

# DigiDuRe

Digital Dutch Religion Portal 1500-2000 project



Dr. Maurice de Kleijn (Netherlands eScience Center)



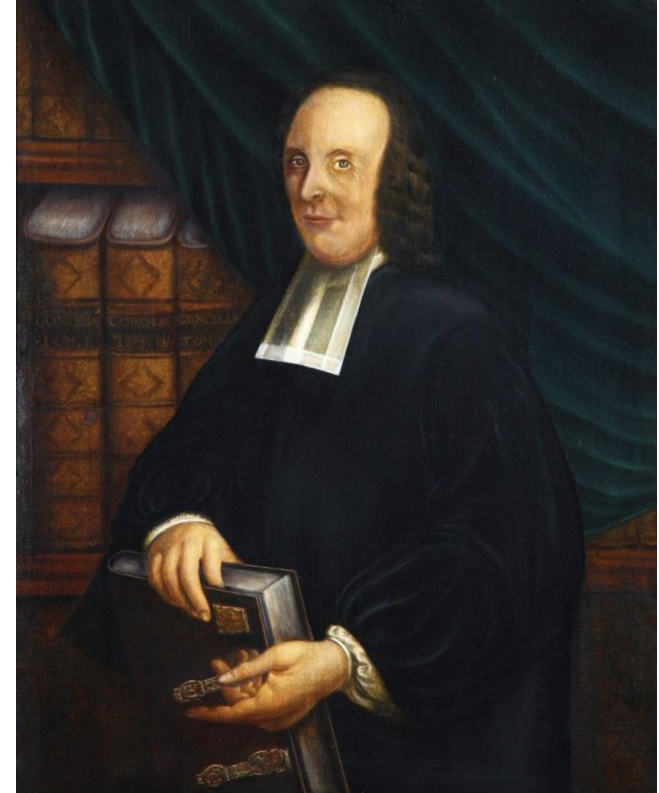
Prof. dr. Fred van Lieburg (VU – HDC Centre for Religious History)  
Doreen van den Boogaart (VU)

