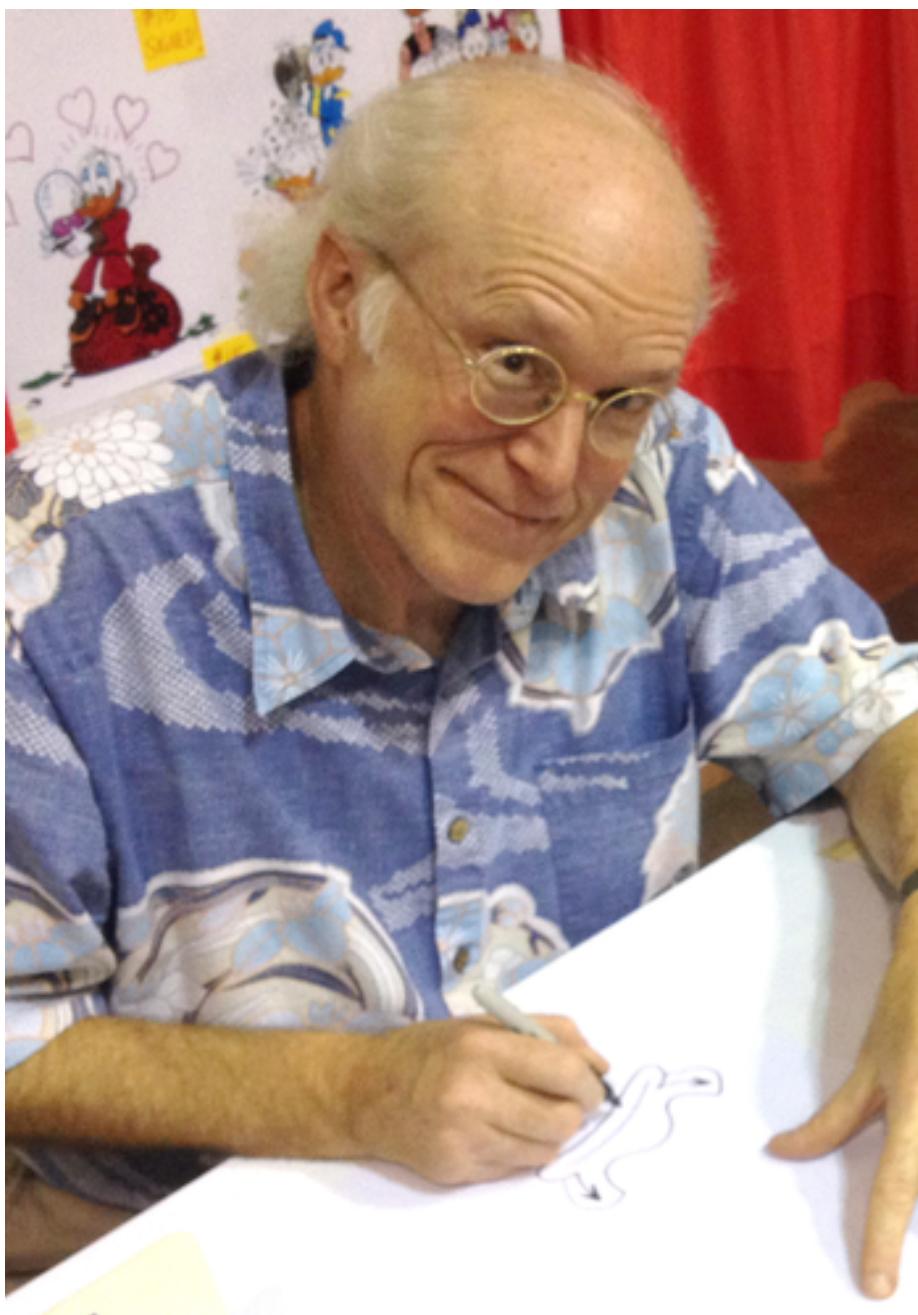
Wikidata link: <http://www.wikidata.org/entity/Q24155>

