DigiDuRe

Digital Dutch Religion Portal 1500-2000 project

netherlands eScience center

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AIM OF THE PROJECT

Digital Dutch Religion Portal 1500-2000 project

The project aims to map **long-term developments in Dutch public discourse**, in particular in **religion.** An **analysis of book titles** and connected meta-data with multiple other data sources should deliver a **bottom-up reconstruction of trends and changes in thematization.**

Theodorus van der Groe (1705 -1784)
https://uitgeverijdenhertog.nl/volwassen/auteur/101/Groe-Theodorus-van-der/

DigiDuRe project – (OpenSSI 2022a)

Groe, van der; Theodorus [z.v. Ludovicus]
Geb. Zwammerdam 3 sept. 1705; pred. Rijnsaterwoude 19 maart 1730, Kralingen 10 juli 1740, overl. 24 juni 1784.<3691>

DigiDuRe

1. Data Harmonization
   - Development Datamodel
   - Processing semi- structured data
   - Extracting individuals based on roles
2. Linking Data
   - Linking with external sources
   - Book title information
   - Biography portal
3. Data Analysis
   - Examples of analysis scripts
   - Desriptive statistics
4. Dissemination
   - Knowledge sharing (training history scholars)
   - Publishing data

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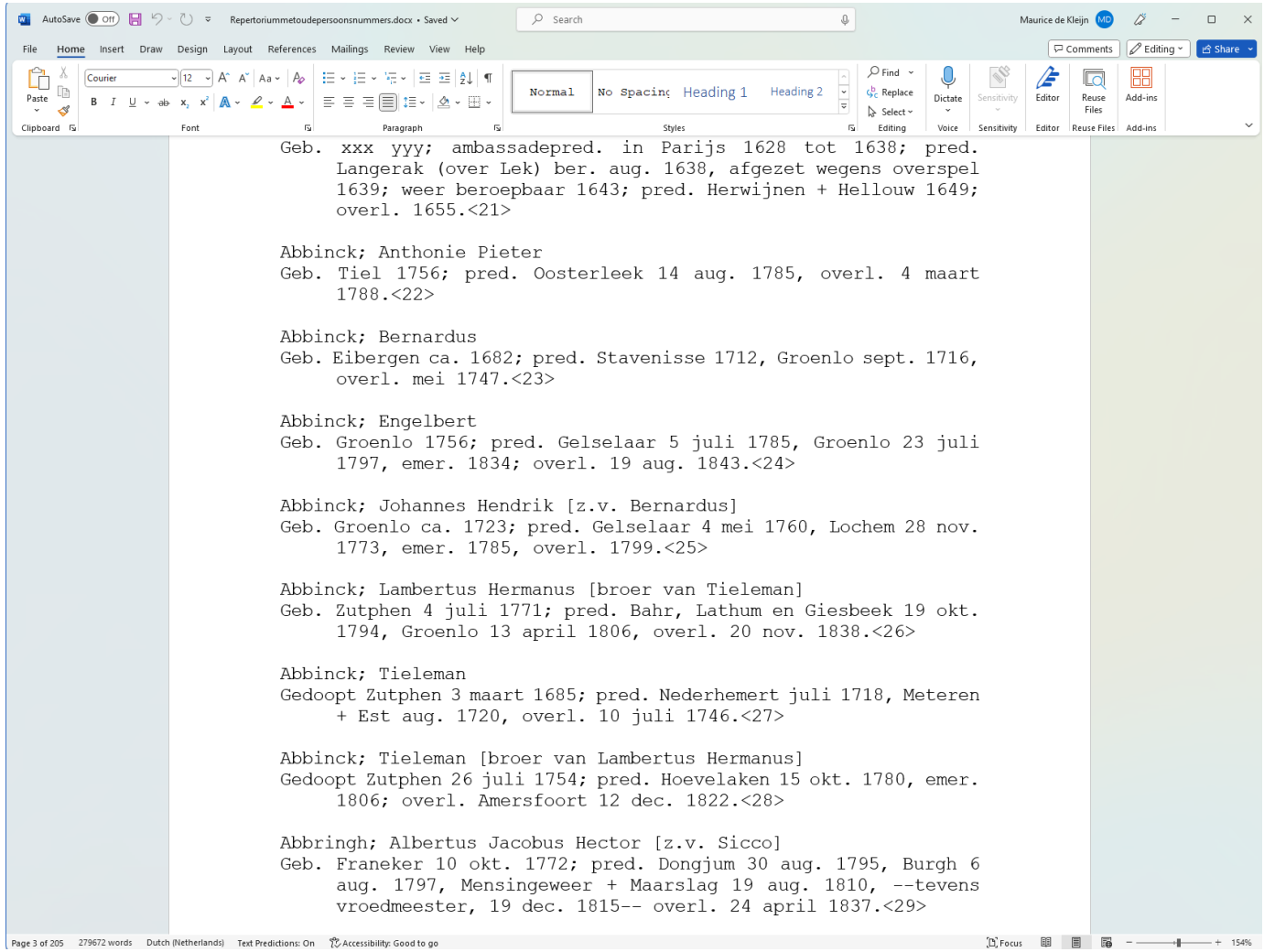
1. Data Harmonization

Dutch Reformed Clergy (DRC) dataset 1555-1816

~12.500 individuals in a semi-structured text document



Geb. xxx yyy; ambassadepred. in Parijs 1628 tot 1638; pred. Langerak (over Lek) ber. aug. 1638, afgezet wegens overspel 1639; weer beroepbaar 1643; pred. Herwijnen + Hellouw 1649; overl. 1655.<21>

Abbinck; Anthonie Pieter
Geb. Tiel 1756; pred. Oosterleek 14 aug. 1785, overl. 4 maart 1788.<22>

Abbinck; Bernardus
Geb. Eibergen ca. 1682; pred. Stavenisse 1712, Groenlo sept. 1716, overl. mei 1747.<23>

Abbinck; Engelbert
Geb. Groenlo 1756; pred. Gelselaar 5 juli 1785, Groenlo 23 juli 1797, emer. 1834; overl. 19 aug. 1843.<24>

Abbinck; Johannes Hendrik [z.v. Bernardus]
Geb. Groenlo ca. 1723; pred. Gelselaar 4 mei 1760, Lochem 28 nov. 1773, emer. 1785, overl. 1799.<25>

Abbinck; Lambertus Hermanus [broer van Tieleman]
Geb. Zutphen 4 juli 1771; pred. Bahr, Lathum en Giesbeek 19 okt. 1794, Groenlo 13 april 1806, overl. 20 nov. 1838.<26>

Abbinck; Tieleman
Gedoopt Zutphen 3 maart 1685; pred. Nederhemert juli 1718, Meteren + Est aug. 1720, overl. 10 juli 1746.<27>

Abbinck; Tieleman [broer van Lambertus Hermanus]
Gedoopt Zutphen 26 juli 1754; pred. Hoevelaken 15 okt. 1780, emer. 1806; overl. Amersfoort 12 dec. 1822.<28>

Abbringh; Albertus Jacobus Hector [z.v. Sicco]
Geb. Franeker 10 okt. 1772; pred. Dongjum 30 aug. 1795, Burgh 6 aug. 1797, Mensingeweer + Maarslag 19 aug. 1810, --tevens vroedmeester, 19 dec. 1815-- overl. 24 april 1837.<29>