netherlands  
**eScience center**

# 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/>



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>



## 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
- Descriptive statistics

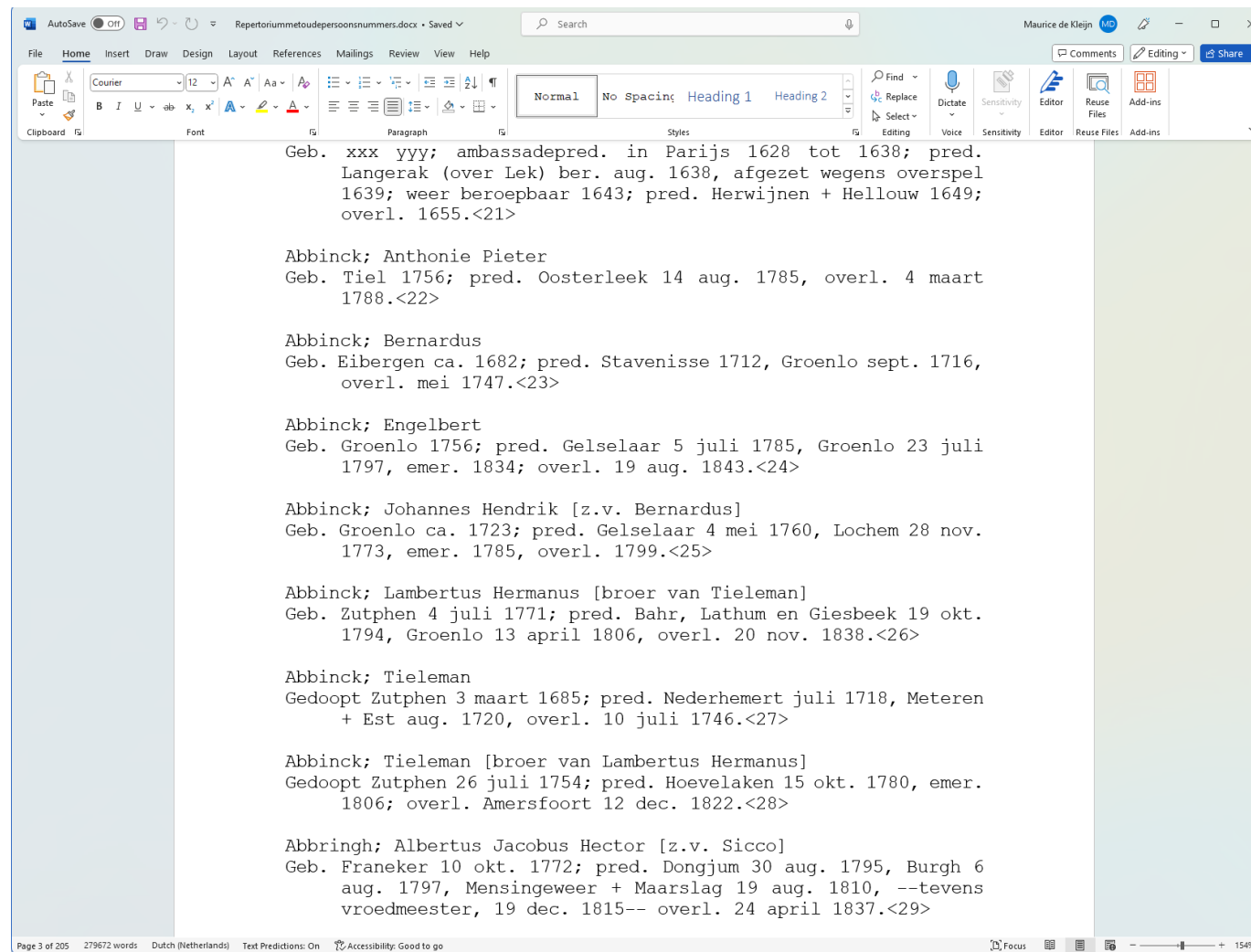
## 4. Dissemination

- Knowledge sharing (training history scholars)
- Publishing data

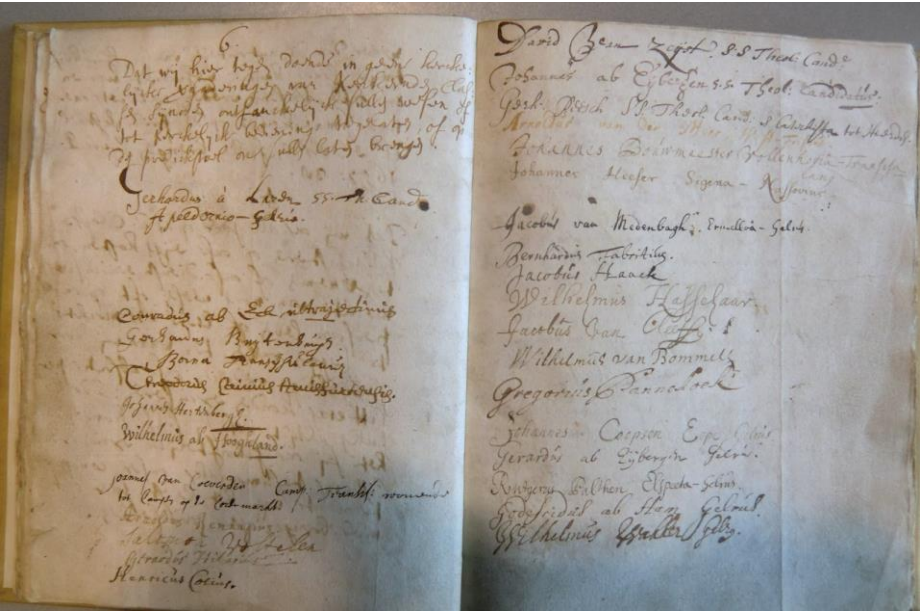


## Dutch Reformed Clergy (DRC) dataset 1555-1816

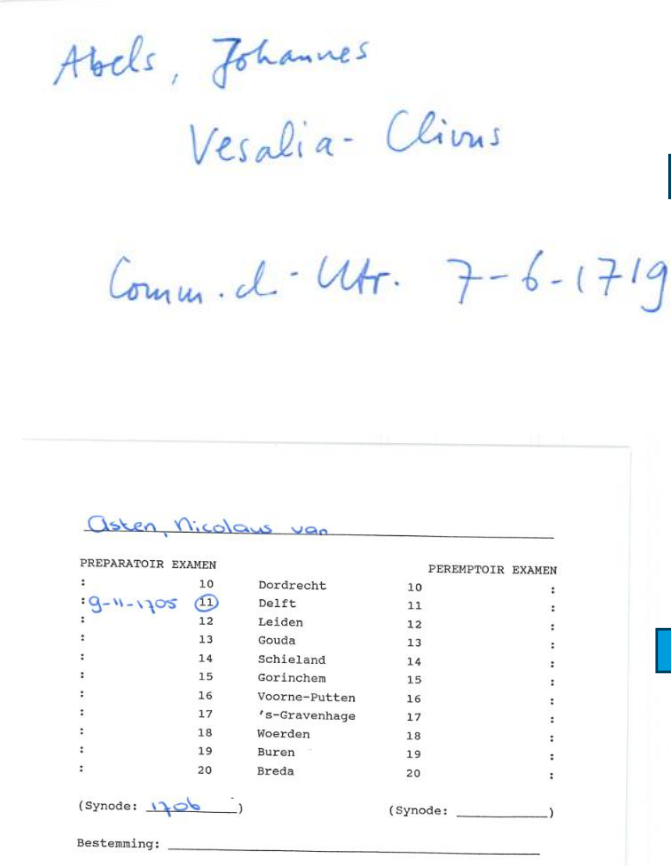
~12.500 individuals in a semi-structured text document



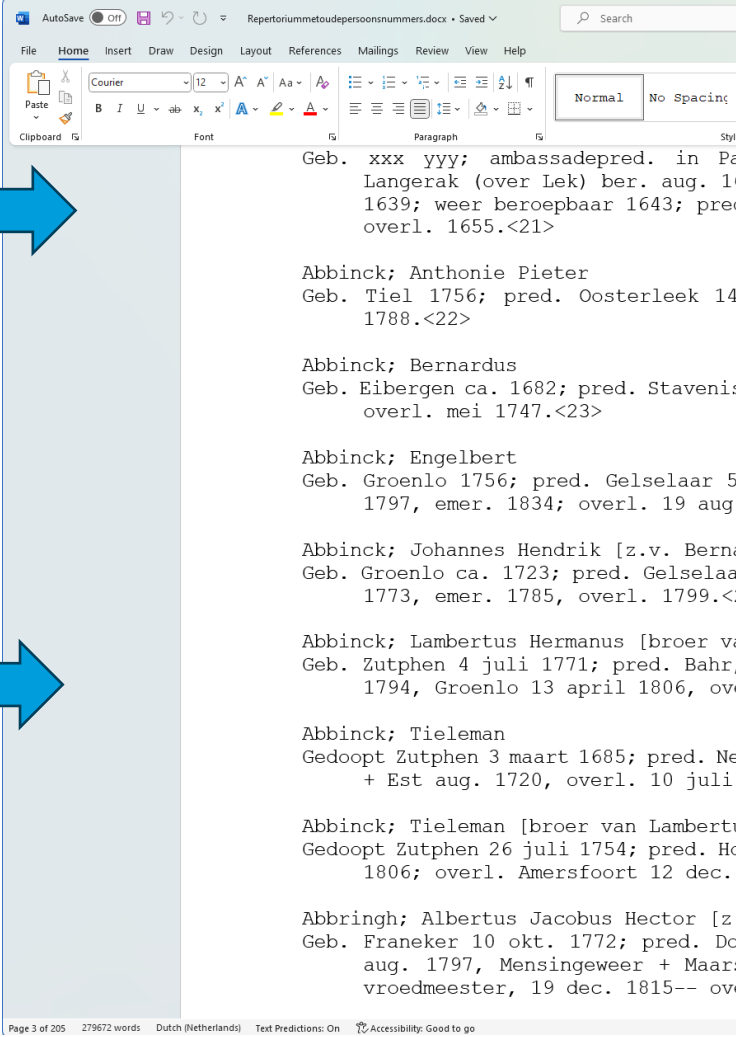
Original source



Index cards ~1990



Text files



## *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, Sommeldijk 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.

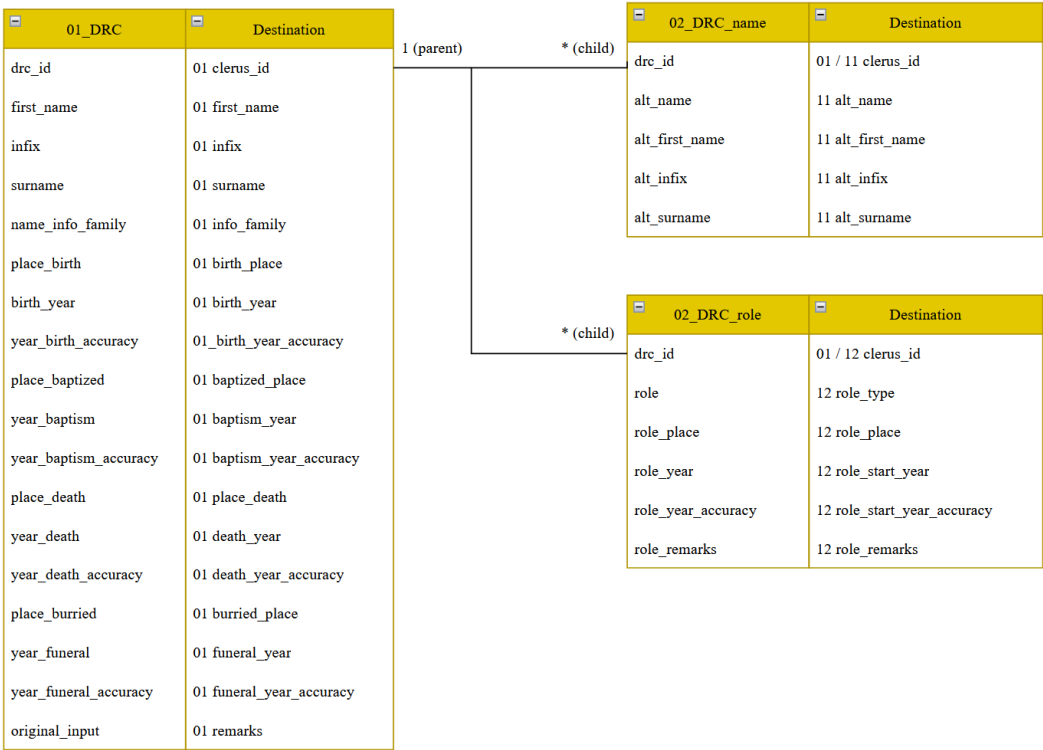
e.g. year of birth, role, place of birth etc.





