

3 A Digital Methods Workflow

Initial dataset

AutoSave 00-andris_grinberga_kolekcija_gatavais.xls - Compatibility Mode

Home Insert Draw Page Layout Formulas Data Review View Automate

Calibri 11

B I U

Wrap Text

General

Conditional Formatting Merge & Centre

Insert Delete Sort & Filter Find & Select

B647 fx= Radišana. 5 gab. Jānis Kreicbergs

	A	B	C	D	E	F	G	H	I	J
1	Kolekcija "Pēteris Ar Griņbergs"	Ar Griņbergs pateikums	Veids	Ģeids	Technika	Izmēri	atcimes uz darbu	atcimes darba otra pusē	fotogrāfs	piezīmes
2		Hippies. 1968.g., Rīgā. Foto: Māra Brašmane (15 gab.), Atis Ievēns (6 gab.). Piezīme: Andris Grinbergs, Ruta Kreica, Andrejs Nalagins, Nēmulis, Ivona Andersone, Mīka, Kristīne, Pils Andersons			1968. kopija	10,7 x 7,3		Andra Grinberga piezīme: 1968, Brašmane	Māra Brašmane	
3	1	Andris Lielājos kapos pie krusta	foto	1968. kopija	10,7 x 7,8		Andra Grinberga piezīme: 1968, Brašmane	Māra Brašmane		
4	2	Andris ar ziediem matos un krēslēm Lielājos kapos	foto	1968. kopija	9,7 x 13,5		Trīsreiz daļēdos periodos rakstīts: 1968; zem apmērītās daļas: M. Brašmane	Māra Brašmane		
5	3	Andris (tumši zilā velvēta žaketā ar guru stāvkapli un slēgtu pogu aizdari) Rīgas Krasnmalā pie Anglikāņu baznīcas	foto	60. gadi	22,8 x 9					
6	4	Andris pie Putnu dārza ar Ritas Kreicas pirmo Rīgā kalpo "Kreiku" "I am free" (kadērtas)	foto	1968. kopija						

Sheet1

Latvian queerness mirrored: Andris Grinbergs versus Andy Warhol

WRITTEN BY LAINE KRISTBERGA



Andris Grinbergs. Wedding of Jesus Christ. 1972. Location: Carnikava, seaside, Latvia. Participants: Andris Grinbergs, Inga Jaurzeme [Grinberga], Māra Brašmane, Mudite Gailevska. Atis Ievēns, Sandis Rīga, Elēns Valpēters, Irīne Birnbaumā, Ivars Šķanstrojs, Andris Bergmanis, Alja Grinberga. Photographer: Māra Brašmane. Archive of LCCA. Courtesy: LCCA

Initial dataset

Excel spreadsheet showing a dataset with 10 columns (A-J) and 854 rows. The first row (B847) contains the following headers:

	A	B	C	D	E	F	G	H	I	J
1	KATEGORIJA: A. Grinbergs	Veids	Veids	Veids	Veids	Veids	Veids	Veids	Veids	Veids
2	Hippies. 1968.g., Rīgā. Foto: Māra Brašmane (15 gab.). Atis Ievinskis (6 gab.). Piedalīši: Andris Grīnbergs, Rūta Kreica, Andrejs Nalagins, Nermūls, Ivona Andersone, Mīka, Kristīne, Pils Andersons									
3	Andris Lielājos kapos pie krusta	foto								
4	Andris ar ziediem matos un kreklēm Lielājos kapos	foto								
5	Andris (tūmā zilā velvēta šakelā ar guru stāvāpākli un slēgtu pogu aizdari) Rīgas Krasnmalā pie Angēlisko baznīcas	foto								
6	Andris pie Putnu dārza ar Rītas Kreicas pirmo Rīgā "kalīto + kreklu" "I am free" (kadērtis)	foto								

Latvian queerness mirrored: Andris Grinbergs versus Andy Warhol

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- + an **excel file**, 854 rows x 10 columns
- + contains **metadata** about photographs of performances by artist Andris Grīnbergs
- + **in cooperation** with dr. Laine Kristberga

Initial dataset

File
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Redo
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Data
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View
Automate

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11
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Format as Table
Cell Styles
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Format
Sort & Filter

Paste
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Background Color
Font Color
Decrease Indent
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Align Center
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Link
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Table of Contents
Table of Figures
Table of Equations
Table of Lists
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- + an **excel file**, 854 rows x 10 columns
- + contains **metadata** about photographs of performances by artist Andris Grīnbergs
- + **in cooperation** with dr. Laine Kristberga

+ RQ: “tell me what could be researched in this data!”