Title: Pamela Des Barres



Wikidata link: <http://www.wikidata.org/entity/Q24184>

Title: Don Rosa





## Chapter 10

# Sample Collection Darkhabani

From: <https://w.wiki/6aKG>

Wikidata link: <http://www.wikidata.org/entity/Q211293>

Wikidata link: <http://www.wikidata.org/entity/Q212616>

Urheberrechtsstatus: public domain



Wikidata link: <http://www.wikidata.org/entity/Q219271>

Urheberrechtsstatus: public domain



Wikidata link: <http://www.wikidata.org/entity/Q219344>

Urheberrechtsstatus: public domain



Wikidata link: <http://www.wikidata.org/entity/Q219831>

Urheberrechtsstatus: public domain

DecompressionBombError: Image size (2800346094 pixels) exceeds limit of 178956970 pixels, could b



## Chapter 11

# Sample Collection Debase

From: <https://w.wiki/6ZpM> updated <https://w.wiki/6crz>

Wikidata link: <http://www.wikidata.org/entity/Q263491>

Title: Haus der Geschichte Baden-Württemberg



Wikidata link: <http://www.wikidata.org/entity/Q264209>

Title: Valentin-Volkssänger-Musäum



Wikidata link: <http://www.wikidata.org/entity/Q264941>

Title: Holzknechtmuseum Ruhpolding



Wikidata link: <http://www.wikidata.org/entity/Q266565>

Title: Markus Wasmeier Bauernhof- und Wintersportmuseum



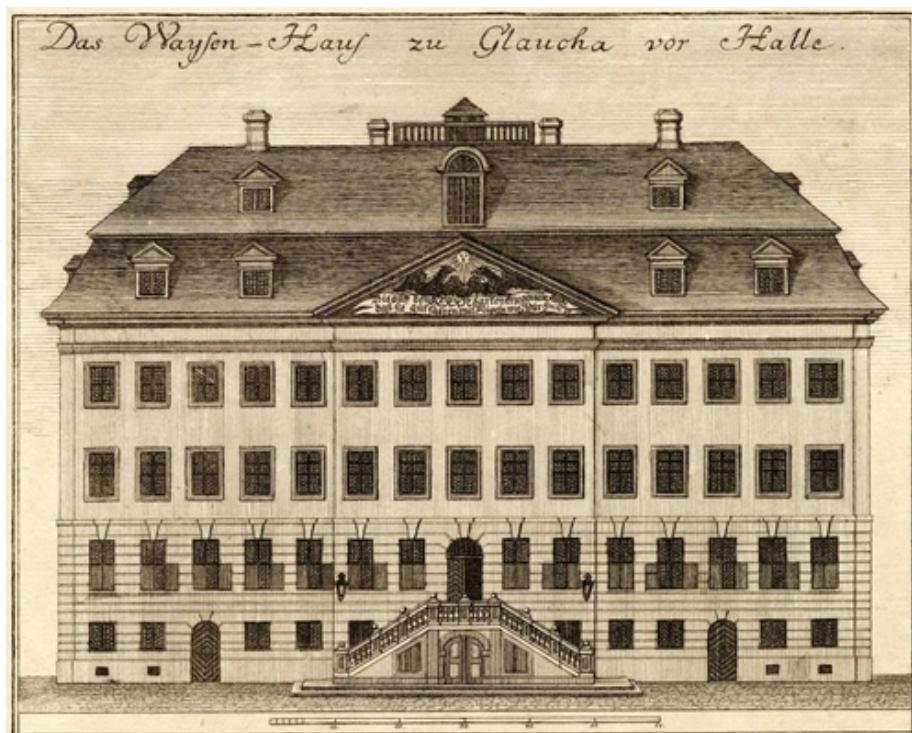
Wikidata link: <http://www.wikidata.org/entity/Q268609>