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.*





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. diaconie	Sickesz; J.C.	Vlissingen	6	juli	1952	emeritaat	1	mei	1954	verrichte 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 De		23	maart	1980					Parttime. Tevens parttime te R'dam
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.Maartensklir	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
28808		ZH		Rotterdam-Zuid	Vreewijk-Kruis	Boerl. de	Gomert	6	september	1987	Delft (stud. past	27	augustus	1989	Parttime

One row for every role



...	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

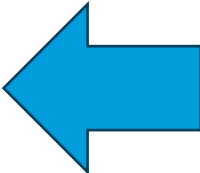
CLERUS\_v1

Database Dutch Reformed Clergy (DRC) 1555-1816

01_DRC	Destination	1 (parent)	* (child)	02_DRC_name	Destination
drc_id	01 clerus_id			drc_id	01 / 11 clerus_id
first_name	01 first_name			alt_name	11 alt_name
infix	01 infix			alt_first_name	11 alt_first_name
surname	01 surname			alt_infix	11 alt_infix
name_info_family	01 info_family			alt_surname	11 alt_surname
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_buried	01 buried_place				
year_funeral	01 funeral_year				
year_funeral_accuracy	01 funeral_year_accuracy				
original_input	01 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 familyv / 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

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



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+**



~1600 - 1735 (data available end 18th cent.)  
In theory this dataset contains all individuals of CLERUS  
16/06/2023 incomplete still

ACTA_Classes	Destination
drc_id	00 drc_id
Ci_ID	12 role_classis_code (clerus_role_id - A)
rol_bron	13 main_source
Achternaam_Classis	01 surname / 11 all_surname when existing in DRC
Voornaam_Classis	01 first_name / 11 all_first_name when existing in DRC
Tussenvoegsel_Classis	01 info / 11 all_info if it is different from DRC
Patronem_Classis	01 info_family / 11 all_info_family if different from DRC
Opmerkingen_naam	01 remarks
Toponiem_Latijn	14 all_place_name
Woonplaats	12 role_place (clerus_role_id - A)
Opmerkingen_woonplaats	12 role_remarks (clerus_role_id - A)
Student_locatie	12 role_residence_place (clerus_role_id - A)
Prep_Examen_Classis	12 role_prep_exam_classis (clerus_role_id - A)
Rol_type_1	12 role_type (clerus_role_id - A)
Propontent_Examen_classis (datum)	12 role_prep_exam_date (clerus_role_id - A)
Commendat_Classis (datum)	12 role_commandat_exam_date (clerus_role_id - A)
Opmerkingen_rol_1	12 role_remarks (clerus_role_id - A)
Rol_type_2	12 role_type (clerus_role_id - B)
Rol_plaats_2	12 role_place (clerus_role_id - B)
Rol_regio_2	12 role_region (clerus_role_id - B)
Rol_land_2	12 role_place (clerus_role_id - B)
Rol_begin_start_datum_YYYYMMDD_2	12 role_start_year_accuracy (clerus_role_id - B)
Rol_begin_jaar_2	12 role_start_year (clerus_role_id - B)
Opmerking_rol_2	12 role_remarks (clerus_role_id - B)
Rol_type_3	12 role_type (clerus_role_id - C)
Rol_plaats_3	12 role_place (clerus_role_id - C)
Rol_regio_3	12 role_region (clerus_role_id - C)
Rol_land_3	12 role_place (clerus_role_id - C)
Rol_begin_start_datum_YYYYMMDD_3	12 role_start_year_accuracy (clerus_role_id - C)
Rol_begin_jaar_3	12 role_start_year (clerus_role_id - C)
Opmerkingen_rol_3	12 role_remarks (clerus_role_id - C)

**Exclusive Ministers**  
(individuals that eventually became minister)

~1600 - 1816

01_DRC	Destination
drc_id	00 drc_id
first_name	01 first_name
info	01 info
surname	01 surname
name_info_family	01 info_family
place_birth	01 birth_place
year_birth	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_buried	01 buried_place
year_funeral	01 funeral_year
year_funeral_accuracy	01 funeral_year_accuracy
original_input	01 remarks

~1600 - 2005

DM	Destination
DM_id	00 DM_id
role_province	12 role_province
role_classis	12 role_classis
gemeente	12 role_parish
wijk	discarded
predikant	01 first_name / 01 info / 01 surname / 01 initials / 01 info_family / 11 all_name
Herkomst	12 role_place
inbrede	12 role_start_year_accuracy
inbrede intrade	12 role_start_year_accuracy
inbrede intrade	12 role_start_year
vertrek naar of vanwege	12 role_remarks
dag vertrek	discarded
jaar vertrek	discarded
Bijzonderheden	12 role_remarks

CLERUS V1  
&  
CLERUS V2  
(all ministers)

1747 opgemaakt  
(data ~1700 tm 1747)

keppel	Destination
keppel_id	00 keppel_id
Rol_bron	13 main_source
Rol_bron_pagina	13 additional_info_source
Patronem_NL	01 info_family / 11 all_info_family if different from DRC
Variante_Achternaam_Keppel	01 surname / 11 all_surname if it is different from DRC
Variante_Voornaam_Keppel	01 first_name / 11 all_first_name if it is different from DRC
Variante_Tussenvoegsel_Keppel	01 info / 11 all_info if it is different from DRC
Rol_type_1	12 role_type (clerus_role_id - A)
Rol_begin_examen_datum_YYYYMMDD	12 role_start_year_accuracy (clerus_role_id - A) & 12 role_start_year_accuracy (clerus_role_id - A)
Rol_type_2	12 role_type (clerus_role_id - B)
Rol_plaats_2	12 role_place (clerus_role_id - B)
Rol_regio_2	12 role_region (clerus_role_id - B)
Rol_land_2	12 role_start_year (clerus_role_id - B)
Rol_begin_start_datum_YYYYMMDD_2	12 role_start_year_accuracy (clerus_role_id - B)
Rol_begin_jaar_2	12 role_start_year (clerus_role_id - B)
Notes_2	12 role_remarks (clerus_role_id - B)
Rol_type_3	12 role_type (clerus_role_id - C)
Rol_plaats_3	12 role_place (clerus_role_id - C)
Rol_regio_3	12 role_region (clerus_role_id - C)
Rol_land_3	12 role_start_year_accuracy (clerus_role_id - C)
Rol_begin_start_datum_YYYYMMDD_3	12 role_start_year_accuracy (clerus_role_id - C)
Rol_begin_jaar_3	12 role_start_year (clerus_role_id - C)
Rol_eind_jaar_3	discarded