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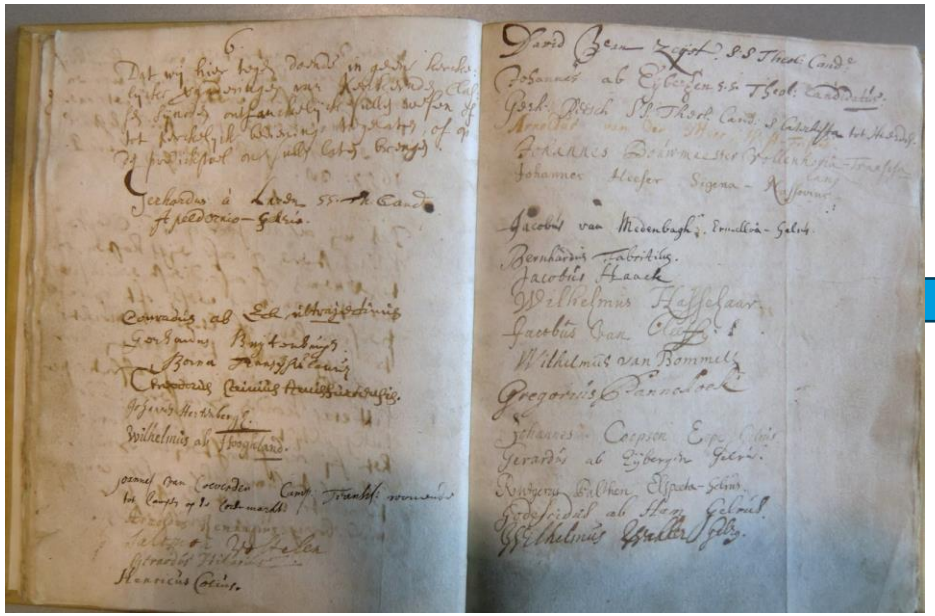
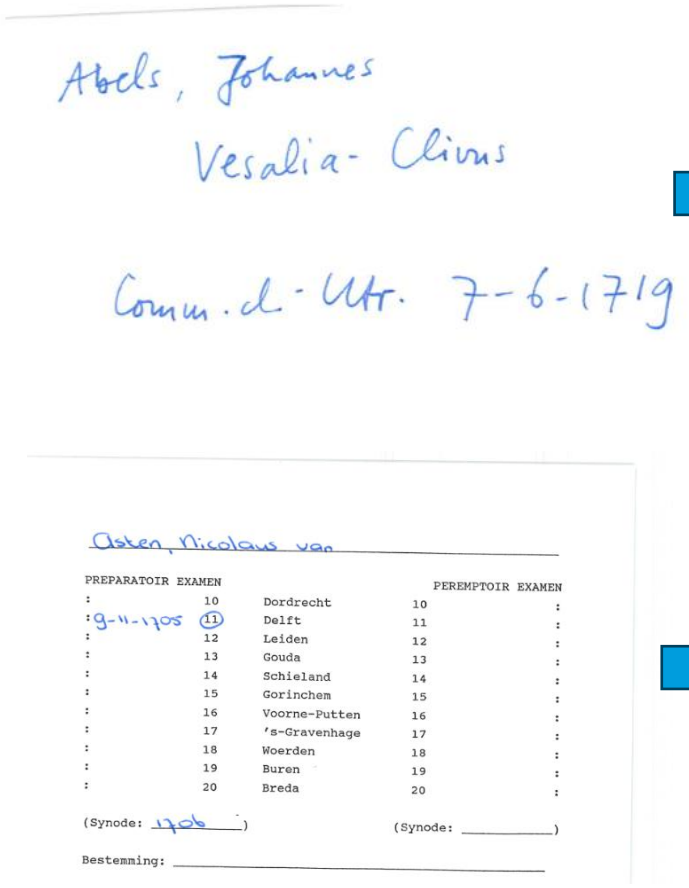
1. Data Harmonization

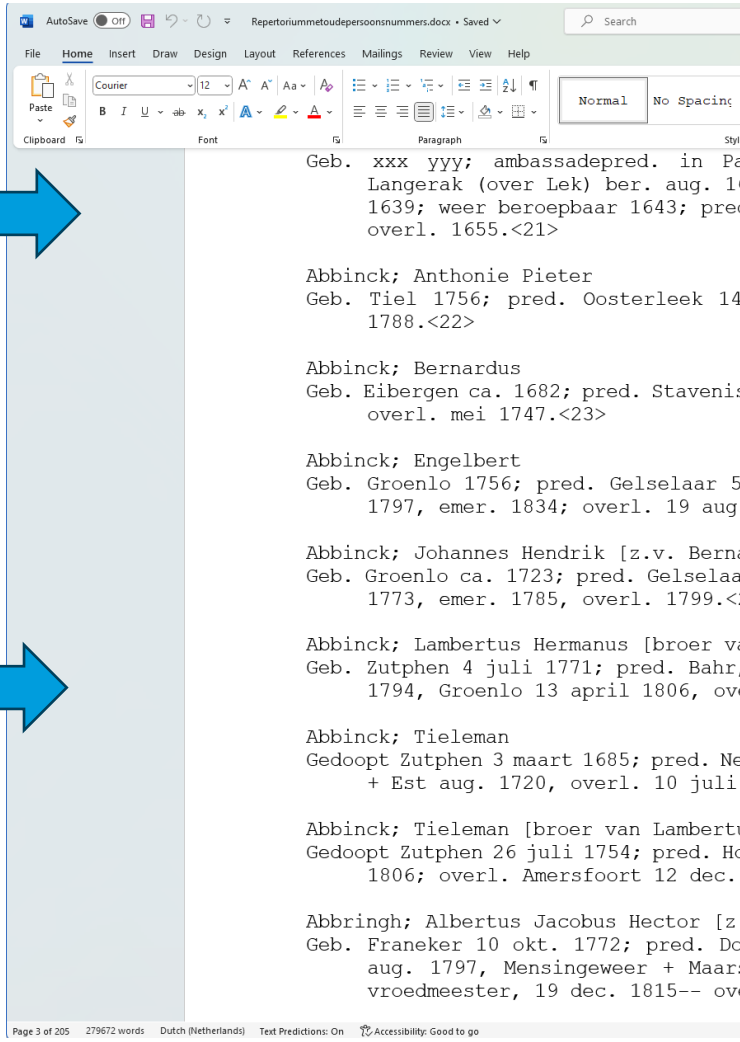
Original source



Index cards ~1990



Text files



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1. Data Harmonization

Dutch Reformed Clergy (DRC) dataset 1555-1816

Aalst; Wilhelmus

Gedoopt Biggekerke 5 jan. 1664; pred. Aardenburg 22 mei 1695, overl. 19 dec. 1700.<4>

Aalst, van; Cornelius

Geb. Castricum ca. 1686; ambassadepred. in Parijs maart tot dec. 1715; pred. Kalslagen ber. 21 febr. 1717, emer. 1751; overl. Amsterdam 27 aug. 1756.<2>

Aalst, van; Gerardus

Geb. xxx sept. 1678; pred. Vuren en Dalem 10 aug. 1704, Sommelsdijk 13 juni 1706, West-Zaandam 4 aug. 1715, emer. 1755; overl. 29 juni 1759.<3>

“Semi structured data”

In order to analyse the dataset we need to isolate different fields. We need to be able to query the dataset based on different characteristics.

e.g. year of birth, role, place of birth etc.

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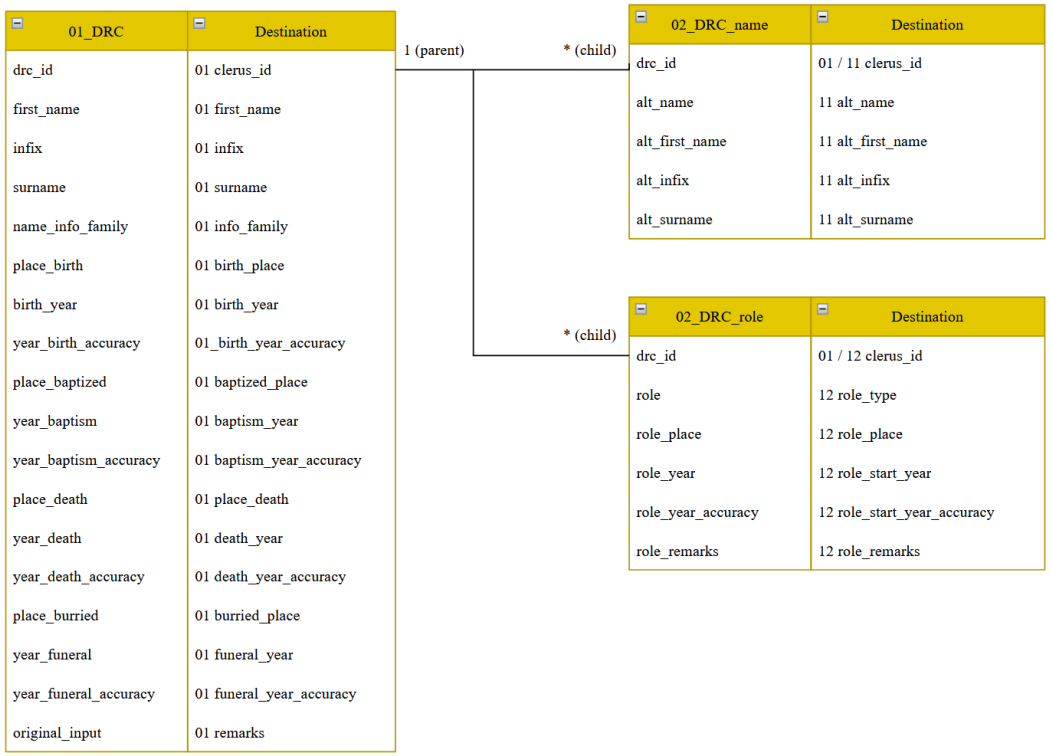
1. Data Harmonization

A database schema is developed to which the data can be mapped.