Title: Stadthaus Ulm



Wikidata link: <http://www.wikidata.org/entity/Q276846>

Title: Francke Foundations



Wikidata link: <http://www.wikidata.org/entity/Q278908>

Title: Margravial Opera House



Wikidata link: <http://www.wikidata.org/entity/Q286549>

Title: The New Collection



Wikidata link: <http://www.wikidata.org/entity/Q314082>

Title: Landesmuseum Hannover



## Chapter 12

# Sample Collection Kromm

From: <https://w.wiki/6Ww7>

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 Sweelink

Copyright: public domain



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

Title: Willem van den Kerckhoven and his Family

Year: 1652

Creator: Johannes Mytens

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 Franschoys the Younger

Copyright: public domain



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



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 13

# Sample Collection Sommer

From: <https://w.wiki/6aKR>

```

'value': 'Dorf am See'}, 'inception': {'datatype': 'http://www.w3.org/2001/XMLSchema#dateTime',
'type': 'literal', 'value': '1913-01-01T00:00:00Z'}, 'creatorLabel': {'xml:lang':
'en', 'type': 'literal', 'value': 'Karl Schmidt-Rottluff'}, 'made_from_materialLabel':
{'xml:lang': 'en', 'type': 'literal', 'value': 'canvas'}, 'inventory_number':
{'type': 'literal', 'value': '16107'}}, {'title': {'xml:lang': 'de', 'type': 'literal',
'value': 'Dorf am See'}, 'inception': {'datatype': 'http://www.w3.org/2001/XMLSchema#dateTime',
'type': 'literal', 'value': '1913-01-01T00:00:00Z'}, 'creatorLabel': {'xml:lang':
'en', 'type': 'literal', 'value': 'Karl Schmidt-Rottluff'}, 'made_from_materialLabel':
{'xml:lang': 'en', 'type': 'literal', 'value': 'oil paint'}, 'inventory_number':
{'type': 'literal', 'value': 'A II 302'}}, {'title': {'xml:lang': 'de', 'type': 'literal',
'value': 'Landschaft am See'}, 'inception': {'datatype': 'http://www.w3.org/2001/XMLSchema#dateTime',
'type': 'literal', 'value': '1934-01-01T00:00:00Z'}, 'creatorLabel': {'xml:lang':
'en', 'type': 'literal', 'value': 'Karl Schmidt-Rottluff'}, 'inventory_number':
{'type': 'literal', 'value': '16111'}}]}]} Inventory number: 12125