1756 - 1816

boekzaaltijd	Destination
Nr_BZ	00 Nr_BZ
Achternaam_BZ	01 surname / 11 all_surname if it is different from DRC
Tussenvoegsel_BZ	01 info / 11 all_info if it is different from DRC
Voornaam_BZ	01 first_name / 11 all_first_name if it is different from DRC
Voorletter_BZ	01 initials / 11 all_initials if it is different from DRC
Variante_Achternaam_BZ	11 all_surname
Variante_Voornaam_BZ	11 all_first_name
Variante_Voorletter_BZ	11 all_initials
Family name	01 info_family / 11 all_info_family if different from DRC
Toewoeging	01 remarks
Classis	12 role_classis_code
Rol	12 role_type (clerus_role_id - A)
Rol plaats	12 role_place (clerus_role_id - A)
Jaar (Begin) Rol	12 role_start_year (clerus_role_id - A) : role is propontent
Periode (eind) Rol	14 main_source & 14 additional_info_source (clerus_role_id - A)
Jaar 2 en verder rol	14 main_source & 14 additional_info_source (clerus_role_id - A)
Periode 2 (en verder) rol	14 main_source & 14 additional_info_source (clerus_role_id - A)
Jaar (eind) rol	14 main_source & 14 additional_info_source (clerus_role_id - A)
Periode (eind) rol	14 main_source & 14 additional_info_source (clerus_role_id - A)
Jaar Beropen	12 role_start_year (clerus_role_id - B)
Periode (Beropen)	14 main_source & 14 additional_info_source (clerus_role_id - A)
Rol	12 role_type (clerus_role_id - B)
Bestemming	12 role_place (clerus_role_id - B)
Toewoeging plaats bestemming	12 role_remarks (clerus_role_id - B)
Aantekening bij bestemming	12 role_remarks (clerus_role_id - B)
Overleden	01 place_death
Jaar overleden	01 death_year
Extra fundie	12 role_type (clerus_role_id - C)
Locatie xtra fundie	12 role_place (clerus_role_id - C)
Jaar begin xtra fundie	12 role_start_year (clerus_role_id - C)
Periode xtra fundie	12 role_remarks (clerus_role_id - C)
Periode (einde)	12 role_remarks (clerus_role_id - C)
Aantekening xtra fundie	12 role_remarks (clerus_role_id - C)

1717 - 1730

naamregister_rol_nin	Destination
prop_id	00 prop_id
nr_surname_variant	01 surname
nr_name_variant	01 first_name
nr_name_family	01 info_family
nr_place_of_birth	01 birth_place
nr_remarks	01 remarks

naamregister_nin	Destination
drc_id	00 drc_id
nr_surname_variant	11 all_surname
nr_name_variant	11 all_first_name
nr_name_family	11 info_family
nr_place_of_birth	11 all_info_family
nr_remarks	11 remarks_all_name

naamregister_info	Destination
prop_id	00 prop_id
drc_id	00 drc_id
role_type	12 role_type
role_classis_id	12 role_classis_code
role_place	12 role_place
role_remarks	12 role_remarks
1717	13 additional_info_source
1718	13 additional_info_source
1719	13 additional_info_source
1720	13 additional_info_source
1721	13 additional_info_source
1722	13 additional_info_source
1723	13 additional_info_source
1724	13 additional_info_source
1725	13 additional_info_source
1726	13 additional_info_source
1727	13 additional_info_source
1728	13 additional_info_source
1729	13 additional_info_source
1730	13 additional_info_source
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## Methods to join the various datasets

e.g. Firstletter+Surname+birthyear

More advanced algorithms (e.g. Levensthein)

This is done for linking and curations processes

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*Work in progress*

# BIOGRAFISCH portaal van nederland

80.626 personen  
in 147.999 biografieën



[home](#) [zoeken](#) [bladeren](#) [project](#) [blog](#) [agenda](#) [links](#) [vragen](#) [contact](#) [english](#)



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](#)



**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”***

**BIOGRAFISCH**  
portaal van nederland

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home zoeken bladeren project blog agenda links vragen contact english

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**Nieuws**

- » Nieuw blog: **We vergeten Schotel**
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**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](#)

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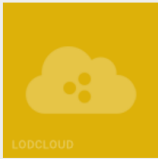
**Breitner, George Hendrik (1857-1923)**

[meer](#)