Database Dutch Reformed Clergy (DRC) 1555-1816



After the data processing the dataset underwent a curation by 4 history experts.

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Dutch Ministers (DM) dataset 1555-2005

1. Data Harmonization

pid	ind_id	provincie	classis	gemeente	wijk	predikant	Herkomst	dag intrede	maand intre	jaar intrede	vertrek naar	dag vertrek	maand vertr	jaar vertrek	Bijzonderheden
653		GE		Aalten		Klinkenberg; C.A.	Leidschendam			1859	Dwingelo			1879	was hulppr. per 1861
18215		NH		Heemskerk	2	Benjamins; dr. H.S.	Benningen	4	februari.	2007					voorheen Gereformeerd predikant
131		UT		Houten		Jong; C. de	Waddinxveen	13	mei	2007					voorheen Gereformeerd
15603		ZH		's-Gravenhage	b.w.g. diacones	Sickesz; J.C.	Vlissingen	6	juli	1952	emeritaat	1	mei	1954	verrichtte tot 1957 hulpdiensten
7733		LI		Hoensbroek c.a.		Menken-Bekius; mevrouw C.J.				1986				1988	verleende bijstand in het pastoraat
35930		OV		Overdinkel		Pasma; H.F.	kandidaat -hul	28	juli	1907	Paesens	22	juni	1919	vanaf 1910 predikant
38795		ZH		Rotterdam-Hillegersberg		Hudig;mevrouw W. Semeyns de Vries van Dc		23	maart	1980					Parttime. Tevens parttime te R'dam H
49184		GE		Wichmond		Bochanen;C.	kandidaat	9	oktober	1983	Riermond	19	april	1992	parttime
37271		GE		Ravenwaay		Broek;Prof.dr. R. van den	(Bijz hoogl R U	9	september	1990					Parttime
44779		UT		Utrecht	X West	Gemerden; mevrouw E. van	Hellendoorn	9	mei	1993	eervol ontheve	13	april	1997	parttime
37317		ZH		Reeuwijk	2	Moehn;W.H.R.	kandidaat	9	september	1990	Aalburg	22	oktober	1995	Parttime
31392		FR		Noordbergum		Posthuma;D.G.	Opperdoes-Aa	9	december	1990					parttime
27489		FR		Marssum		Vogel;J.A.	kandidaat	9	juni	1985	overleden	15	maart	1988	parttime
24572		NH		Landsmeer		Doelman;J.	kandidaat	8	september	1985	Nijmegen	29	maart	1992	parttime
35328		LI		Oude Mijnstreek (Wanbach)		Foppen; R.W.M.	kandidaat	8	april	1990					parttime
37607		GE		Rheden	2	Heijnis;mevrouw K.M.	Nunspeet (d g)	8	mei	1988	St.Maartenskli	23	januari	1994	Parttime
26360		FR		Longerhouw		Lankhuijzen;mevrouw G.W.G.	kandidaat	8	mei	1989	ontheff.ambt	23	september	1991	Parttime
44843		UT		Utrecht	b.w.g. pastora	Methorst; mevrouw D.	kandidaat	8	april	1984	eervol ontheve	1	november	2000	parttime
36961		NH		Purmerland		Notermans;G.H.H.	kandidaat	8	juli	1990	emeritaat	1	mei	1993	parttime
186		GE		Ugchelen		Boggelen; mevrouw H.E. van	kandidaat	7	september	2008					parttime
49785		ZH		Willige-Langerak		Dounenberg;C.D.	kandidaat	7	december	1980	Benschop	14	april	1985	parttime
27187		LI		Maastricht	studentenpast	Drost;H.J.J.	Oude Mijnstree	7	juli	1991					Parttime
26359		FR		Longerhouw		Jellema;R.H.J.	kandidaat	7	mei	1989	Goes	25	juli	1993	Parttime
35668		ZH		Oudewater	De Biezen	Walton; M.N.	kandidaat	7	december	1986	onth.ambt	1	november	1991	parttime
24177		ZH		Krimpen aan de IJssel	b.w.g. II Langel	Beens;A.	Huizen	6	oktober	1985	Lunteren	25	oktober	1987	Parttime
39247		DR		Ruinen		Bij;Tj. van der	T...pred E 277 t	6	januari	1980		1	december	1981	Parttime
31678		GR		Noordlaren		Bons;P.	B.g.w. Zending	6	maart	1983	Zeerijp c.a.	4	juni	1989	parttime
44802		UT		Utrecht	XI Noord Oost	Broeijer-Bogers; mevrouw J.H.M.E.	kandidaat cc U	6	oktober	1991					Parttime
199		UT		Utrecht	II Midden Oost	Broeyer-Bogers; mevrouw J.H.M.E.	kandidaat-vica	6	oktober	1991					parttime
38898		ZH		Rotterdam-Zuid	Vroeswijk Kruisv	Heer;L. de	Gemert	6	september	1987	Delft (stud pas	27	augustus	1989	Parttime

One row for every role

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1. Data Harmonization

...	gemeente (community/ parish)	predikant (name of minster)	...	jaar intrede (start year)	...	jaar vertrek (end year)	...	...
...	Hedikhuizen	Rosiere (Rosarius); Josephus van de	...	1611	...	1617	...	...
...	Woerden	Rosiere (Rosarius); Josephus van de	...	1617	...	1619	...	...
...	Haarlem	Rosiere (Rosarius); Josephus van de	...	1619	...	1649	...	...

Individuals can be extracted by connecting year start with year end

...	gemeente (community/ parish)	predikant (name of minster)	...	jaar intrede (start year)	...	jaar vertrek (end year)	...	...	pred_year_start	pred_year_end
...	Hedikhuizen	Rosiere (Rosarius); Josephus van de	...	1611	...	1617	...	...	Rosiere(Rosarius);Josephusvande_1611	Rosiere(Rosarius);Josephusvande_1617
...	Woerden	Rosiere (Rosarius); Josephus van de	...	1617	...	1619	...	...	Rosiere(Rosarius);Josephusvande_1617	Rosiere(Rosarius);Josephusvande_1619
...	Haarlem	Rosiere (Rosarius); Josephus van de	...	1619	...	1649	...	...	Rosiere(Rosarius);Josephusvande_1619	Rosiere(Rosarius);Josephusvande_1649

Dutch Ministers (DM) 1572-2004

DM	Destination
DM_id	12 role_source_id
provincie	12 role_province
classis	12 role_classi
gemeente	12 role_place
wijk	12 role_parish
predikant	01 first_name / 01 infix / 01 surname / 01 info family / 11 alt_name/ 01_sex
Herkomst	discard (used to extract individuals by combining it with gemeente and "vertrek
dag intrede	12 role_place
maand intrede	parsed to 12 role_start_year_accuracy
jaar intrede	parsed to 12 role_start_year_accuracy
vertrek naar of vanwege	12 role_start_year
dag vertrek	12 role_remarks
maand vertrek	parsed to 12 role_end_year_accuracy
jaar vertrek	parsed to 12 role_end_year_accuracy
Bijzonderheden	12 role_remarks

CLERUS_v1

Database Dutch Reformed Clergy (DRC) 1555-1816

01_DRC	Destination
drc_id	01 clerus_id
first_name	01 first_name
infix	01 infix
surname	01 surname
name_info_family	01 info_family
place_birth	01 birth_place
birth_year	01 birth_year
year_birth_accuracy	01_birth_year_accuracy
place_baptized	01 baptized_place
year_baptism	01 baptism_year
year_baptism_accuracy	01 baptism_year_accuracy
place_death	01 place_death
year_death	01 death_year
year_death_accuracy	01 death_year_accuracy
place_burried	01 burried_place
year_funeral	01 funeral_year
year_funeral_accuracy	01 funeral_year_accuracy
original_input	01 remarks

1 (parent) — * (child)

02_DRC_name	Destination
drc_id	01 / 11 clerus_id
alt_name	11 alt_name
alt_first_name	11 alt_first_name
alt_infix	11 alt_infix
alt_surname	11 alt_surname

* (child)