Workflow of Digital “Exploratory Analysis”

Workflow of Digital “Exploratory Analysis”

vibe coding = agentic engineering

Workflow of Digital “Exploratory Analysis”

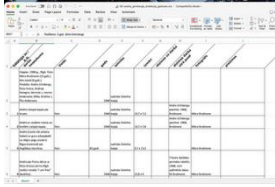
vibe coding = agentic engineering

Prerequisites:

- ✓ humanities domain expertise
- ✓ some knowledge of programming

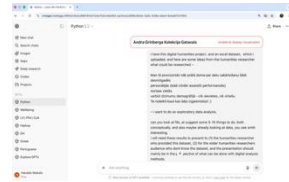
Full set of digital tools used

0 Dataset



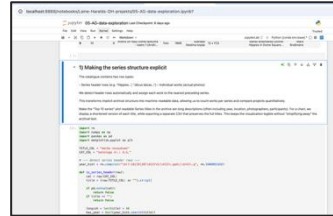
id	name	description	status	location	date	time	value	unit	category
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10	...	...	...	...	...	...	...	...	...

1 chatGPT



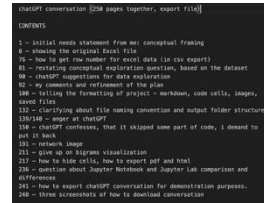
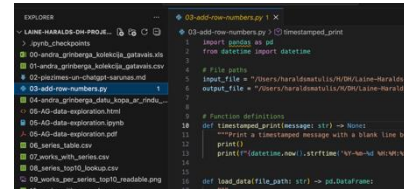
2 Jupyter notebook