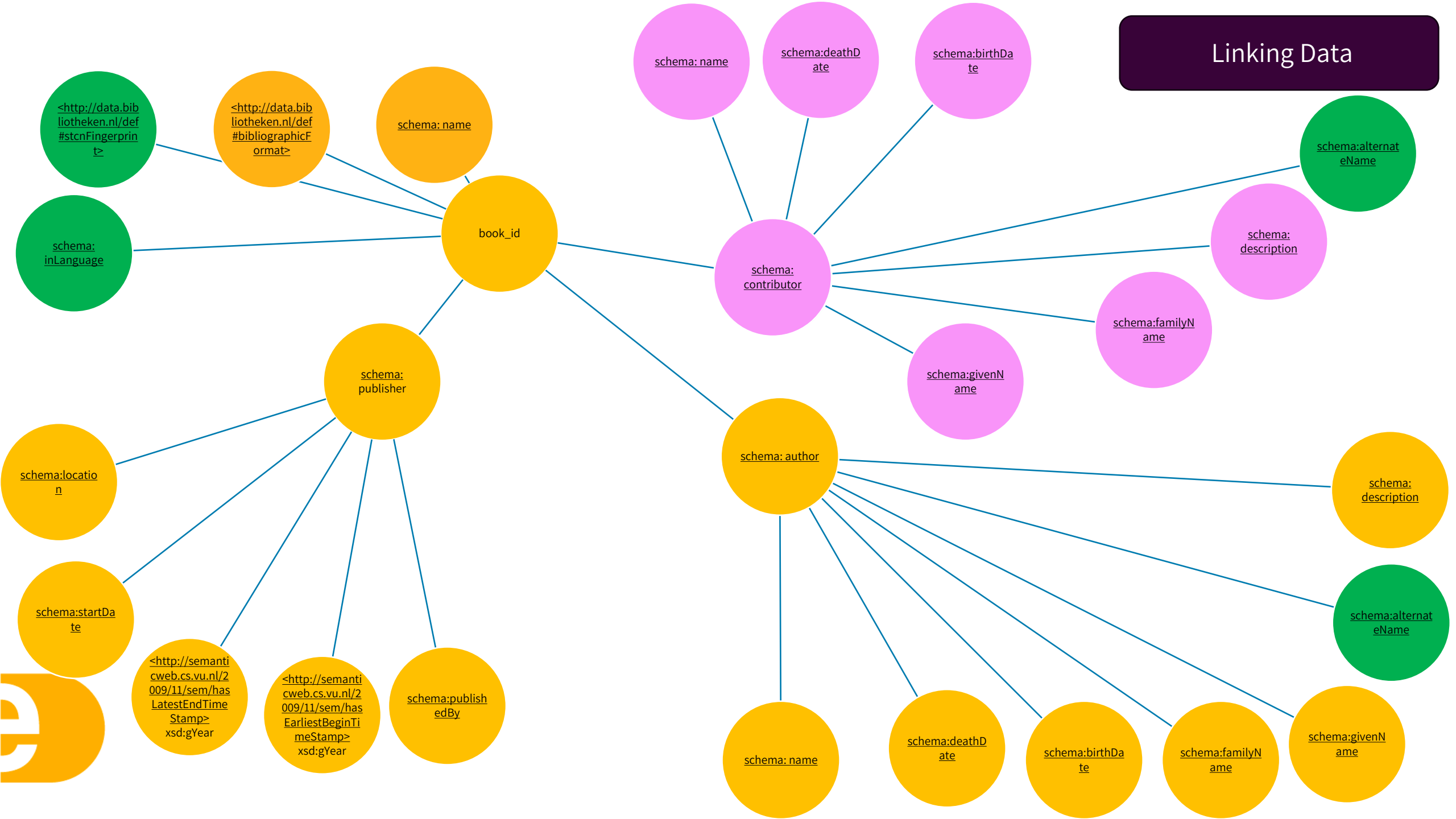
home zoeken bladeren project blog agenda links vragen contact

# Short-Title Catalogue Netherlands (STCN)

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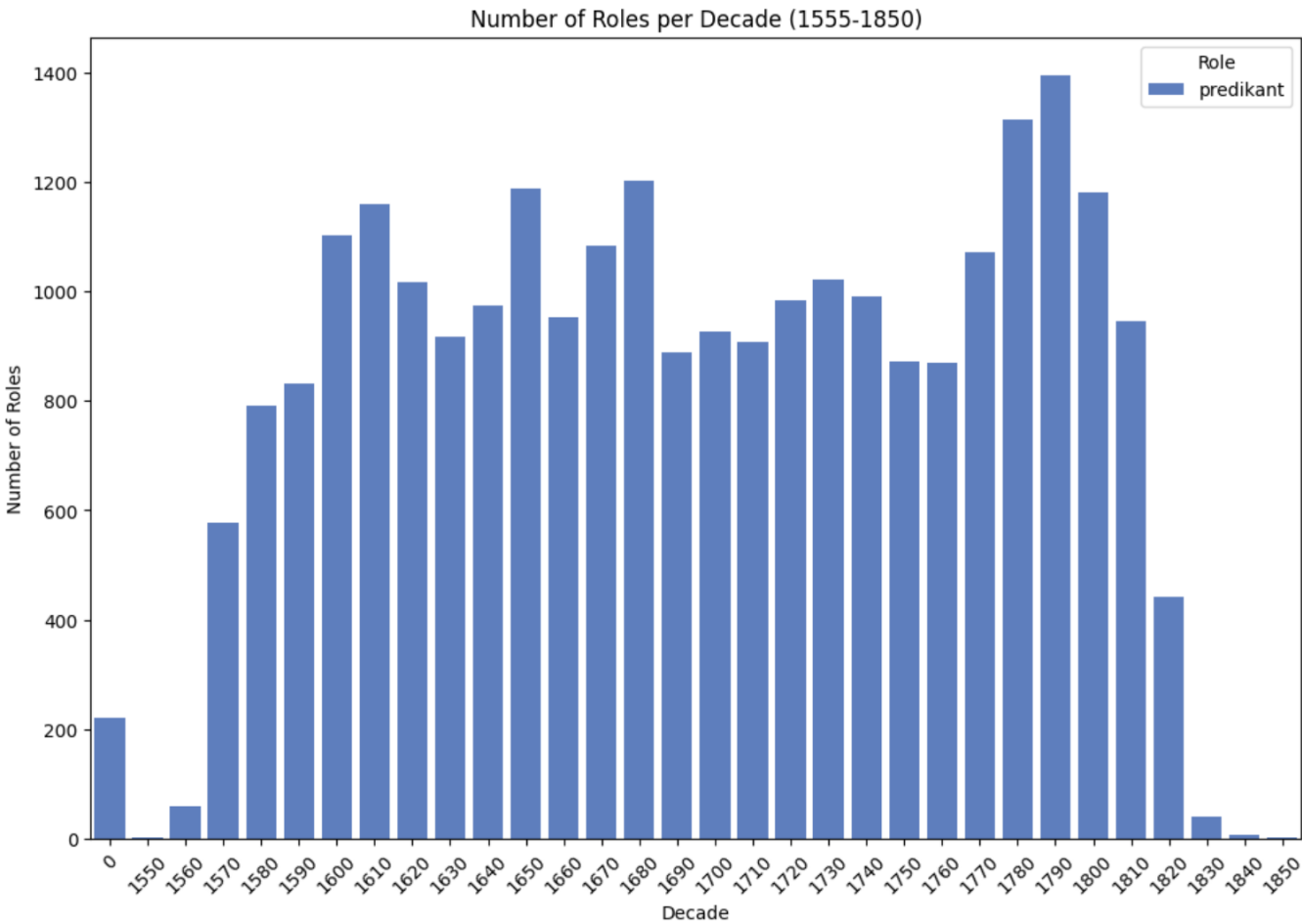