02_DRC_role	Destination
drc_id	01 / 12 clerus_id
role	12 role_type
role_place	12 role_place
role_year	12 role_start_year
role_year_accuracy	12 role_start_year_accuracy
role_remarks	12 role_remarks

Dutch Ministers (DM)
1572-2004

DM	Destination
DM_id	12 role_source_id
provincie	12 role_province
classis	12 role_classi
gemeente	12 role_place
wijk	12 role_parish
predikant	01 first_name / 01 infix / 01 surname / 01 info family / 11 alt name/ 01 sex
Herkomst	discard (used to extract individuals by combining it with gemeente and "vertrek
dag intrede	12 role_place
maand intrede	parsed to 12 role_start_year_accuracy
jaar intrede	parsed to 12 role_start_year_accuracy
vertrek naar of vanwege	12 role_start_year
dag vertrek	12 role_remarks
maand vertrek	parsed to 12 role_end_year_accuracy
jaar vertrek	parsed to 12 role_end_year_accuracy
Bijzonderheden	12 role_remarks

*Roles from DRC were checked with DM. This led to **CLERUS_v1** which covers the time period **1555-1816***

CLERUS_v2

Dutch Ministers (DM)
1572-2004

DM	Destination
DM_id	12 role_source_id
provincie	12 role_province
classis	12 role_classi
gemeente	12 role_place
wijk	12 role_parish
predikant	01 first_name / 01 infix / 01 surname / 01 info family / 11 alt_name/ 01_sex discard (used to extract individuals by combining it with gemeente and "vertrek
Herkomst	
dag intrede	12 role_place
maand intrede	parsed to 12 role_start_year_accuracy
jaar intrede	parsed to 12 role_start_year_accuracy
vertrek naar of vanwege	12 role_start_year
dag vertrek	12 role_remarks
maand vertrek	parsed to 12 role_end_year_accuracy
jaar vertrek	parsed to 12 role_end_year_accuracy
Bijzonderheden	12 role_remarks

*Individuals from DM that are **not present** in DRC (thus 1816 – 2004).*

- Individuals have been isolated through the network approach of names, start year and end year.
- **Challenges:**
  - Different spellings (and typos)
  - Different initials
  - Missing roles
  - Gaps in Carreers

  - Requires a curation…

CLERUS_v2

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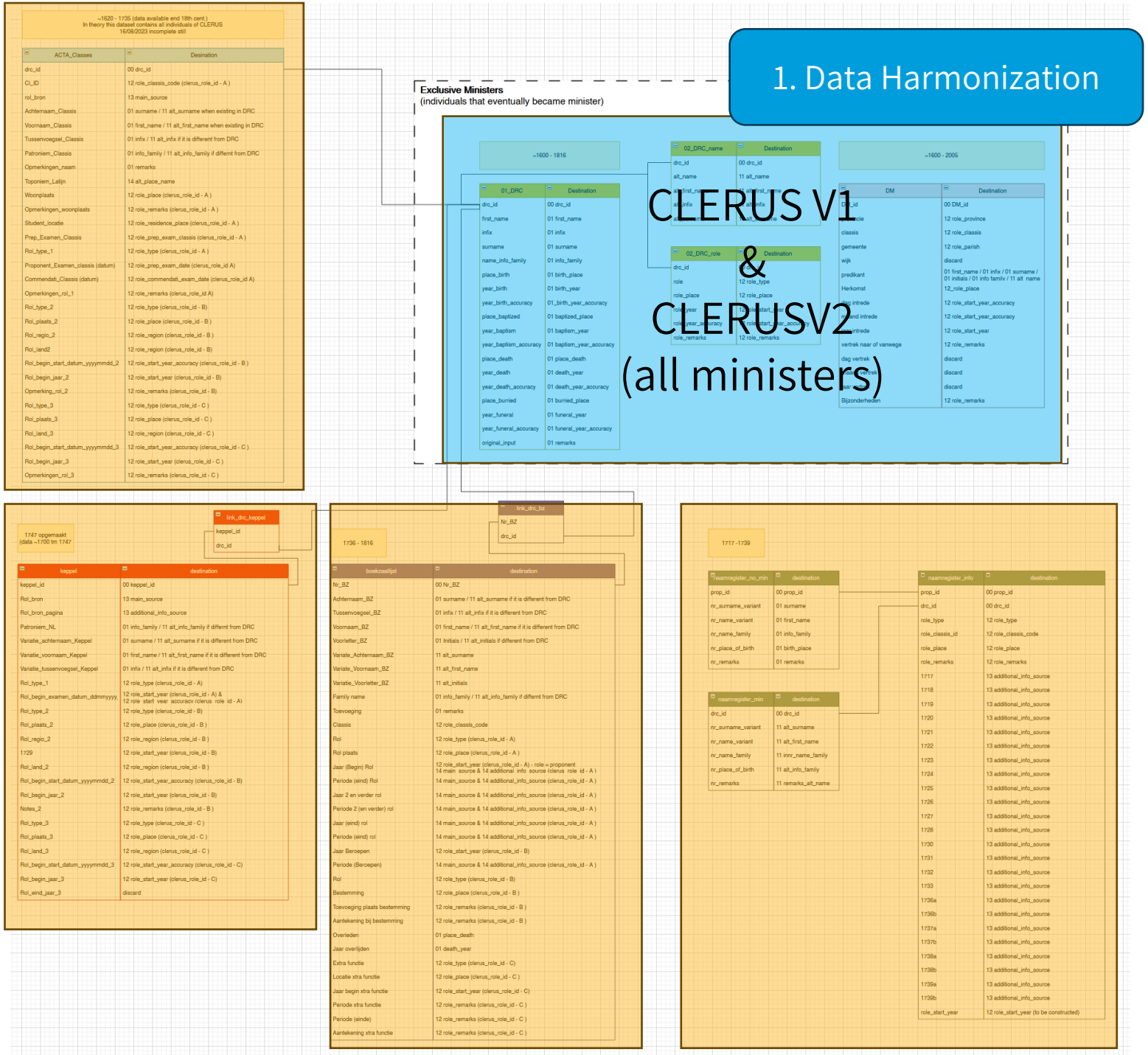
1. Data Harmonization

Various historical sources contain information about exams the gave people the right to act as protestant minister.

Datamodel developed

When transcription is done this will lead to CLERUS+

CLERUS+



Methods to join the various datasets

e.g. Firstletter+Surname+birthyear
More advanced algorithms (e.g. Levensthein)

The is done for linking and curations processes

		Kolonien	39			Addens		Johannes		47	1786	B					1787	A	Predik	Oost-Indie					
			40	96		Adriani		Menso Johannes	M.J.	50	1759	AB	1760 1761 1762		A		1762	B	Predik	Feerwert					Petr. Fr.
			41	94		Adriani		Arius		44	1781	A					1781	B	Predik	Oterdum					
			42	95		Adriani			J.	39	1794	B					1795	A	Predik	Aengwirden			M.		
		ıogelijk 98	43		43	Adriani		Petrus		31	1755	AB	1756 1757 1758		AB										
		ıogelijk 98	44		43	Adriani		Petrus		44	1754	B													
			45	99		Adrichem	van	Georgius		17	1743	A					1743	B	Predik	St. Maarten					
			46	110		Aemilius		Jan Anthony									1750	B	Predik	Poederojen					

Nr	drc_id	original_input	role_place	lev_drc_link	lev_boekzaallin	lev_ratio	stra
46	110	Aemilius Jan Antonius [z.v. Gerardus] Gedoopt Barendrecht 25 jan. 1727 pred. Poederoyen 21 juni 1750, emer. nov. 1	Poederoyen	J_Aemilius_1750	J_Aemilius_1750		1
46	110	Aemilius Jan Antonius [z.v. Gerardus] Gedoopt Barendrecht 25 jan. 1727 pred. Poederoyen 21 juni 1750, emer. nov. 1	Poederoyen	J_Aemilius_1750	J_Aemilius_1750	1.0	5
46	109	Aemilius Henricus [z.v. Robertus] Geb. Leiden 1703 pred. Haringhuizen 22 april 1731, Moordrecht 7 juli 1737, emer. 17	Haringhuizen	H_Aemilius_1731	J_Aemilius_1750	0.8	5
46	108	Aemilius (van Amerongen) Gerardus [z.v. Egbertus Aemilius] Geb. Barendrecht 21 aug. 1695 pred. Barendrecht en Ka	Barendrecht en Ka	G_Aemilius_1721	J_Aemilius_1750	0.8	5
46	110	Aemilius Jan Antonius [z.v. Gerardus] Gedoopt Barendrecht 25 jan. 1727 pred. Poederoyen 21 juni 1750, emer. nov. 1	Poederoyen	J_Aemilius_1750	J_Aemilius_1750		3
46							