```

Title: Ruhende Frau

Creator: Karl Schmidt-Rottluff

Inventory number: 12125

Title: Ruhende Frau

Creator: Karl Schmidt-Rottluff

Inventory number: A II 335

Title: Ruhende Frau

Creator: Karl Schmidt-Rottluff

Inventory number: A II 335

Title: Ruhende Frau

Creator: Karl Schmidt-Rottluff

Inventory number: 16107

Title: Dorf am See

Creator: Karl Schmidt-Rottluff

Inventory number: 16107

Title: Dorf am See

Creator: Karl Schmidt-Rottluff

Inventory number: A II 302

Title: Dorf am See

Creator: Karl Schmidt-Rottluff

Inventory number: A II 302

Title: Dorf am See

Creator: Karl Schmidt-Rottluff

Inventory number: 16111

Title: Landschaft am See

Creator: Karl Schmidt-Rottluff



## **Chapter 14**

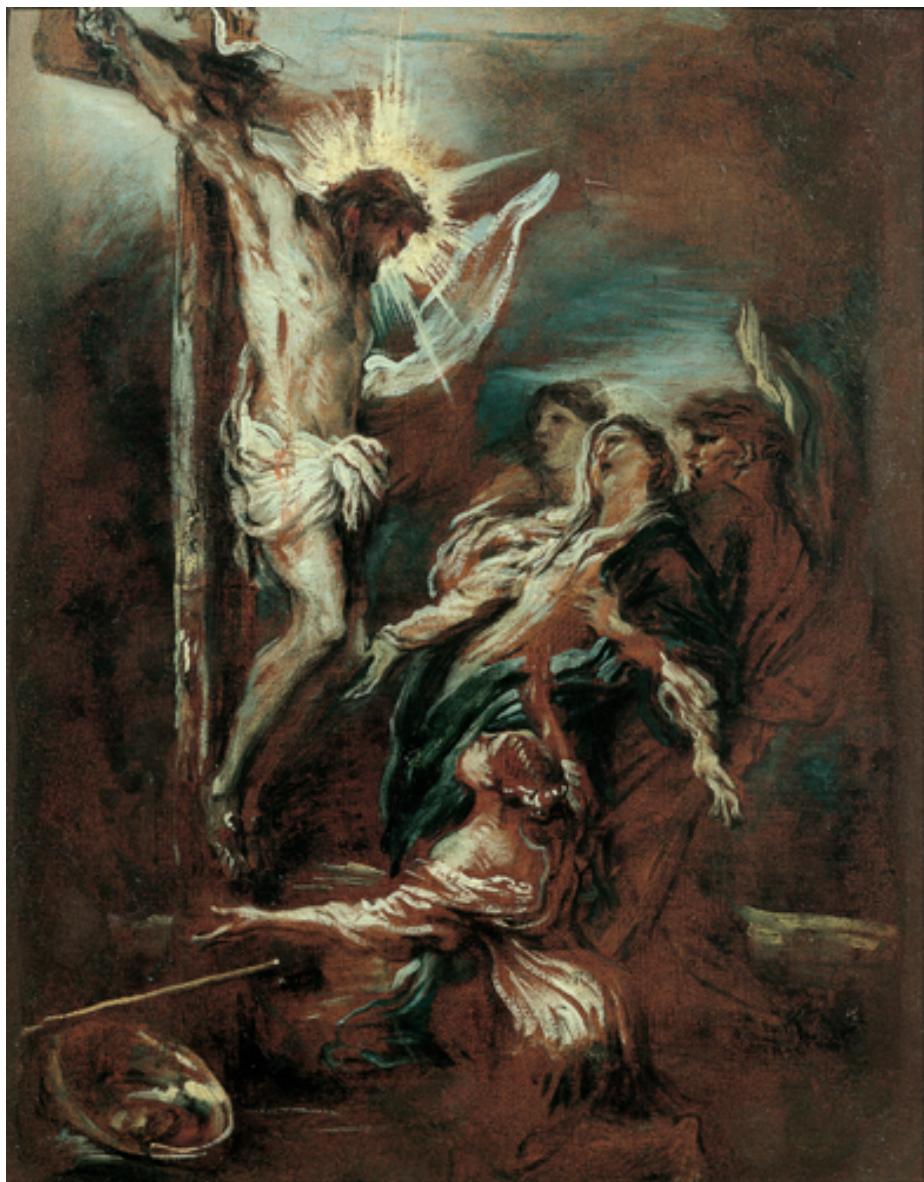
# **Sample Collection Tuku**

From: <https://w.wiki/6cs5>

Wikidata link: <http://www.wikidata.org/entity/Q28803748>

Title: Q28803748

Creator: Giovanni Benedetto Castiglione



Wikidata link: <http://www.wikidata.org/entity/Q28803749>

Title: Q28803749

Creator: Giovanni Benedetto Castiglione



Wikidata link: <http://www.wikidata.org/entity/Q55083952>

Title: Porträt von Gianlorenzo Bernini

Creator: Giovanni Benedetto Castiglione



Wikidata link: <http://www.wikidata.org/entity/Q3842633>

Title: Madonna im Rosengarten

Creator: Bernardino Luini



Wikidata link: <http://www.wikidata.org/entity/Q3945710>

Title: Q3945710

Creator: Bernardino Luini



Wikidata link: <http://www.wikidata.org/entity/Q17652075>

Title: Q17652075

Creator: Bernardino Luini



Wikidata link: <http://www.wikidata.org/entity/Q28004411>

Title: Ham verspottet Noah

Creator: Bernardino Luini

Wikidata link: <http://www.wikidata.org/entity/Q108314527>

Title: Porträt des Zwergs Nano Morgante

Creator: Agnolo Bronzino



Wikidata link: <http://www.wikidata.org/entity/Q110015681>

Title: Johannes der Täufer

Creator: Agnolo Bronzino





# References

- Knuth, Donald E. 1984. “Literate Programming.” *Comput. J.* 27 (2): 97–111.  
<https://doi.org/10.1093/comjnl/27.2.97>.