schema:description	Expert descriptions of books printed in the Netherlands between 1473 and 1801 in more than 210.000 editions in 550.000 copies. Contains descriptions of books in the collections of many libraries in the Netherlands and various libraries abroad. All books are described book in hand. 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
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schema:name	EN <u>NL</u> Short-Title Catalogue Netherlands (STCN)
schema:dateModified	2022-04-29
schema:datePublished	2019-03-26
rdf:type	schema:Dataset
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schema:license	< <a href="http://creativecommons.org/publicdomain/zero/1.0/">http://creativecommons.org/publicdomain/zero/1.0/</a> >
schema:creator	< <a href="http://data.bibliotheken.nl/id/thes/p075301482">http://data.bibliotheken.nl/id/thes/p075301482</a> > ↳ Koninklijke Bibliotheek (Den Haag)
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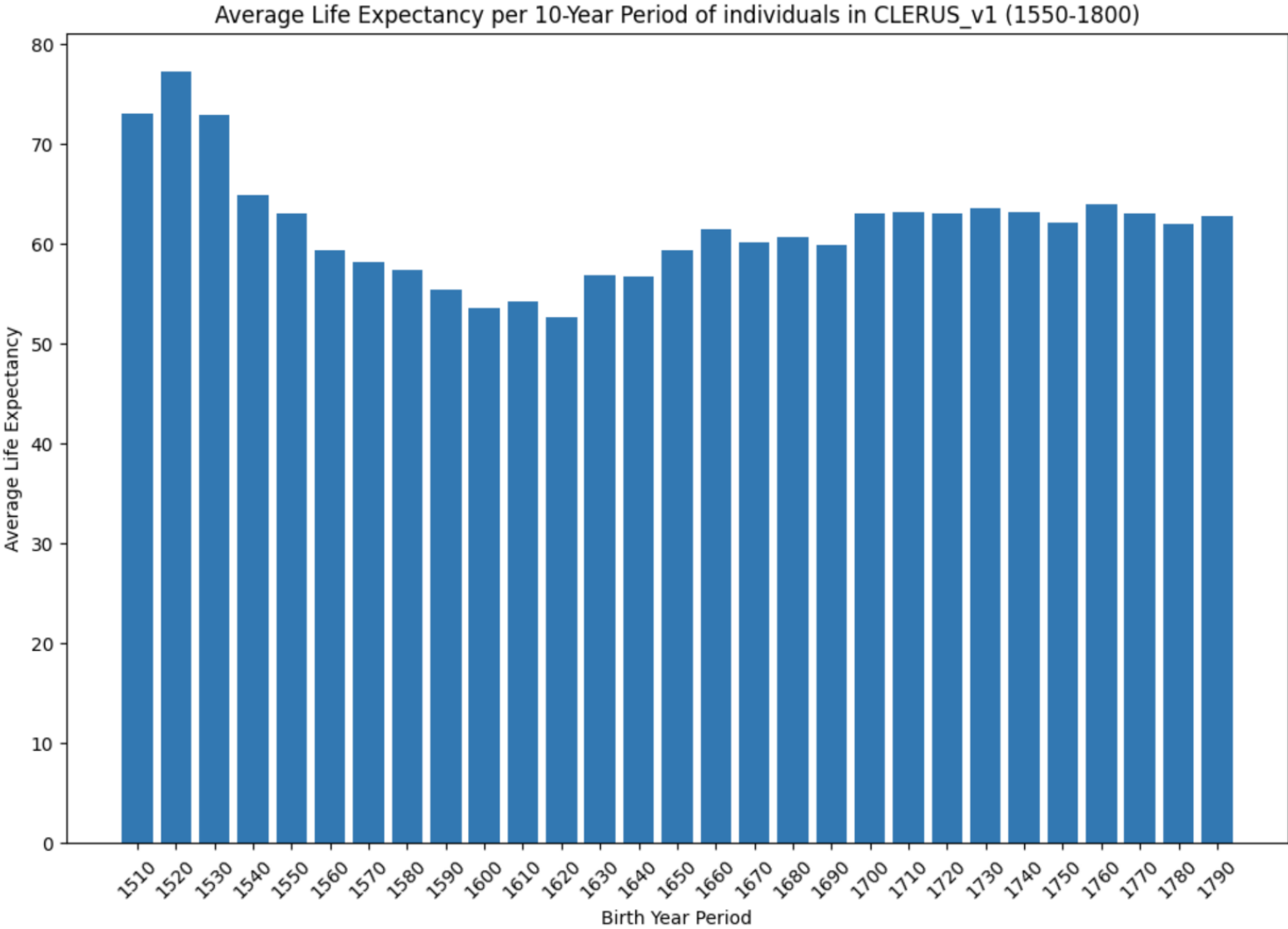


Number of ministers per decade CLERUS v1 (based on start year)