for coding and visualization



3 Visual Studio Code

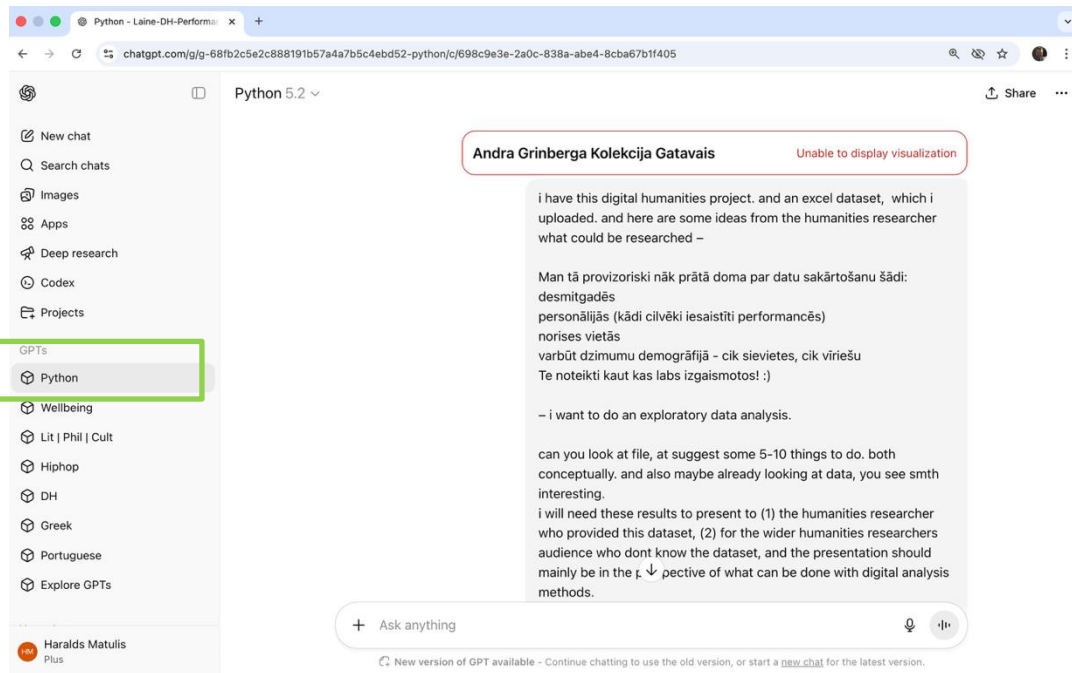
as file manager



layers:

- 1 – DH, conceptual, strategy
- 2 – data transformation
- 3 – rules for formatting & coding
- 4 – checking ChatGPT mistakes
- 5 – digital literacy skills

ChatGPT as a coding assistant



+ **free** version ok
+ with paid (~20\$/month)
I can paste screenshots
and use customGPT for
Python – **faster** workflow
+ **Claude, Gemini** –
equally good for code

Overview of full conversation with the coding assistant

chatGPT conversation [(250 pages together, export file)]

CONTENTS

1 – initial needs statement from me: conceptual framing
8 – showing the original Excel file
76 – how to get row number for excel data (in csv export)
81 – restating conceptual exploration question, based on the dataset
90 – chatGPT suggestions for data exploration
92 – my comments and refinement of the plan
100 – telling the formatting of project – markdown, code cells, images, saved files
132 – clarifying about file naming convention and output folder structure
139/140 – anger at chatGPT
150 – chatGPT confesses, that it skipped some part of code, i demand to put it back
191 – network image
211 – give up on bigrams visualization
217 – how to hide cells, how to export pdf and html
236 – question about Jupyter Notebook and Jupyter Lab comparison and differences
241 – how to export chatGPT conversation for demonstration purposes.
248 – three screenshots of how to download conversation

layers:

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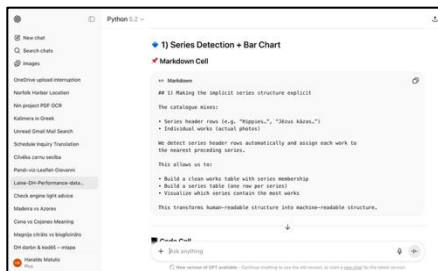
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- 5 – digital literacy skills

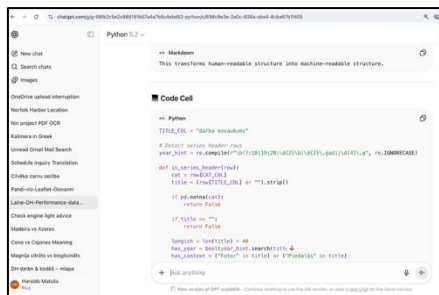
Copy-paste “markdown + code” into Jupyter notebook

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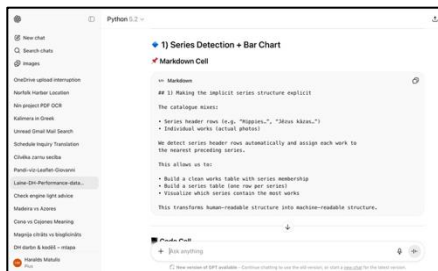


Markdown cell – copied from chatGPT

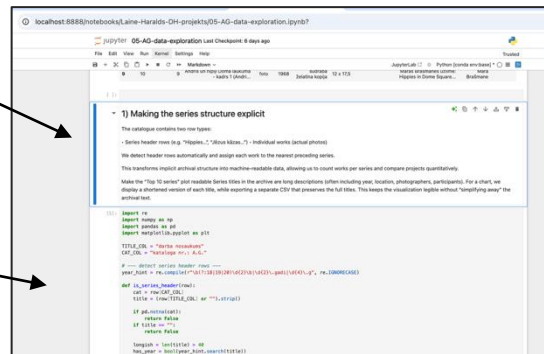
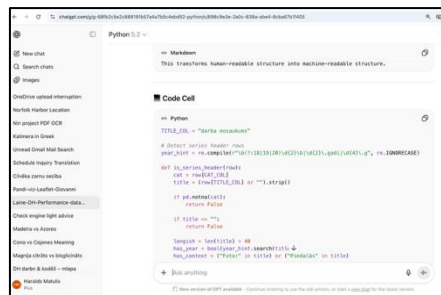
Code cell – copied from chatGPT