			47	110		Aemilius		Jan Anthony		10	1749	AB	1750		AB										Ger. Fil.
			48	110		Aemilius		Jan Anthony		2	1750	B													Gerh. Fil.
		113?	49			Aeneae		Eduardus		34	1750	AB	1751		A										
		Waals?	50			Agassiz		Philippe Louis									1766	A	Predik	Gorinchem					
			51	420		Aijelts		Carel		23	1784	B					1785	A	Predik	Hem					
		Dld	52			Aissonius		Aiso Remitius									1792	A	Predik	Olderzum					
			53	130		Aitton			R.O.	17	1811	A					1811	B	Predik	Zuilichem en Nieuwwaal					

Work in progress

BIOGRAFISCH portaal van nederland

80.626 personen
in 147.999 biografieën

Dit is de site van het Biografisch Portaal van Nederland. Hier vindt u wetenschappelijk verantwoorde informatie over kopstukken en andere opzienbarende figuren uit de Nederlandse geschiedenis, van het vroegste verleden tot nu. De website wordt steeds aangevuld met informatie en beeldmateriaal.

Nieuws

- Nieuw blog: We vergeten Schotel
- Nieuw blog: Van oude tijdschriften, de dingen die soms niet voorbij gaan
- 1001 Vrouwen in de 20e eeuw
- Persoonlijkheden in het Koninkrijk der Nederlanden in woord en beeld
- Portretten Rijksmuseum
- De gegevens van het portaal zijn te raadplegen via de BioPort API
- Ruim 145.000 biografieën!

Zoeken ▸ geavanceerde zoekopties

Bladeren a b c d e f g h i j k l m n o p q r s t u v w x y z

Het Biografisch Portaal is een samenwerkingsverband van diverse cultuurwetenschappelijke instellingen (zie onder project). De site wordt gehost door het Huygens Instituut voor Nederlandse geschiedenis.

Op 12 september geboren

Althoff, Adrianus Aloijsius Felix (1904-1943)

Boreel van Oldenaller, Jhr. Victor Eduard Anthon (1871-1957)

Breitner, George Hendrik (1857-1923)

meer

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Linking Data

DRC *(12558 individuals)*

Name (first letter) + infix(if there is any) + Surname + Year_birth

Dataset Biografisch portaal *(82616)*

Name (first letter) + infix(if there is any) + Surname + Year_birth

1199 matches

"Influencers"

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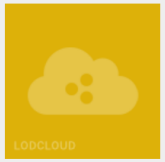
KB nationale bibliotheek

Linking Data

Short-Title Catalogue Netherlands (STCN)

http://data.bibliotheken.nl/id/dataset/stcn



schema:**description**	Expert descriptions of books printed in the Netherlands between 1473 and 1801 in more than 210.000 editions in 550.000 copies. Contains descriptions of books in the collections of many libraries in the Netherlands and various libraries abroad. All books are described book in hand. Descriptions contain information about authors, titles, imprints, size, collation formula, subject keywords and typographical features. Every edition is distinguished by the STCN fingerprint. Newspapers and ambassadors' letters are excluded. @en
schema:**dateCreated**	2019-03-26
schema:**name**	EN NL Short-Title Catalogue Netherlands (STCN)
schema:**dateModified**	2022-04-29
schema:**datePublished**	2019-03-26
rdf:**type**	schema:Dataset
schema:**publisher**	<http://data.bibliotheken.nl/id/thes/p075301482> ↳ Koninklijke Bibliotheek (Den Haag)
schema:**license**	<http://creativecommons.org/publicdomain/zero/1.0/>
schema:**creator**	<http://data.bibliotheken.nl/id/thes/p075301482> ↳ Koninklijke Bibliotheek (Den Haag)
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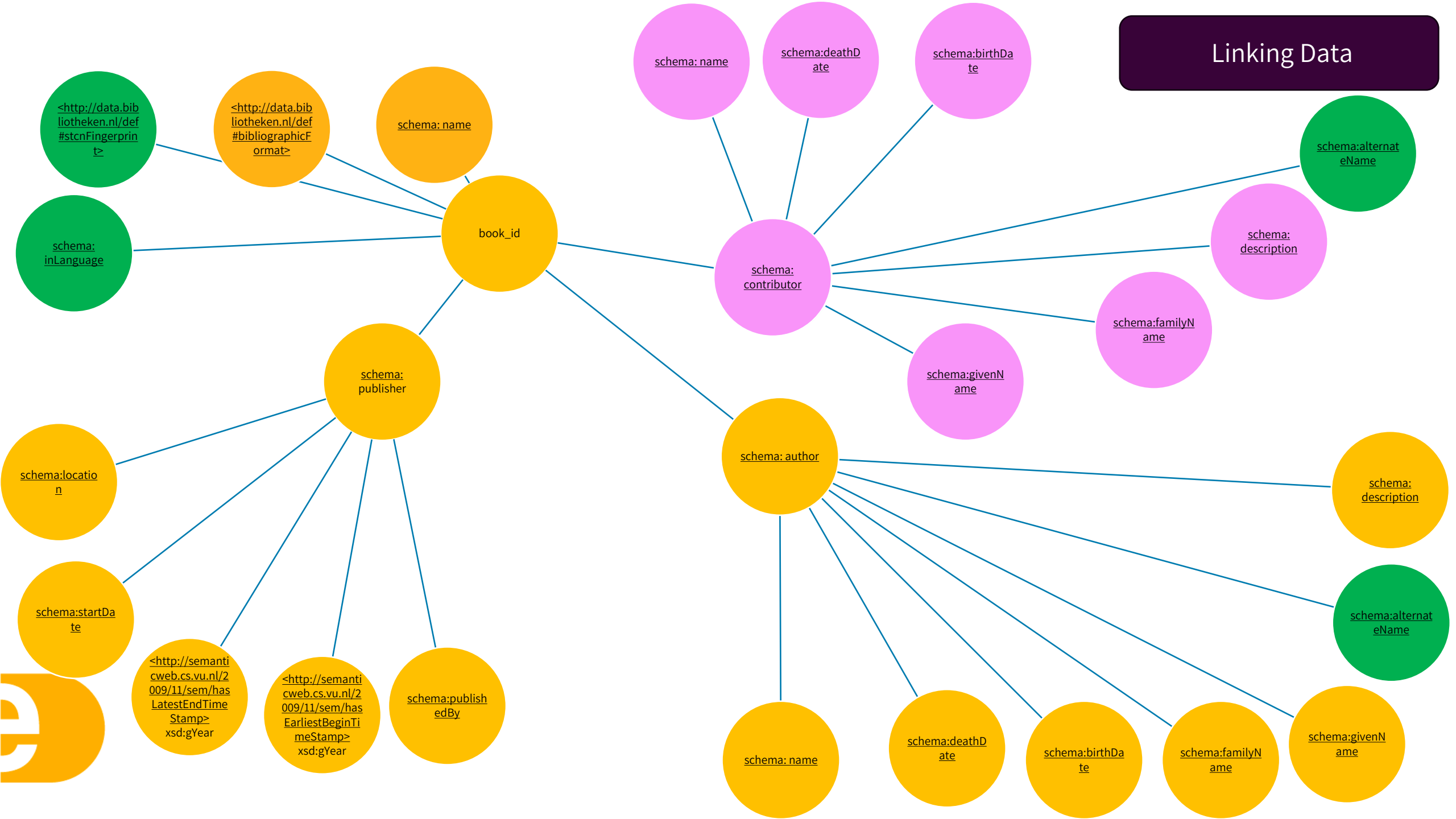
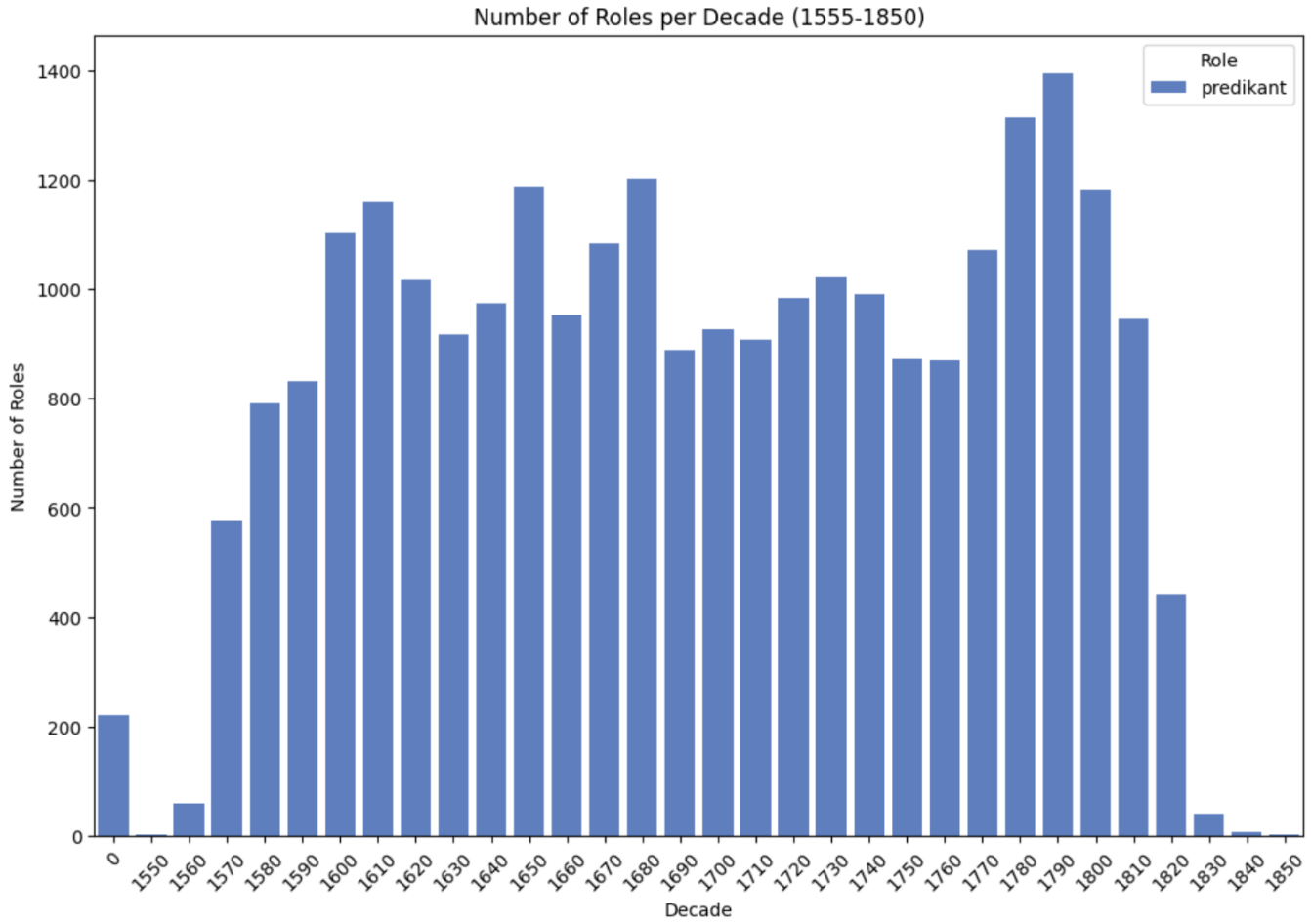
Linking Data