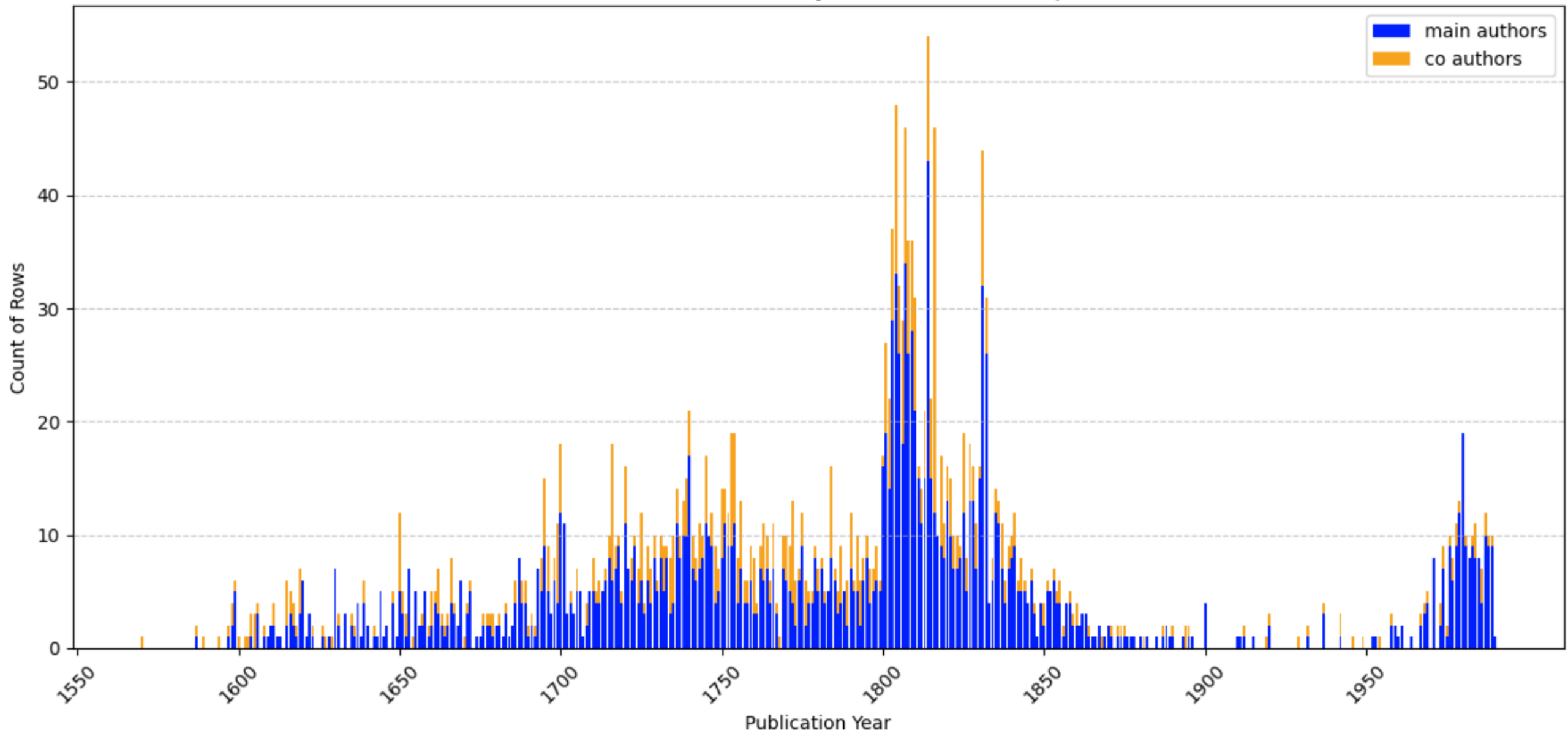
Descriptive statistics



Descriptive statistics



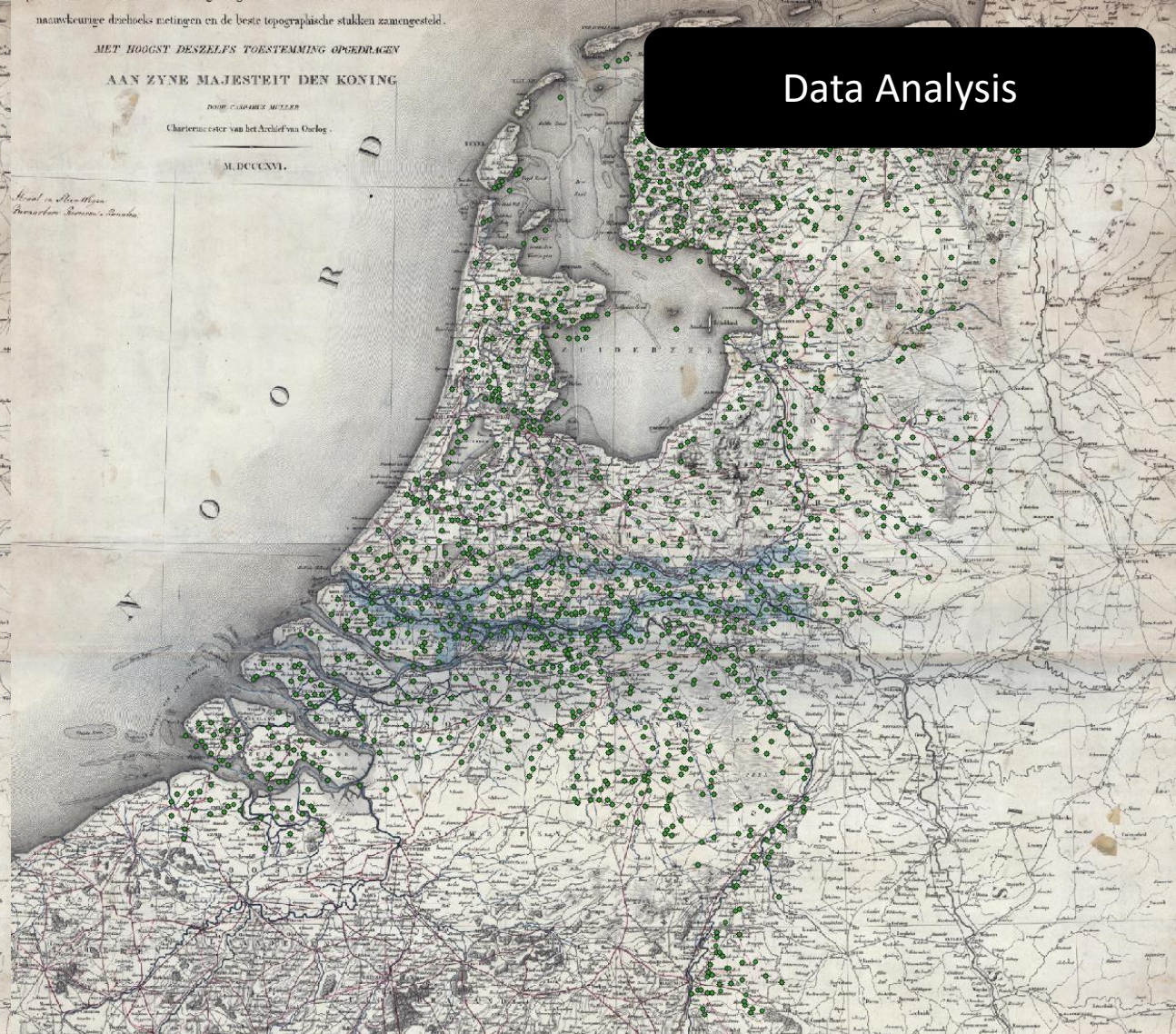
Publications of Dutch Protestant ministers by Years and Authorship from NBT dataset KB







Places of birth – Dutch Ministers  
1500-1800



Parishes – Dutch Ministers

Data Analysis



naauwkeurige driehoeks metingen en de beste topografische stakken zamengesteld.