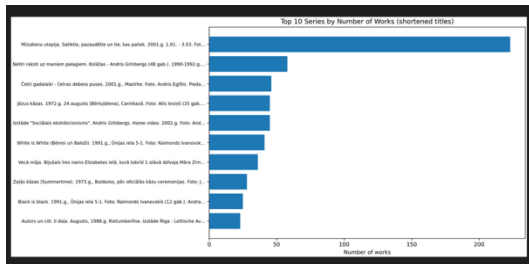
Copy-paste “markdown + code” into Jupyter notebook



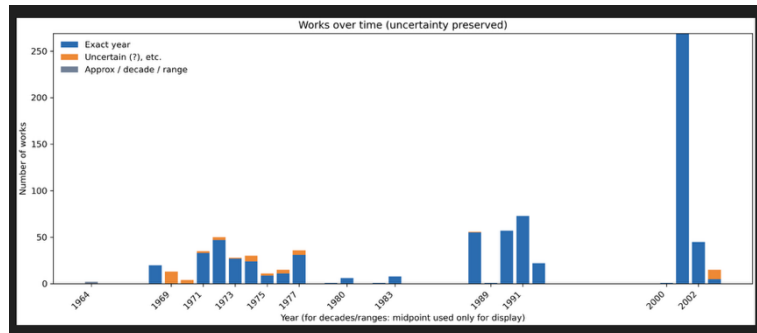
And that's how it looks pasted and executed in Jupyter Notebook



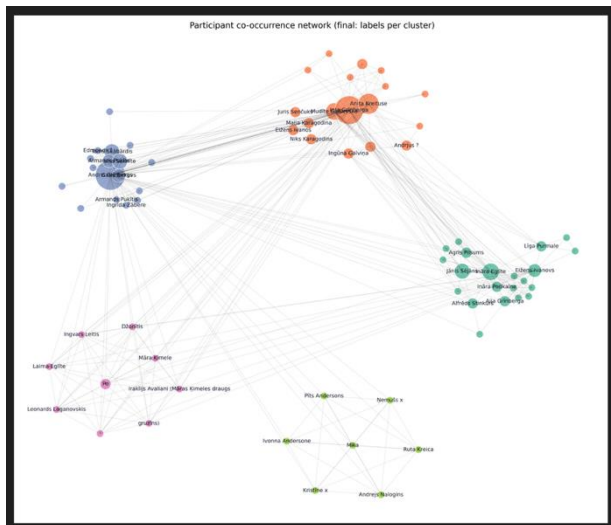
4 visualizations = result of exploratory analysis