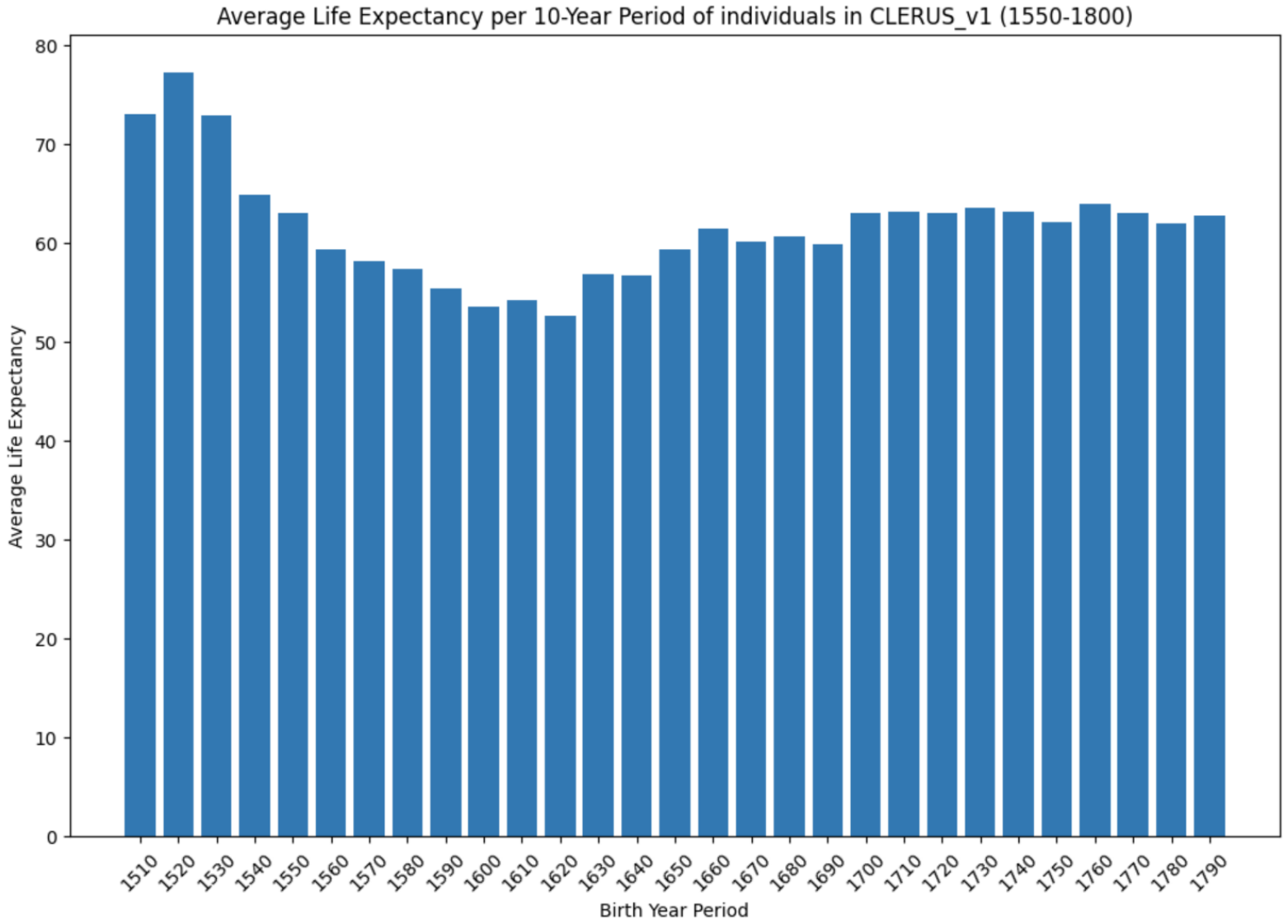


Number of ministers per decade CLERUS v1 (based on start year)

Descriptive statistics



Descriptive statistics



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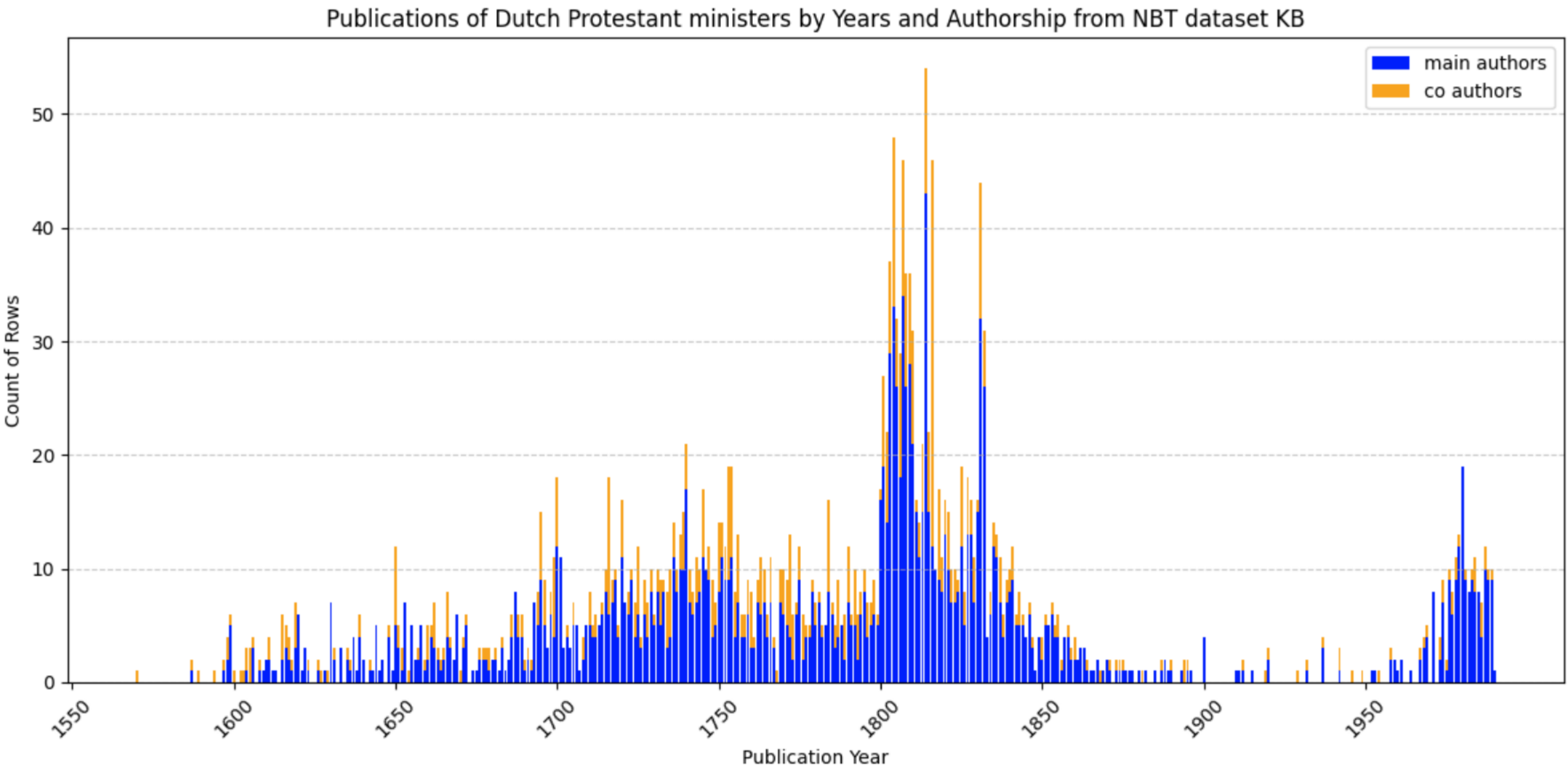
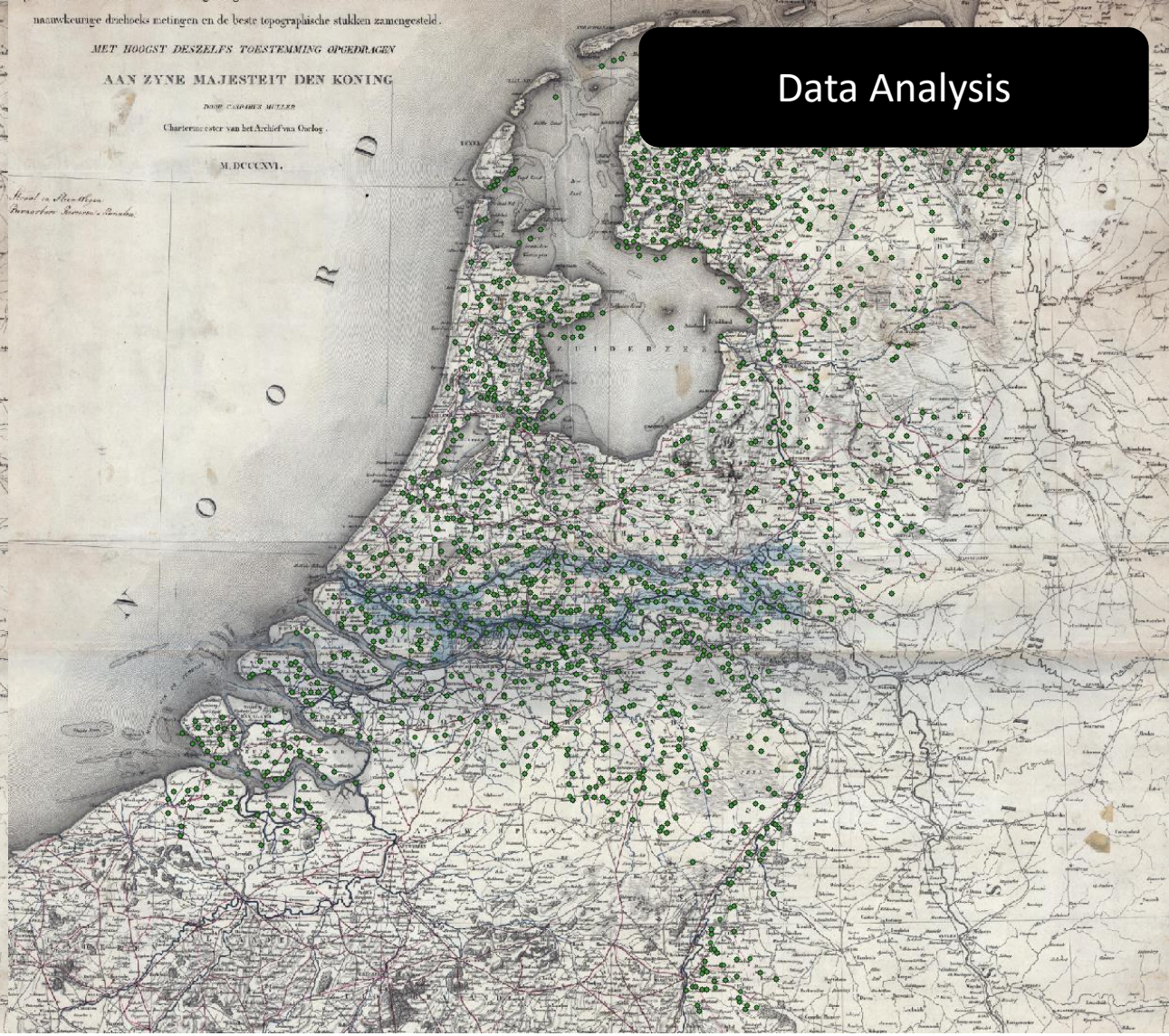


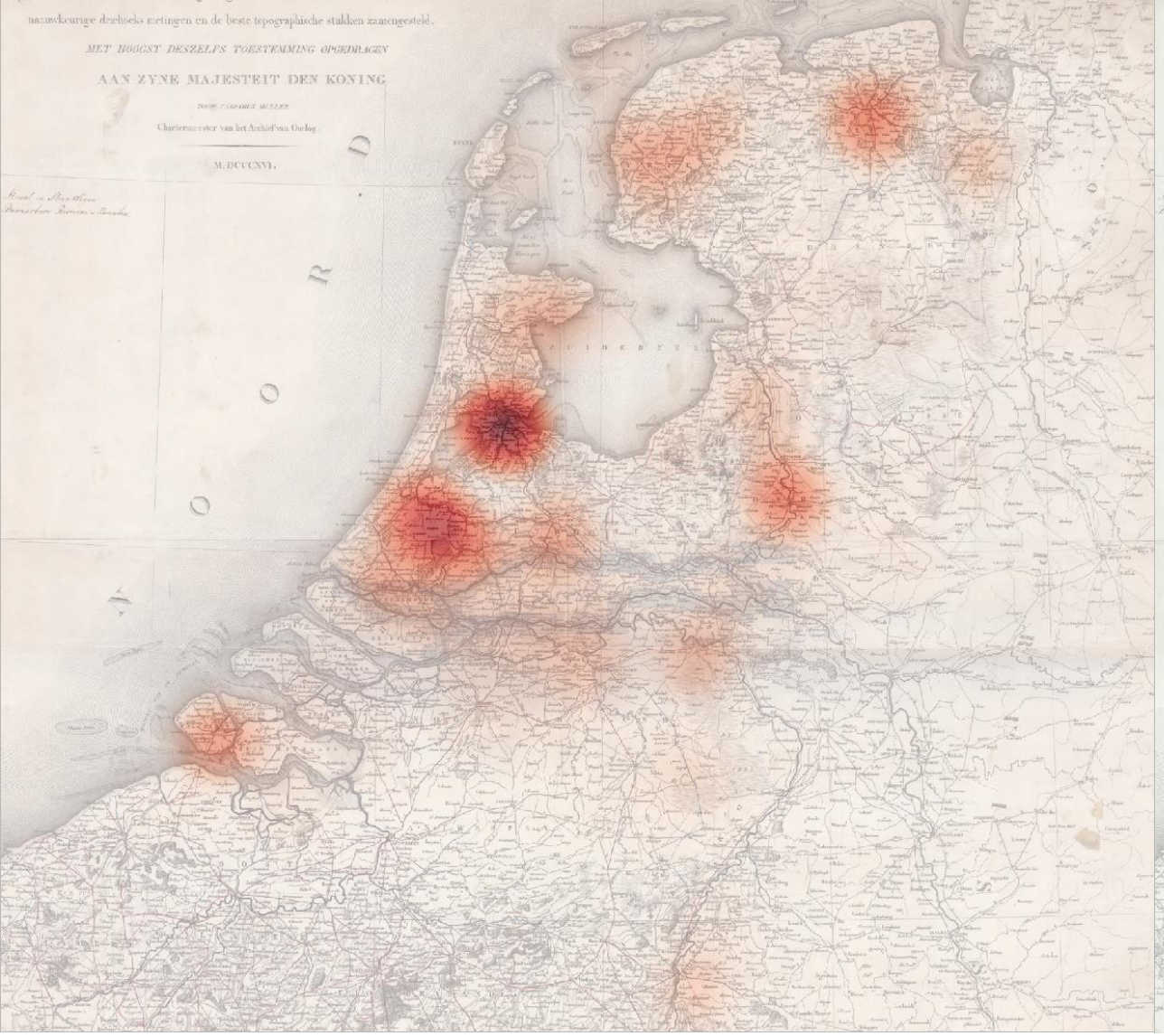
Data Analysis

Places of birth – Dutch Ministers
1500-1800

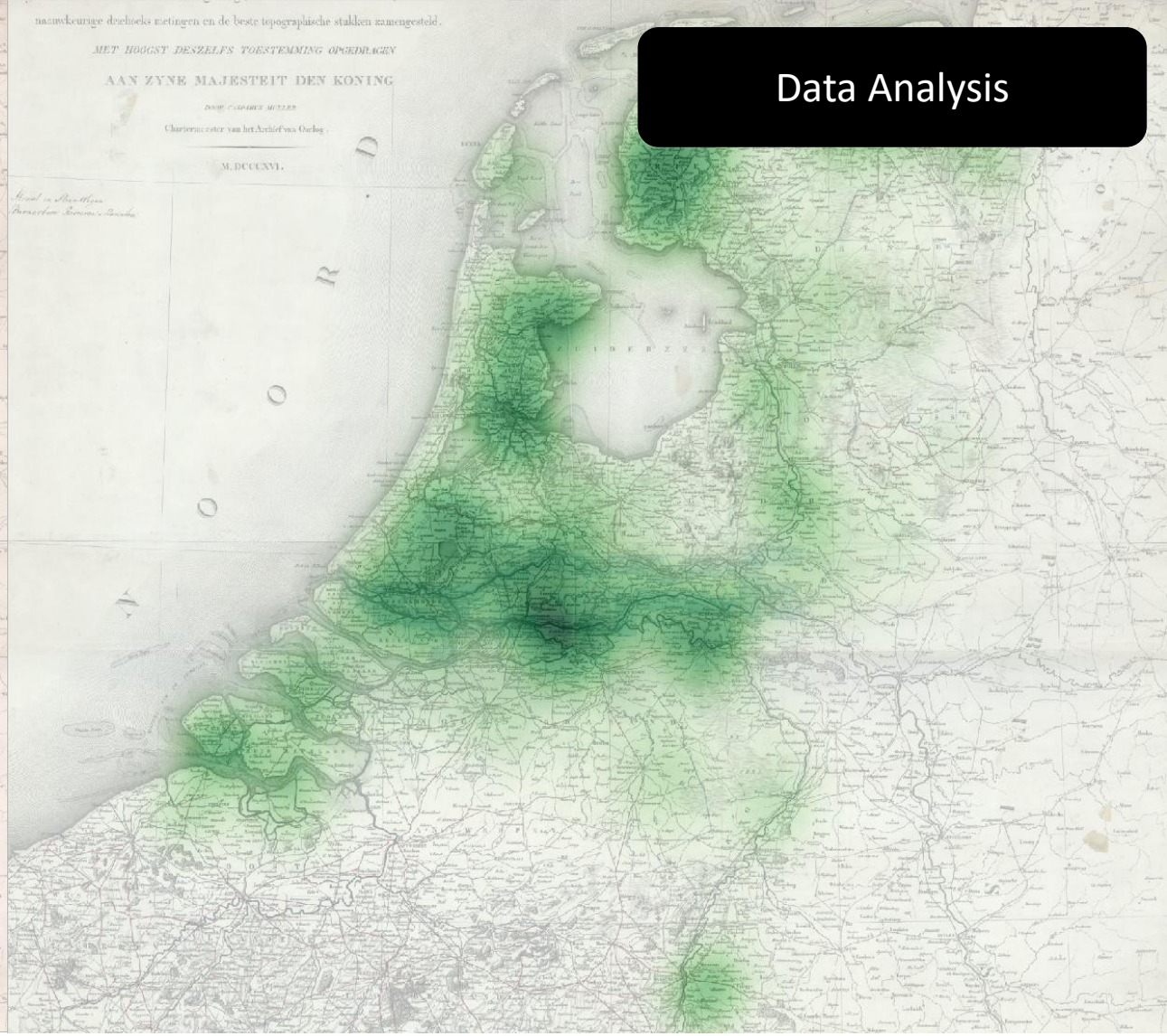


Parishes – Dutch Ministers

Data Analysis



Places of birth – Dutch Ministers
1600 - 1699



Parishes – Dutch Ministers
1600 - 1699

“We change the way you work”

- Joris van Eijnatten (2023)

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Training

- Changed the way at least three student assistants, two PhD candidates, a postdoc and professor work

Het is makkelijker om later velden samen te voegen dan ze achteraf te splitsen.

It is easier to merge fields later than to split them afterwards.

Presented at:

- 06/11/2023 - CLARIAH Conference
- 14/09/2023 – SSH Surf DANS meeting
- IISG meetings with (prof.) dr. Matthias van Rossum and dr. Rombert Stapel
- KNAW Huijgens Institute to link with the Biography portal (http://www.biografischportaal.nl/en/)
- Trefpunt Medische Geschiedenis in Nederland (with prof. dr. Mart van Lieburg)
- 08/02/2024 CLUE+ VU meets eScience Center

- The project results in:
  - DigiDuRe repository available at: https://github.com/Morrizzzzz/DigiDuRe
  - Research article – *in draft*
  - Curated dataset (UBVU) – *in progress*

DigiDuRe

Overview:

1. Data Harmonization

CLERUS DATA
- 12.500 records semi structured records processed in Relations Database
- 4 student assistents curated the data
- Data collection strategy formulated for various datasources
- Convert it to LD

2. Linking Data

BOOK TITLE DATA
- SPARQL endpoint KB scraped and linked with CLERUS (i.e. STCN and NBT)

BIOGRAPHY NET DATA
- Pipeline to link data with CLERUS

GEO DATA
- Geonames & IISG data
- Erfgeo – Netherlands Gazetteers?

3. Data Analysis

LINKING BOOK TITLE DATA
Connectioning various datasets: analysis of book titles and CLERUS is anticipated to deliver a bottom-up reconstruction of trends and changes in thematization.

- Rule based queries/ descriptive statistics
- Spatial analysis

4. Dissemination

WORKSHOP
Introduction to databases and working with data in digital humanities

PRESENTATIONS
Conference contributions

Expected result(s)
- Research article
- Data publication CLERUS
- This repo containing the various scripts

- Follow-up -> to make all kind of links to other datasets. (VU Network Institute project Connect with VOC archives/ Museum collections etc.

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Collaboration with:

- Doreen van den Boogaart (VU researcher)
- Robin Korink (VU Student Assistant)
- Renée Brouwer (VU Student Assistant)
- Cécile Bras (VU Student Assistant)

- Fred van Lieburg (professor at VU – director of HDC Centre for Religious History)
- Mart van Lieburg (emeritus professor – director Trefpunt Medische Geschiedenis in Nederland)

- Maurice de Kleijn (senior Research Software Engineer – Netherlands eScience Center

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Let’s stay in touch!

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Sign up to get notified!