MET HOOGST DESZEELFS TOESTEMMING OPGEDRAGEN

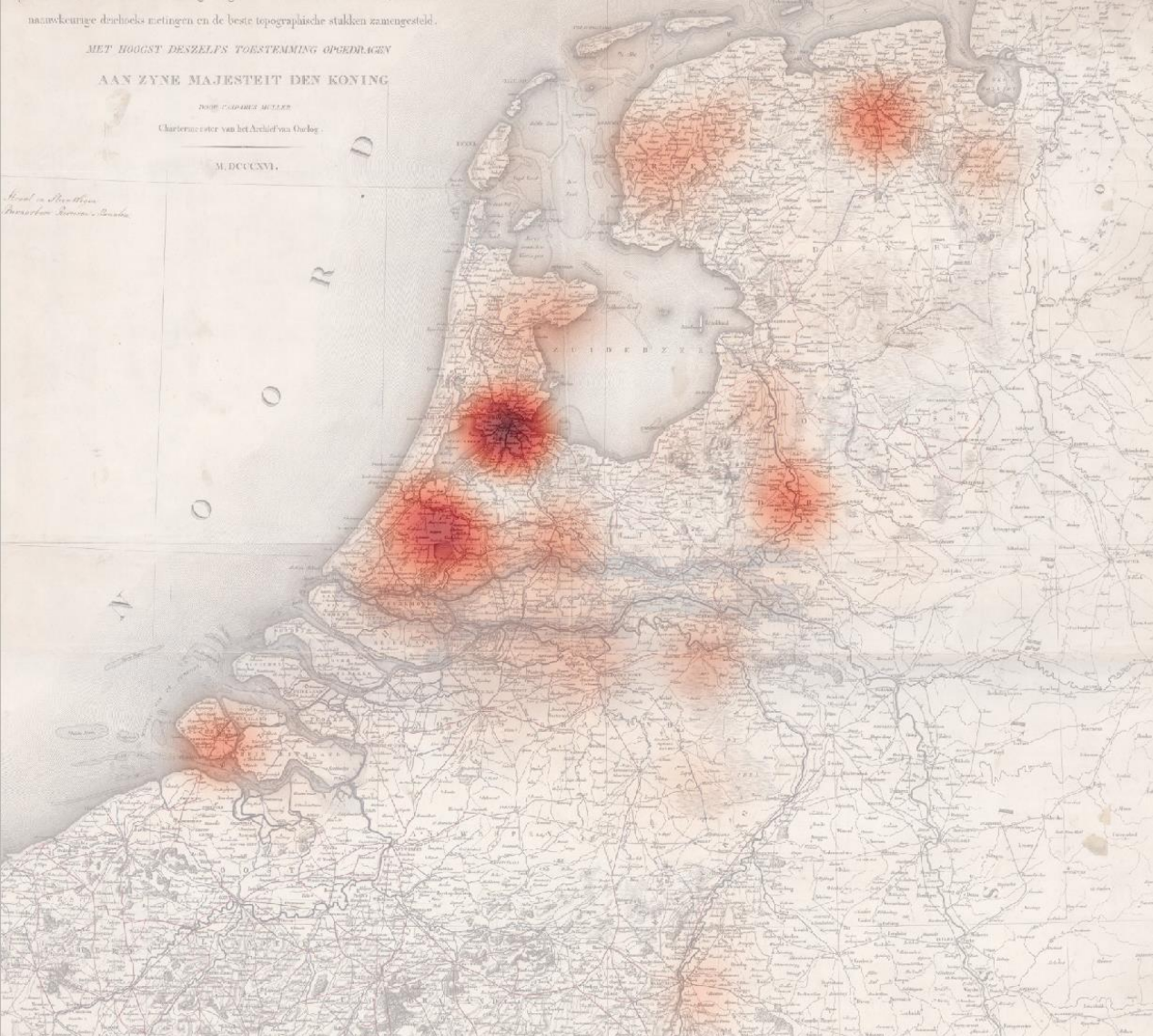
AAN ZYNE MAJESTEIT DEN KONING

DOOR GABRIEL MULLER

Chartermeester van het Archief van Oorlog

M.DCCCVI.

*Naal in Noord-Nieuw  
Nieuw-Nieuw-Nieuw*



Places of birth – Dutch Ministers  
1600 - 1699

naauwkeurige driehoeks metingen en de beste topografische stakken zamengesteld.

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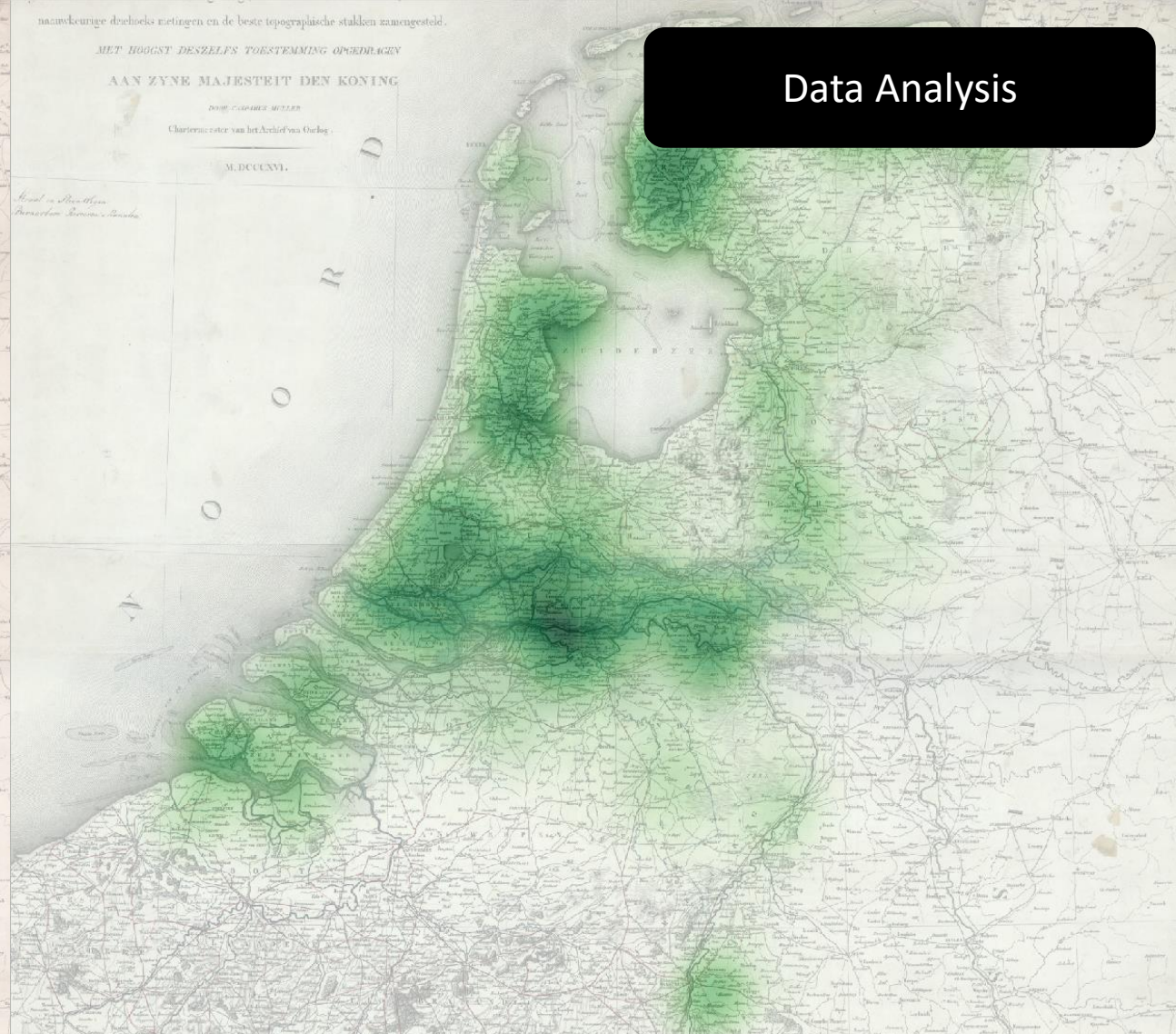
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Nieuw-Nieuw-Nieuw*



Parishes – Dutch Ministers  
1600 - 1699

Data Analysis

“We change the way you work”

*- Joris van Eijnatten (2023)*



# Training

## 4. Dissemination



*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.*

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

## 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*



## Overview:

### 1. Data Harmonization

#### CLERUS DATA

- 12.500 records semi structured records processed in Relations Database
- 4 student assistants 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.

## 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)



Let's stay in touch!



**Dr. Maurice de Kleijn**

[m.dekleijn@esciencecenter.nl](mailto:m.dekleijn@esciencecenter.nl)

[www.esciencecenter.nl](http://www.esciencecenter.nl)

**Sign up to get notified!**