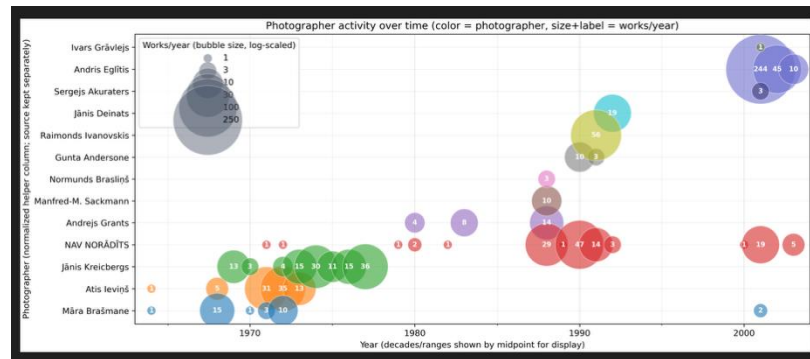
Grouped Topics



Years of Photographs

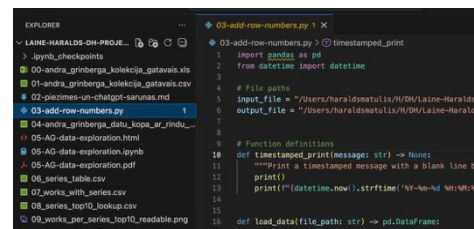
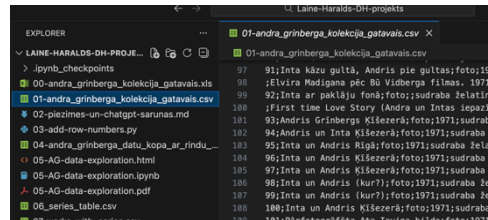
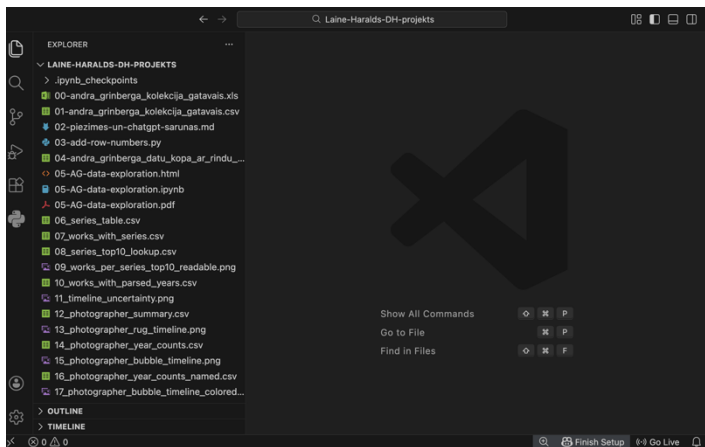


Networks of Persons

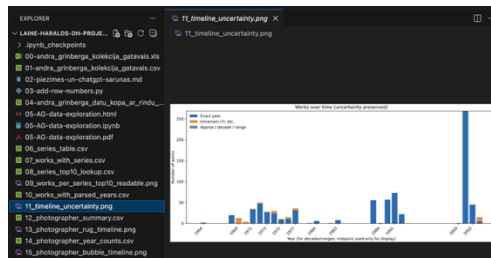


Photographers over Years

Why Visual Studio Code? – to view files



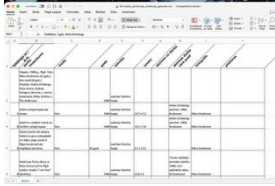
Visual Studio Code – “text editor” | “IDE” (integrated development environment) – all created project files on the left, place to view files on the right



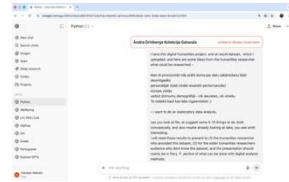
You can open and view many (all?) file formats – csv, txt, python, png

Full set of digital tools used

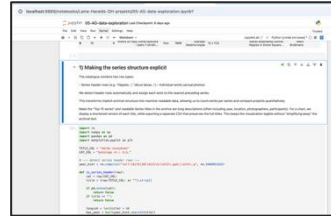
0 Dataset



1 chatGPT



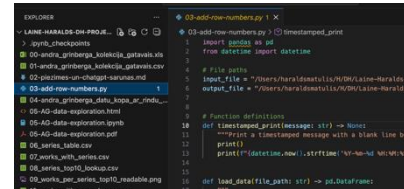
2 Jupyter notebook for coding and visualization



layers:

- 1 – DH, conceptual, strategy
- 2 – data transformation
- 3 – rules for formatting & coding
- 4 – checking ChatGPT mistakes
- 5 – digital literacy skills

3 Visual Studio Code as file manager



2b Google Colab easier setup

3b Cursor for larger projects with integration of many files = powerful in-built AI coding agent

Delicate relations of H / DH / AI:

