

Mining texts for social history

Research from spelling standardization
to sustainability transitions

Peeter Tints

Helsinki Digital Humanities seminar

17.10.2019

Outline

Two projects

Estonian ca. 1900: reconstructing the language community

Community metadata

Written language use in texts

Deep Sociotechnical Transitions 1900-2019

The idea and plan

Estonian written language community ca. 1900

What is the role of standard language in this
community?

Estonian language at 1800

Peasant language

Mostly oral and low prestige

Some writing tradition

Mostly clerics

20% read, less write

Migration limited to local
counties and parishes



Estonia & Livonia in the Russian Empire 1800

Estonian language 1850-1920

Freedom to move

1826, 1849/1856, 1863

Growth in literacy, schools

1800: 20% read, less write
1897: 91% read, 77% write

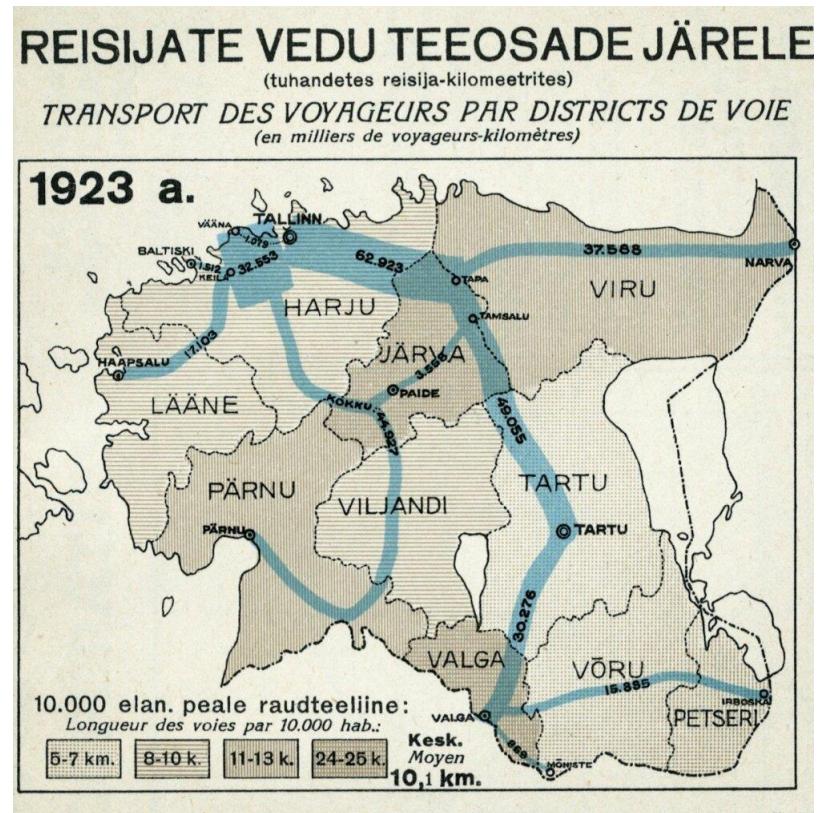
Urbanization

6% 1825 -> 19.2% 1897

Railroads

1870, 1876, 1889, 1896

Newspapers from 1857 onwards



Towards a unified standard

1850s: central public figures advocate „write as you speak“ (Kreutzwald, Jannsen), but also speak of unified standard.

1870s: transition from Germanic to Finnic spelling, but local variation remains

ma -> maa, se -> see, ramat -> raamat

tühhi -> tühi, wahhele -> vahel, innimenne -> inimene

1872, 1886, 1908-1911: Dictionaries & discussions on standard

1920s: language policies in Republic of Estonia

1930s: a standard language culture (Milroy 2001)

Transitionary period

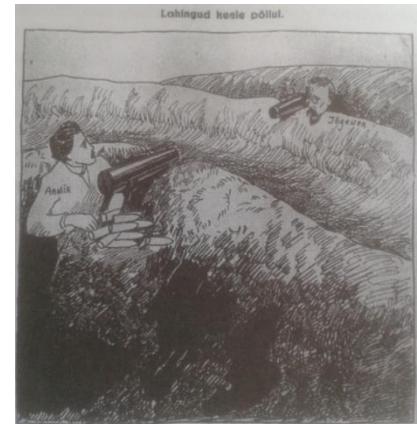
We know that public figures tried to influence language use, and form a standard.

And we know they got there by late 1920s.

How did they get there?

Were the new writers paying attention?

Mechanisms of spelling standardization.



„Battles on field of language“ (1914)

Emerging standard language

Spelling standardization and its mechanisms

- Language contacts (spoken & written)

- Language prescription

- Convergence on the majority

Spoken dialect contacts

Heavy urbanization & migration -> dialect contacts

How much?

Which dialects?

Historical census data

b-126

EESTI RIIKLINE STATISTIKA

1922 a.

ÜLDRAHVALUGEMISE ANDMED

VIIKK V

TARTU

Theil I.

Ergebnisse der livländischen Volkszählung.

RÉSULT

III. Band:

ARI

Die Zählung auf dem flachen Lande.

Bearbeitet und herausgegeben auf Veranstaltung des livländischen
Landräthe-Colegiums

von
Fr. v. Jung-Stilling und W. Anders.

Lieferung I.

RIGA.

Stahl'sche Buchdruckerei (Druckerel der „Zeitung für Stadt und Land“), gr. Mönchenstrasse Nr. 11/13.
1884.

TARTU MAAKOND



| Im Alter von: | Bevölkerung excl. actives Militair | | | | | | | | | | | | Gesamtbevölkerung | | |
|-----------------------|------------------------------------|----|--------------|----|-----------|----|------------|----|-------|----|----------|----|-------------------|----------|-----|
| | ledig | | verheirathet | | verwitwet | | geschieden | | Summa | | | | | | |
| | M. | W. | M. | W. | M. | W. | M. | W. | M. | W. | Zusammen | M. | W. | Zusammen | |
| 91 Jahr | — | 2 | 1 | 1 | 8 | 12 | — | — | 9 | 15 | 24 | — | 9 | 15 | 24 |
| 92 | — | 1 | — | — | 5 | 11 | — | — | 6 | 12 | 18 | — | 6 | 12 | 18 |
| 93 | — | — | 3 | 2 | 3 | 12 | — | — | 6 | 14 | 20 | — | 6 | 14 | 20 |
| 94 | 1 | 3 | — | — | 7 | 10 | — | — | 8 | 13 | 21 | — | 8 | 13 | 21 |
| 95 | 1 | 4 | 4 | 1 | 15 | 35 | — | — | 20 | 40 | 60 | — | 20 | 40 | 60 |
| 91—95 Jahr | 2 | 10 | 9 | 4 | 38 | 80 | — | — | 49 | 94 | 143 | — | 49 | 94 | 143 |
| 96 Jahr | 1 | 2 | 1 | 3 | 1 | 10 | — | — | 3 | 15 | 18 | — | 3 | 15 | 18 |
| 97 | — | — | — | — | 5 | 6 | — | — | 6 | 6 | 12 | — | 6 | 6 | 12 |
| 98 | — | — | — | 1 | — | 6 | 12 | — | 7 | 12 | 19 | — | 7 | 12 | 19 |
| 99 | — | — | 2 | 2 | — | 2 | 10 | — | 4 | 12 | 16 | — | 4 | 12 | 16 |
| 100 | — | 1 | 1 | — | 3 | 14 | — | — | 4 | 15 | 19 | — | 4 | 15 | 19 |
| 96—100 Jahr | 1 | 5 | 6 | 3 | 17 | 52 | — | — | 24 | 60 | 84 | — | 24 | 60 | 84 |

Faktiline ja harilik rahvaarv, ajutiselt kohalvibinud ja õrsolnud 1922 s

| | Faktiline rahvaarv | | | Ajutiselt kohalvibinud | | | Ajutiselt õrsolnud | | | A b s o l u t a r v u d |
|----------------------|----------------------------|--------|-------|------------------------|----------------|-------|--------------------|--------|-------|-------------------------|
| | Mehed | Naised | Kokku | Mehed | Naised | Kokku | Mehed | Naised | Kokku | |
| | % | % | % | % faktiilisest | % faktiilisest | % | % | % | % | |
| Linn | 4251 | 5204 | 9455 | 103 | 128 | 231 | 536 | 574 | 1110 | |
| Alev | 795 | 1015 | 1810 | 13 | 14 | 27 | 138 | 97 | 235 | |
| Vallad | 18273 | 15152 | 32425 | 525 | 403 | 928 | 202 | 188 | 388 | |
| Üldse maak | 18319 | 21371 | 39690 | 641 | 545 | 1186 | 876 | 857 | 1783 | |
| | % faktiilisest rahvaarvust | | | | | | | | | |
| Linn | 100% | 100% | 100% | 2,4 | 2,4 | 2,4 | 12,6 | 11,0 | 11,7 | |
| Alev | 100% | 100% | 100% | 1,6 | 1,4 | 1,5 | 17,9 | 9,6 | 15,0 | |
| Vallad | 100% | 100% | 100% | 3,9 | 2,6 | 3,8 | 1,5 | 1,2 | 1,4 | |
| Üldse maak | 100% | 100% | 100% | 3,5 | 2,5 | 3,0 | 4,9 | 4,0 | 4,4 | |

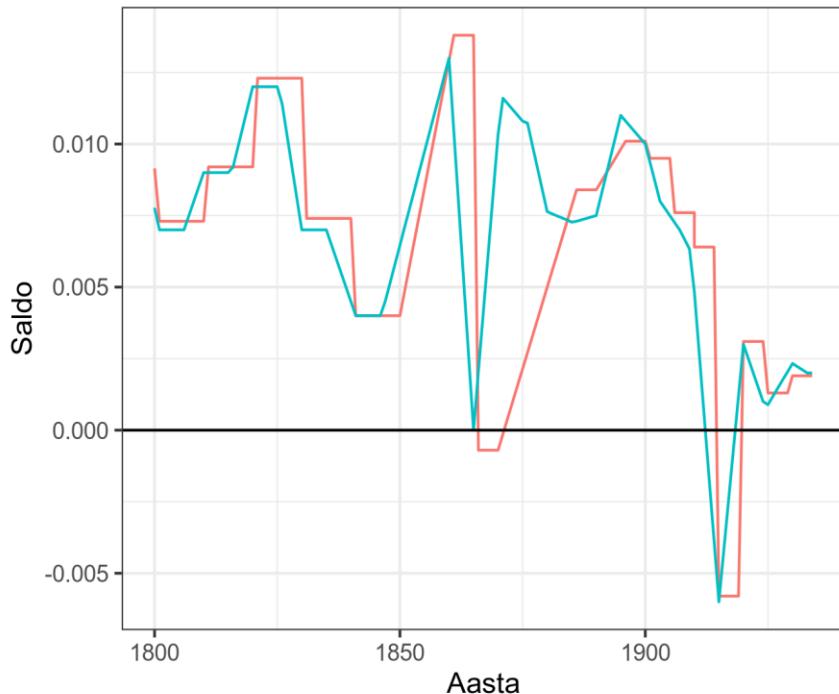
Administratiiv üksuste vördev rahvarikkus % des raha Eildarvust.

| | Faktiline arv | | Harilik arv | | Faktiline arv elan. eild. | Harilik arv elan. eild. | Eildarvust. |
|--------------------------------------|---------------------------|-------------------------|--------------------------------------|-------------------------|---------------------------|-------------------------|-------------|
| | Faktiline arv elan. eild. | Harilik arv elan. eild. | Faktiline arv elan. eild. | Harilik arv elan. eild. | | | |
| | % | % | % | % | | | |
| Valga linn | 23,8 | 25,7 | Koorküla vald | 2,1 | 2,0 | Sangaste vs | |
| Valga linn th. Puraküla al | 27,3 | 29,3 | Kuikatsi | 9,3 | 8,8 | Sooru | |
| Tõrva alev | 4,0 | 5,0 | Sellest Puka alevit | 1,6 | 1,5 | Taagepera | |
| Heime vald | 3,4 | 3,2 | Priipaliu | 0,6 | 0,6 | Sellest Ala | |
| Hõlde | 1,4 | 1,4 | Laanemetsa vald | 3,5 | 3,4 | Taheva vald | |
| Hummuli vald | 4,3 | 4,0 | Laatre vald | 3,1 | 3,0 | Tõpära | |
| Sellest Sos alevik | 0,8 | 0,8 | Sellest Tairgulinnu alevik | 0,6 | 0,6 | 1. Linn | |
| Jõgeveste vald | 2,4 | 2,7 | Leebiku vald | 1,6 | 2,1 | 2. Alev | |
| Sellest Kulli alevik | 0,8 | 0,8 | Lihula | 2,0 | 2,5 | 3. Linn ja | |
| Kasnäärve vald | 3,5 | 3,4 | Paju | 4,4 | 4,5 | 4. Vallad | |
| Karula vald | 7,1 | 6,9 | Sellest Puraküla alevik | 3,5 | 3,6 | 5. Vallad | |
| Keeni | 2,1 | 2,0 | Pataküla vald | 2,3 | 2,2 | 6. Üldse | |

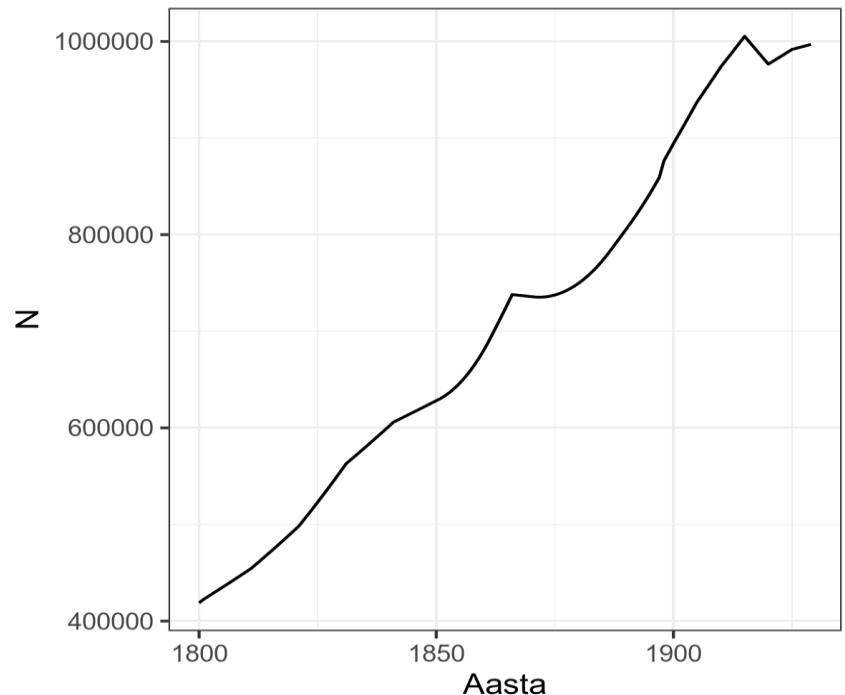
Population growth

Around 0.5-1% per year over the century

Aastane iive protsentides



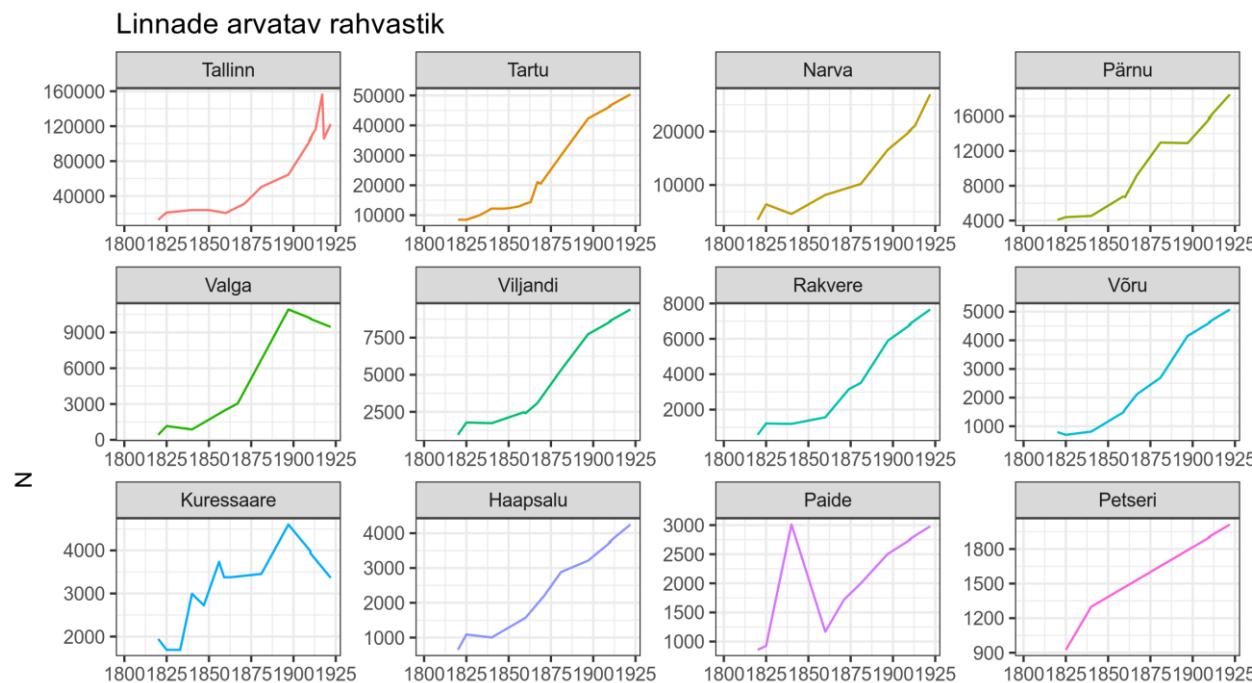
Eestlasti 19. sajandil



Population growth in cities

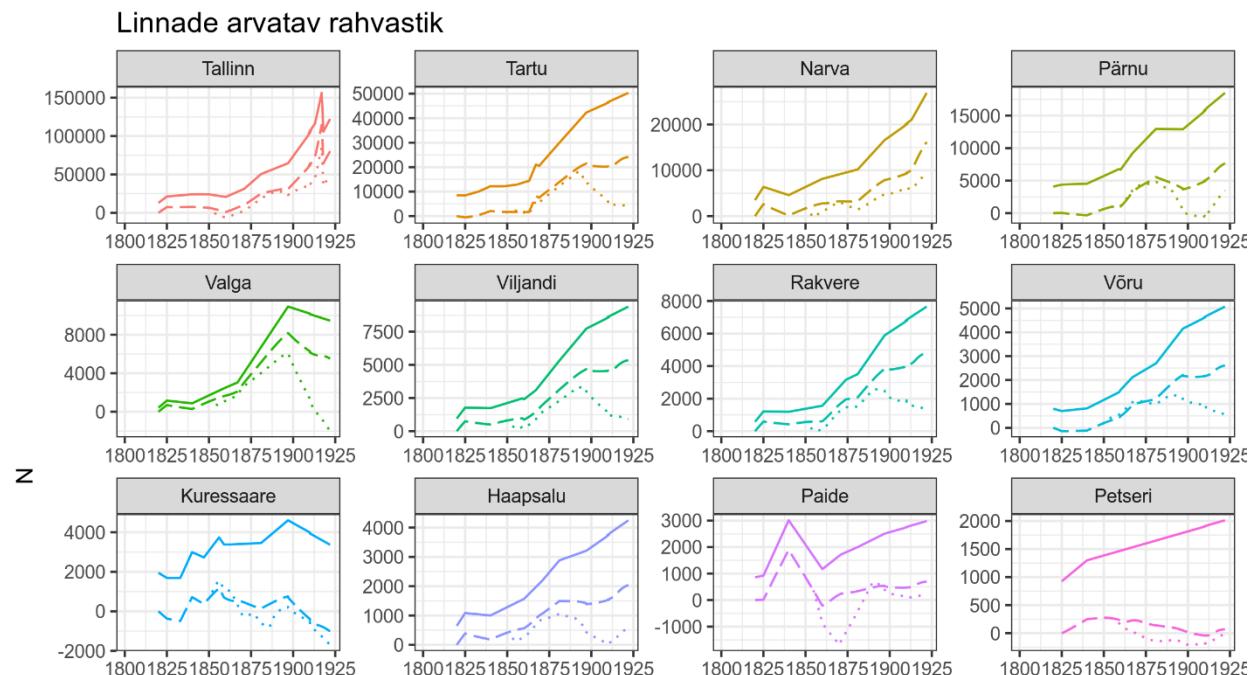
Estonian speaker population grew 2.5x

City population grew 4-6x times



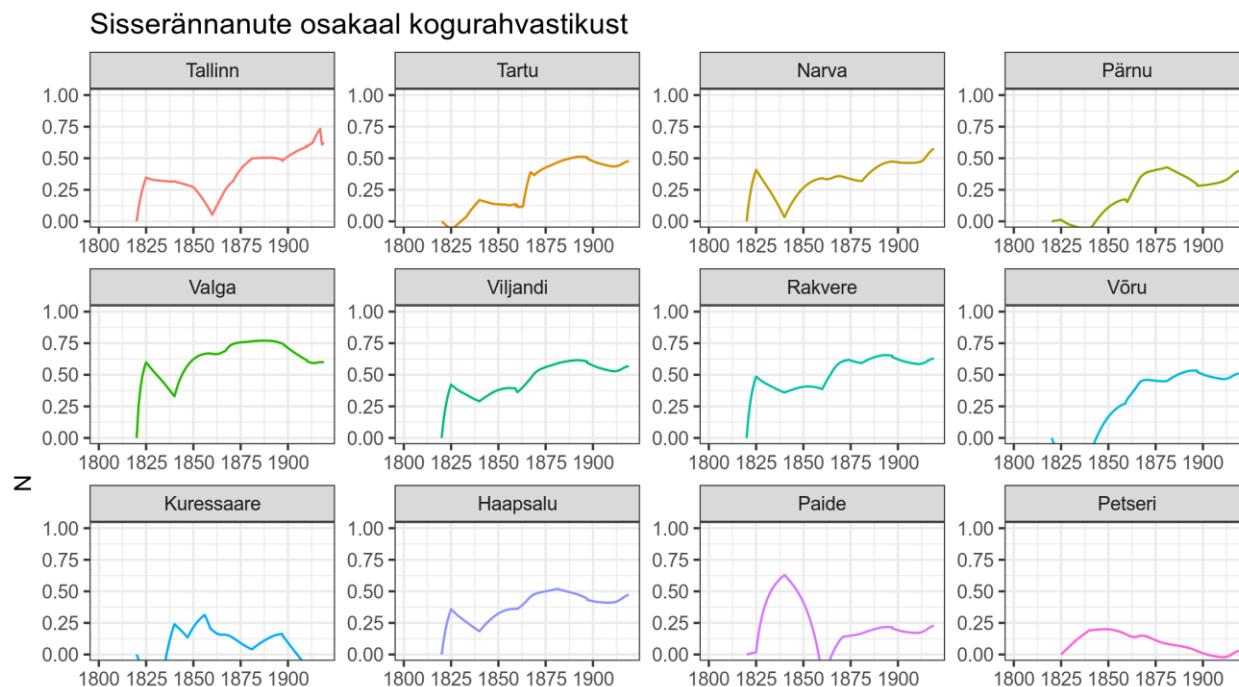
Residual migration

Residual migration = recorded growth – natural growth
>50% migrants in most cities by 1900



Migrants in cities

Residual migration = recorded growth – natural growth
>50% migrants in most cities by 1900



Patterns of migration

Census in 1922 also asked about birthplace

EESTI RIIKLINE STATISTIKA

1922 a.

ÜLDRAHV ALUGEMISE ANDMED

VIHK X

TARTU ja VALGA MAAKONNAD

RÉSULTATS DU RECENSEMENT DE 1922

TOME X

ARRONDISSEMENTS TARTU ET VALGA

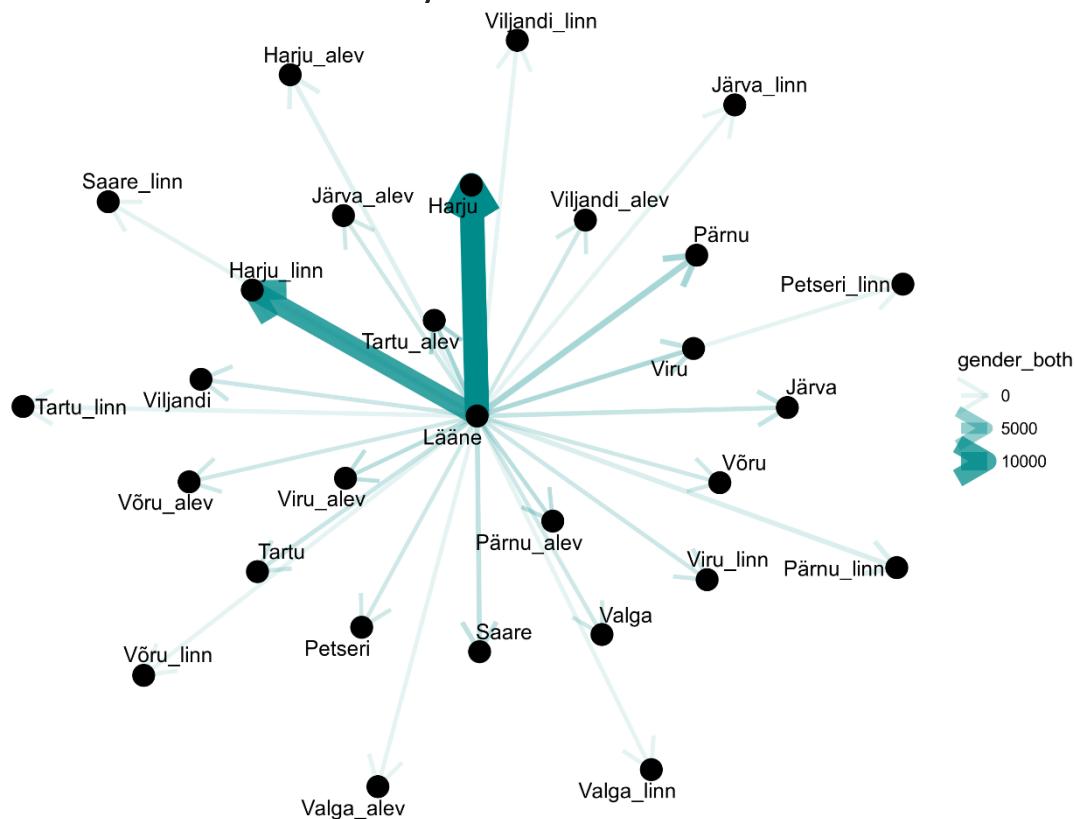
50 TARTU ja VALGA mks

Tab. 8 (järg) —

| | Sama maakond — Le même arrondis. | | | | | | | | | | | | Teised maakonnad — | | | | | | | | |
|------------------------------|---|-------|-------------------------------|------|---|-------|--|-----|------|------|-------|-----|--------------------|-----|-------|-----|-------|-----|----|---|---|
| | Sama adm. üksus La même unité admin. | | Linn ehk ville ou bourg | | Alevik ehk vald commune rurale | | Adm. üksus tead. L'unité admin. inconnue | | Viru | | Järva | | Harju | | Lääne | | Saare | | | | |
| | M. | | N. | | M. | | N. | | M. | | N. | | M. | | N. | | M. | | N. | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | | | |
| VALLAD—Com. rurales: | | | | | | | | | | | | | | | | | | | | | |
| 53. Roela | 605 | 658 | 9 | 11 | 241 | 354 | — | — | 8 | 15 | 4 | 2 | 3 | 4 | — | — | 1 | — | 1 | — | |
| 54. Ropka | 239 | 241 | 95 | 116 | 380 | 441 | 3 | 1 | 15 | 11 | 1 | 3 | 10 | 8 | 2 | 3 | 1 | 3 | 1 | 3 | |
| 55. Rõngu | 490 | 548 | 21 | 22 | 305 | 372 | — | 3 | 2 | 1 | — | 1 | — | 3 | — | 1 | — | 1 | — | 1 | |
| 56. Saadjärve | 370 | 386 | 58 | 53 | 378 | 457 | — | 1 | 6 | 6 | 2 | 11 | 4 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 57. Saare | 534 | 564 | 3 | 9 | 223 | 305 | 3 | — | 4 | 7 | 2 | 1 | 4 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | |
| 58. Sootaga | 435 | 442 | 53 | 51 | 262 | 327 | — | — | 8 | 3 | 1 | 4 | 2 | — | — | — | — | — | — | — | |
| 59. Tammistu | 179 | 175 | 19 | 21 | 222 | 251 | — | — | — | 2 | — | 2 | — | 2 | — | — | — | — | — | — | |
| 60. Tähtvere | 380 | 386 | 55 | 69 | 318 | 408 | 2 | 2 | 4 | 8 | 2 | 2 | 3 | — | — | 4 | — | 1 | — | 1 | |
| 61. Uderma | 222 | 186 | 44 | 53 | 365 | 438 | 2 | — | 6 | 10 | 3 | 5 | 12 | 6 | 1 | 1 | 2 | 2 | 2 | 2 | |
| Sellest Elva al. osu | 163 | 86 | 34 | 42 | 229 | 254 | 2 | — | 6 | 9 | 2 | 4 | 11 | 6 | 1 | — | 2 | — | 1 | — | 2 |
| 62. Ülija | 293 | 198 | 19 | 26 | 190 | 265 | — | — | 2 | 2 | — | — | — | — | — | — | — | — | — | — | — |
| 63. Vaimastvere | 422 | 413 | 19 | 14 | 154 | 187 | 2 | 3 | 60 | 70 | 29 | 34 | 6 | 7 | — | — | 1 | — | 1 | — | 2 |
| 64. Valguta | 416 | 434 | 14 | 15 | 175 | 261 | — | — | — | 1 | 2 | 2 | 4 | 1 | — | — | — | — | — | — | — |
| 65. Vara | 344 | 355 | 26 | 21 | 240 | 292 | 1 | — | 2 | 1 | 1 | 3 | 2 | — | — | — | — | — | — | — | — |
| 66. Vesneri | 190 | 148 | 20 | 25 | 197 | 267 | — | — | 1 | 2 | — | — | 1 | 1 | 1 | 1 | 2 | — | — | 2 | — |
| 67. Vorbuse | 42 | 59 | 13 | 15 | 81 | 78 | — | — | — | 1 | 3 | — | 1 | — | — | — | — | — | — | — | — |
| 68. Votikvere (Torma) | 1150 | 1151 | 29 | 35 | 391 | 511 | 1 | 6 | 33 | 21 | 2 | 4 | 9 | 9 | — | 1 | 4 | — | 1 | — | 1 |
| Sellest Lallikatu alev. | 89 | 89 | — | — | 26 | 38 | — | 4 | 1 | — | — | — | — | — | — | — | — | — | — | — | — |
| ÜLDARVUD — Totaux: | | | | | | | | | | | | | | | | | | | | | |
| 1. Linn — Ville | 7104 | 8359 | 50 | 109 | 7703 | 10735 | 26 | 40 | 831 | 530 | 117 | 173 | 317 | 381 | 82 | 98 | 106 | 115 | — | — | — |
| 2. Alevid — Bourgs | 1807 | 1995 | 67 | 77 | 856 | 1222 | 2 | 4 | 48 | 73 | 17 | 19 | 28 | 33 | 2 | 5 | 3 | 2 | — | — | — |
| 3. Linn jaal. — V. et bourgs | 8911 | 10354 | 117 | 186 | 8559 | 11957 | 28 | 44 | 379 | 603 | 134 | 192 | 345 | 414 | 84 | 103 | 109 | 117 | — | — | — |
| 4. Vall. (ühes al.) — Com. | 33156 | 34022 | 1490 | 1843 | 14852 | 19610 | 85 | 74 | 462 | 623 | 134 | 178 | 175 | 187 | 43 | 48 | 49 | 57 | — | — | — |
| 5. Vall. ja al. — B. et com. | 34963 | 36017 | 1557 | 1920 | 5708 | 20832 | 87 | 78 | 510 | 696 | 151 | 197 | 203 | 220 | 45 | 53 | 52 | 59 | — | — | — |
| 6. Üld mdkd. — Gr. total | 42067 | 44376 | 1607 | 2029 | 23411 | 30267 | 113 | 118 | 841 | 1226 | 268 | 370 | 520 | 601 | 127 | 151 | 158 | 174 | — | — | — |

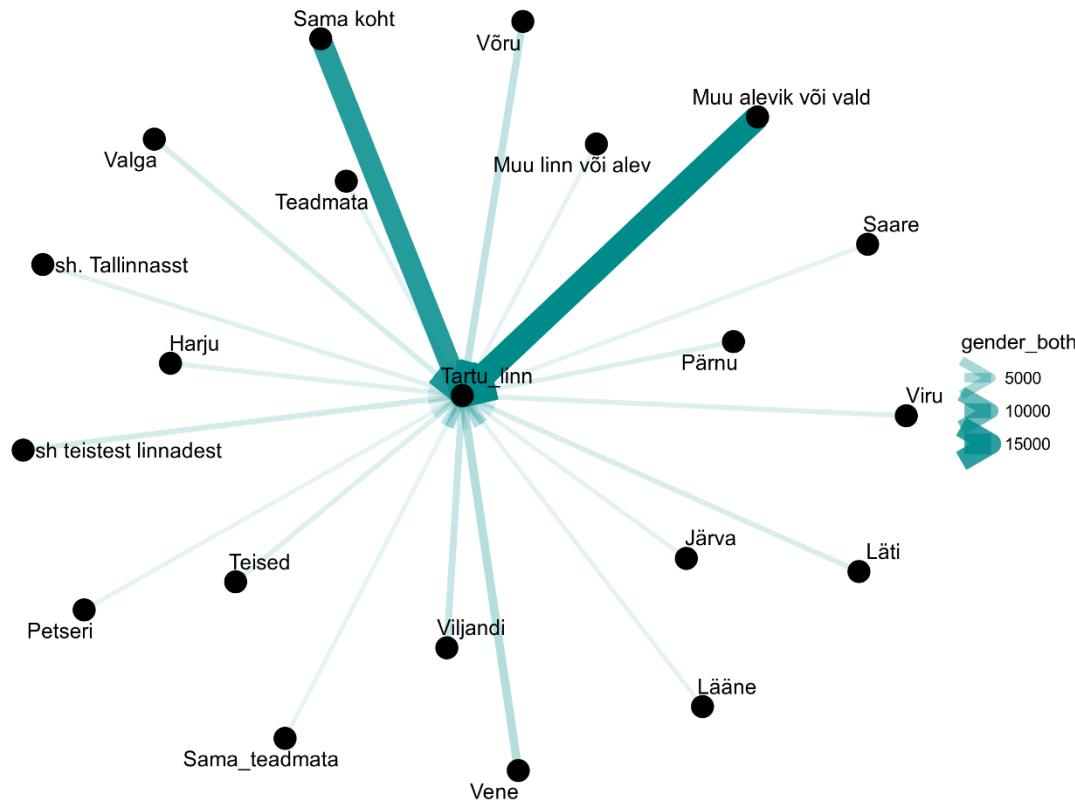
Migration patterns

Migrants out of Läänemaa by 1922



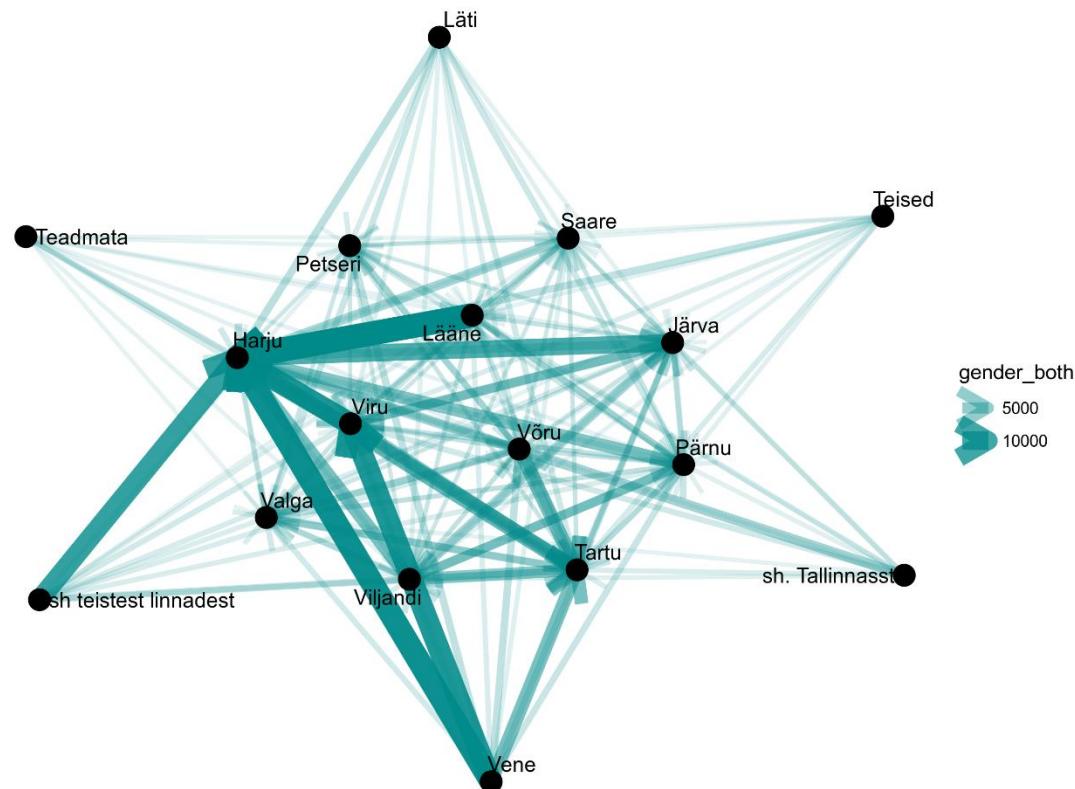
Migration patterns

Places of origin for Tartu inhabitants in 1922.



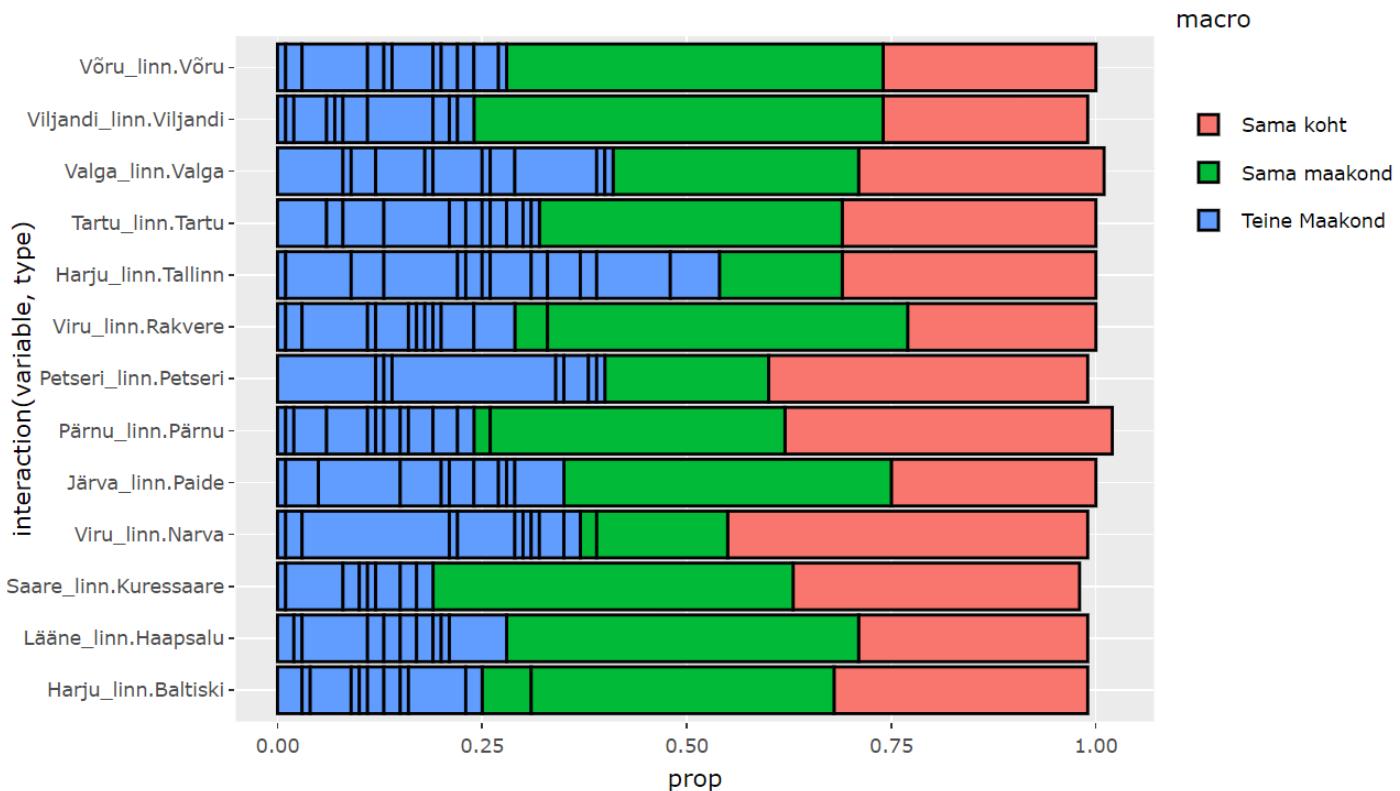
Migration patterns

Migration between counties by 1922.



Migration in cities

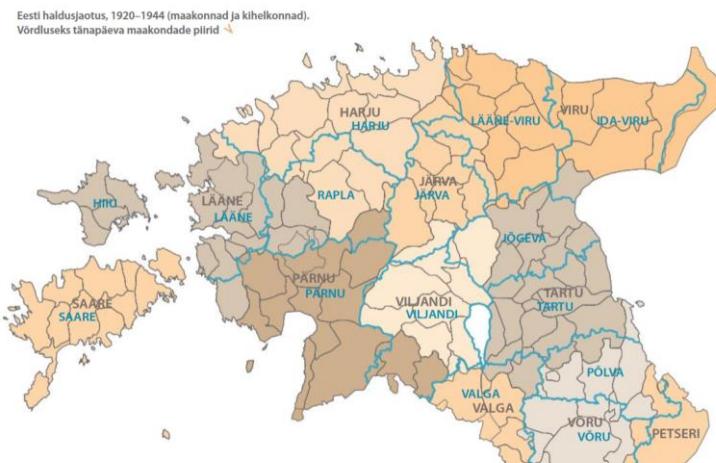
Migration origins (red=same place, green=same county, blue=other county)



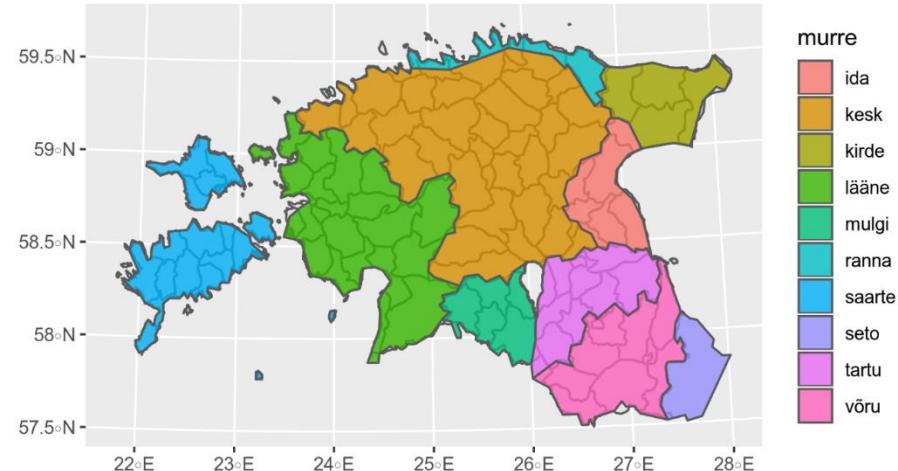
Migration and dialects

Admin areas don't match dialect areas exactly

Combine the maps to get proportions of people



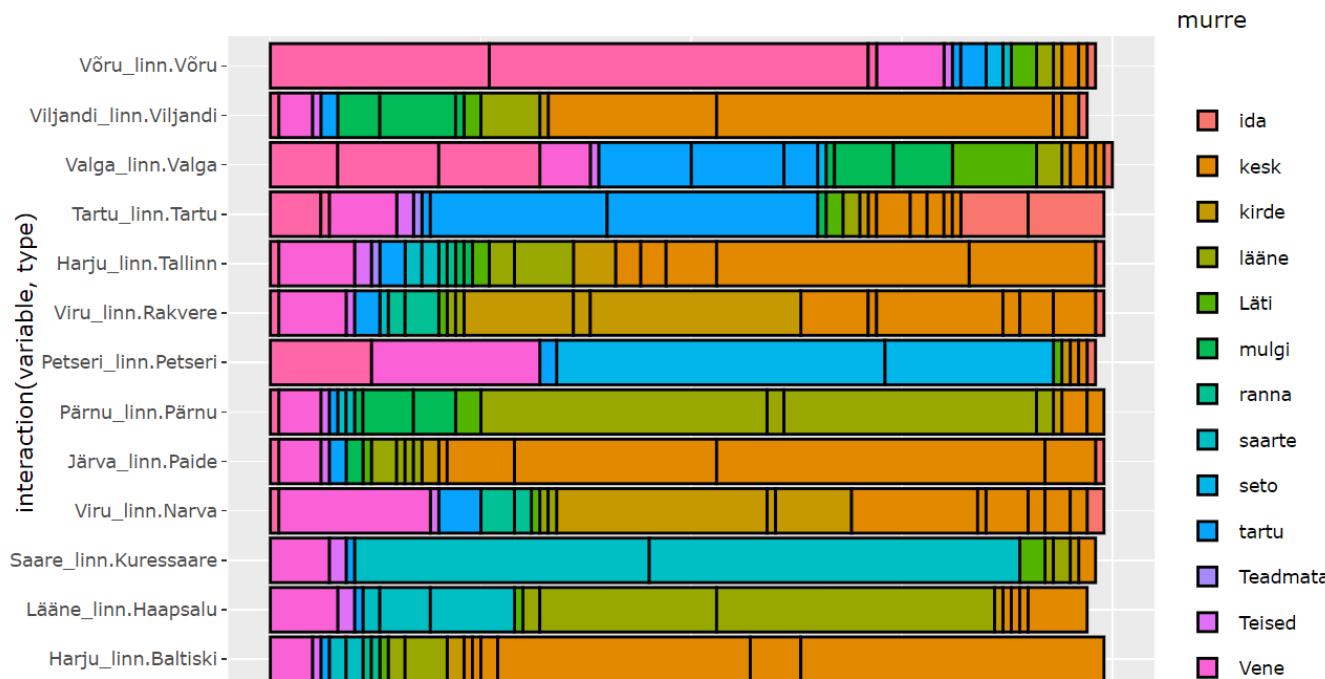
68 Kümm Estonia rahvaloendust



Ränne ja murded

Despite large urbanization and railroads, immigrants mostly come from same dialect area

Few cities between dialect areas (Rakvere, Valga) and industrializing cities (Narva) get migrants from neighbor dialects



The growing written language community

Written language contacts

Number of works?

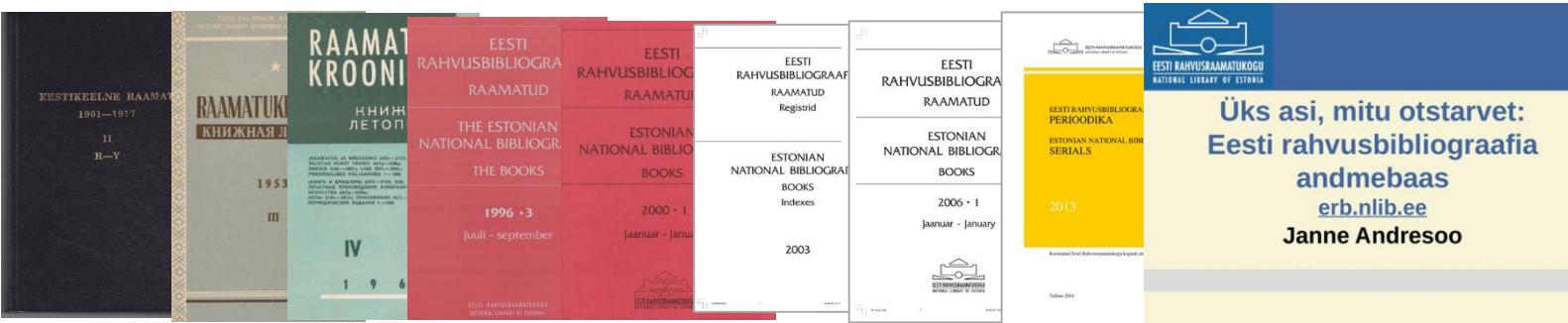
Number of authors?

Dialects mixture?

Estonian National Bibliography

| RecordNumber | c | aeg | koht | kirjastus | title |
|--------------|-----------------|------|----------|--|--|
| 115097 | \$c[1894] | 1894 | Narva | R. PÜuder, | Tumm armastaja : |
| 115134 | \$c[1894] | 1894 | Paide | A. Seidelberg, | Saardami tõtélimees : |
| 115406 | \$c1894 | 1894 | Viljandi | Viljandi Eesti Karskuse Selts "Vabadus", | Kolm esimest elu-aastat : |
| 115679 | \$c1894 | 1894 | Tallinn | A. Busch, | Wileteistkõmme aastane kapten / |
| 115739 | \$c1894 | 1894 | Tallinn | A. Brandt, | Willem ja Luise ehk Čunnetu ja Čunnelik perekon |
| 115891 | \$c1894] | 1894 | Tallinn | s.n., | Eeskirjad Čilemaltaurahwa ja walla kohtute Talli |
| 116002 | \$c1894 | 1894 | Jurjev | H. Laakmann, | Weike mleepajutaja : |
| 116089 | \$c[tsns. 1894] | 1894 | Riia | Paltimaa Čigeusu vennaste-selts, | Čepetus Čuigest usust : |

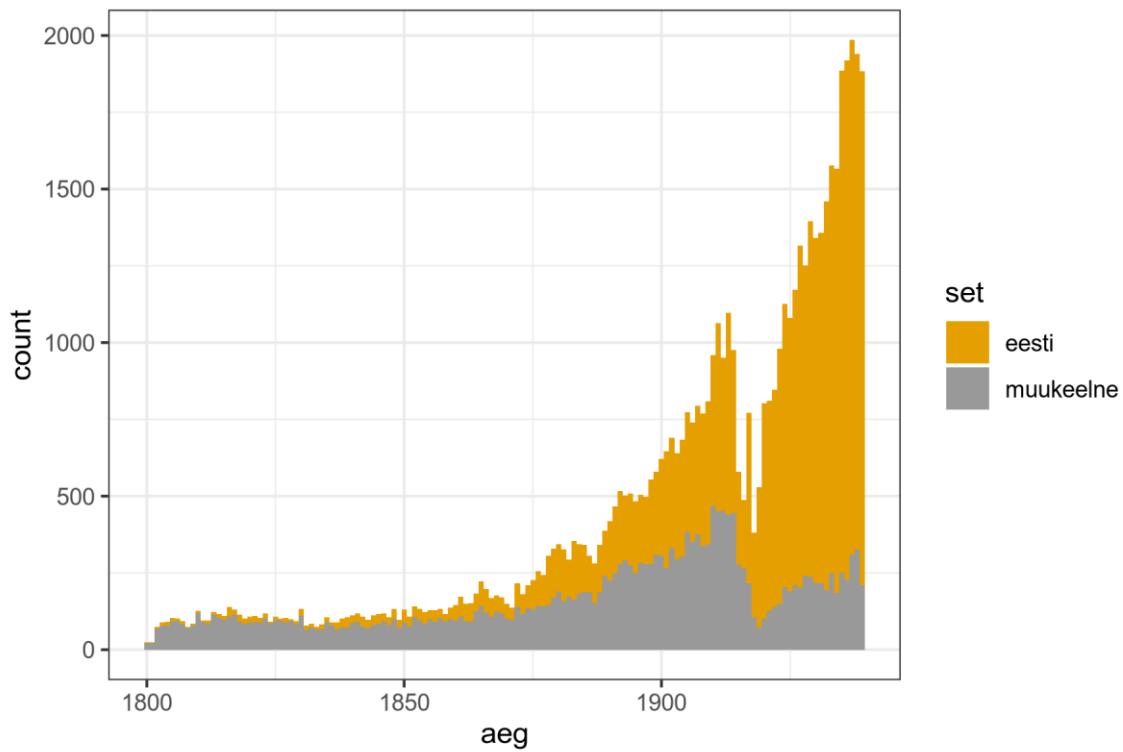
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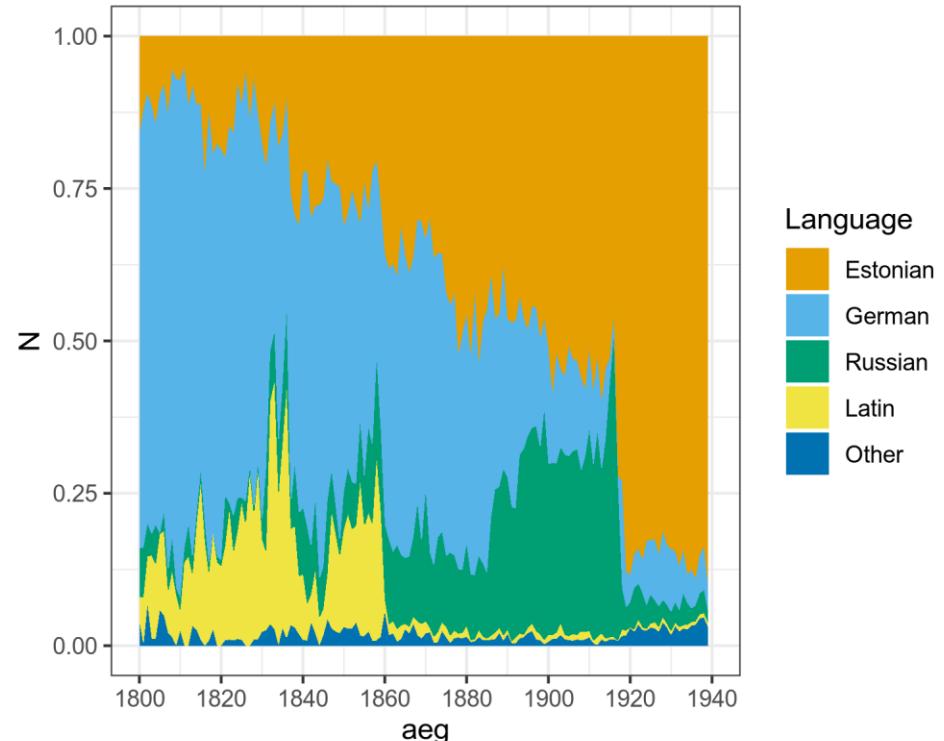
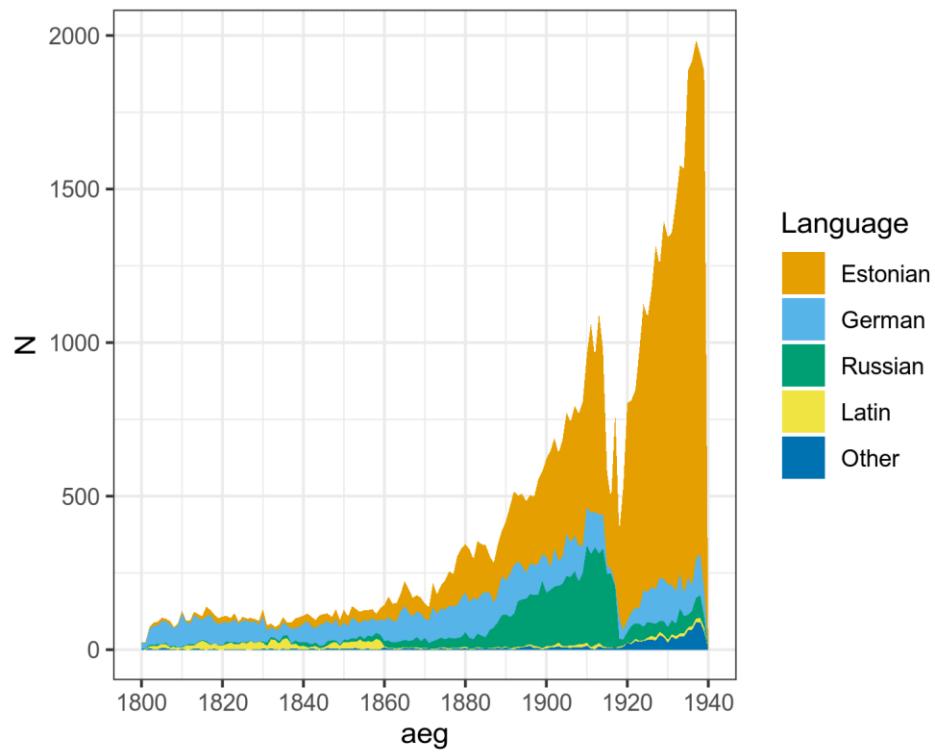
839. Kord Vihalemm elas Ystadis : Arvo Mägi ja Arno Vihamäma kirjavahetus 1955-1959 / [koostanud ja kommenteerinud Pirte Noorhani ; toimetanud Kristi Metste ; Arno Vihamäma illustratsioonid]. - Tartu : Eesti Kirjandusmuuseum, 2000 (Tartu : Guttenberg). - 257 lk, 4 l. ill.; 21 cm. - Sisaldb registrit. ISBN 9985-9286-8-7
 UDK 821.511.113-6 ; 821.511.113 (092)(044); 76.071.1(474.2)(044)

Eesti rahvusbibliograafia. Raamatud. 2001, #3, p.40.

Growth of the community



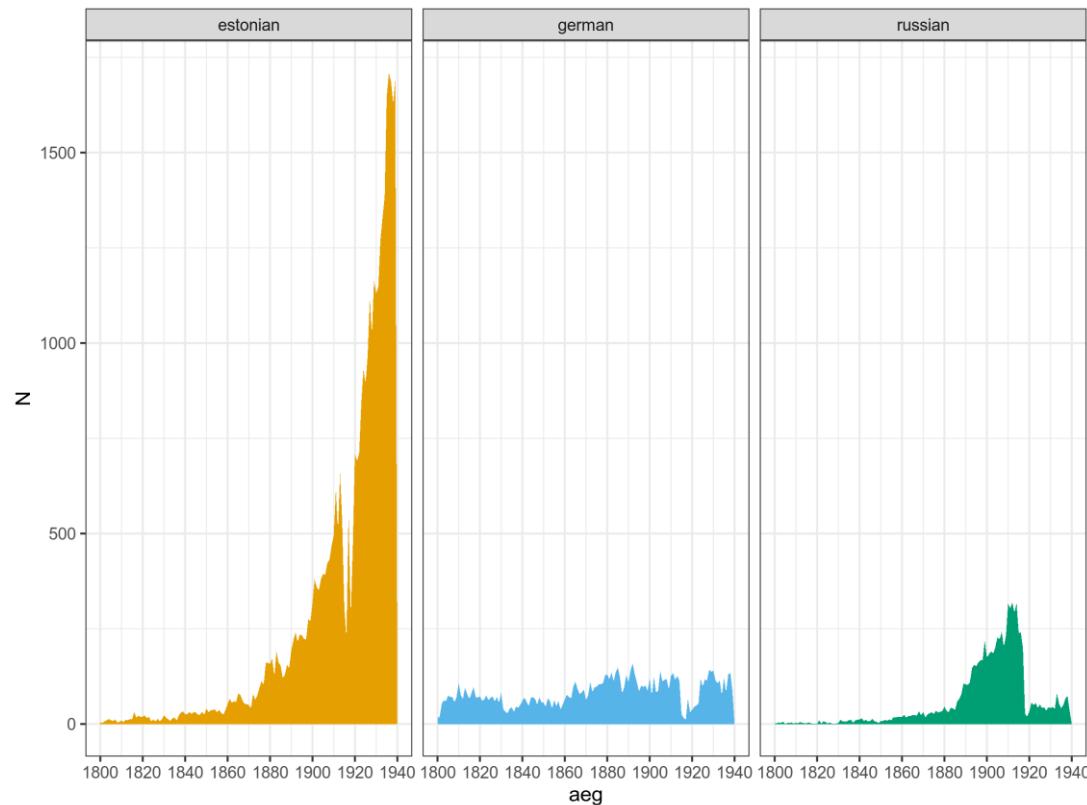
Languages in community



Languages in community

Estonian grows steadily – impact of Russianization is small

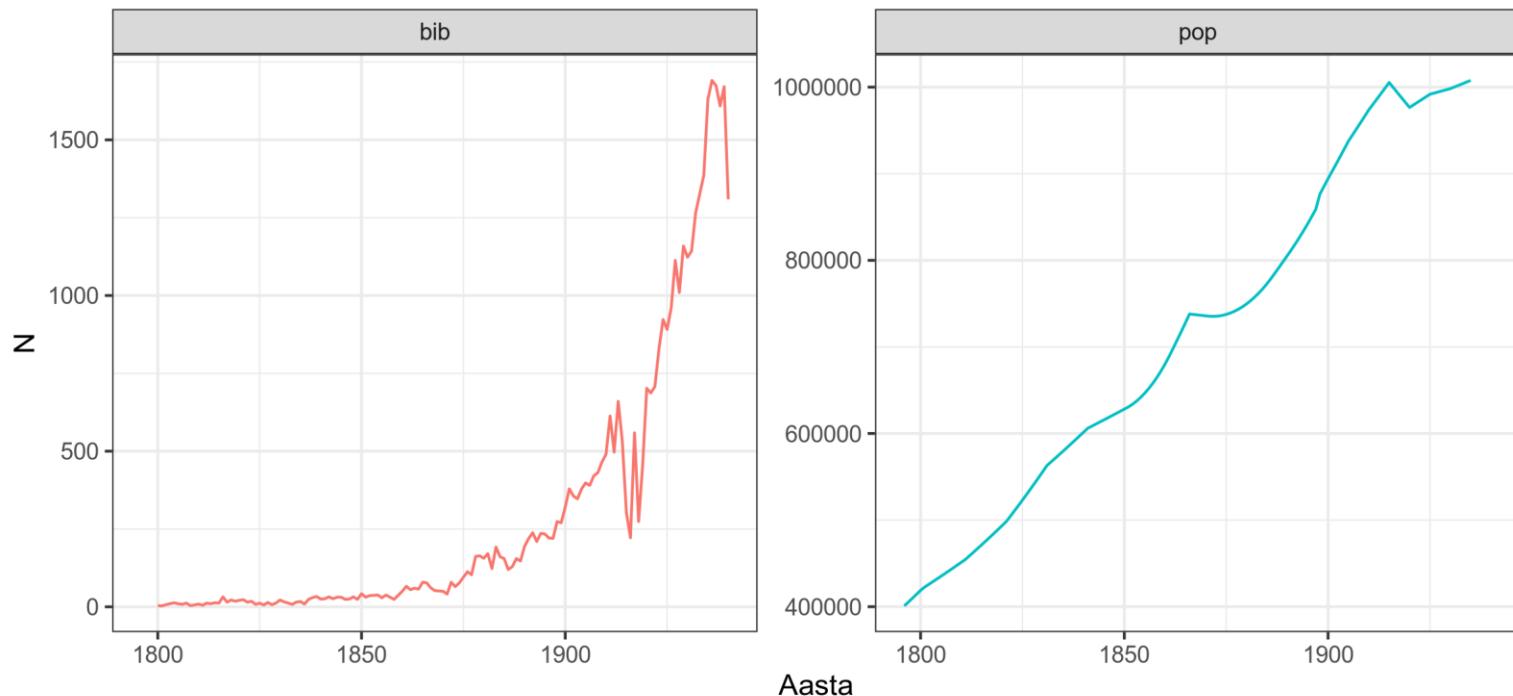
German is stable, Russian grows during Russianization



Population and publications

Growth in population and publications

Eestikeelsed raamatud ja eestlasted

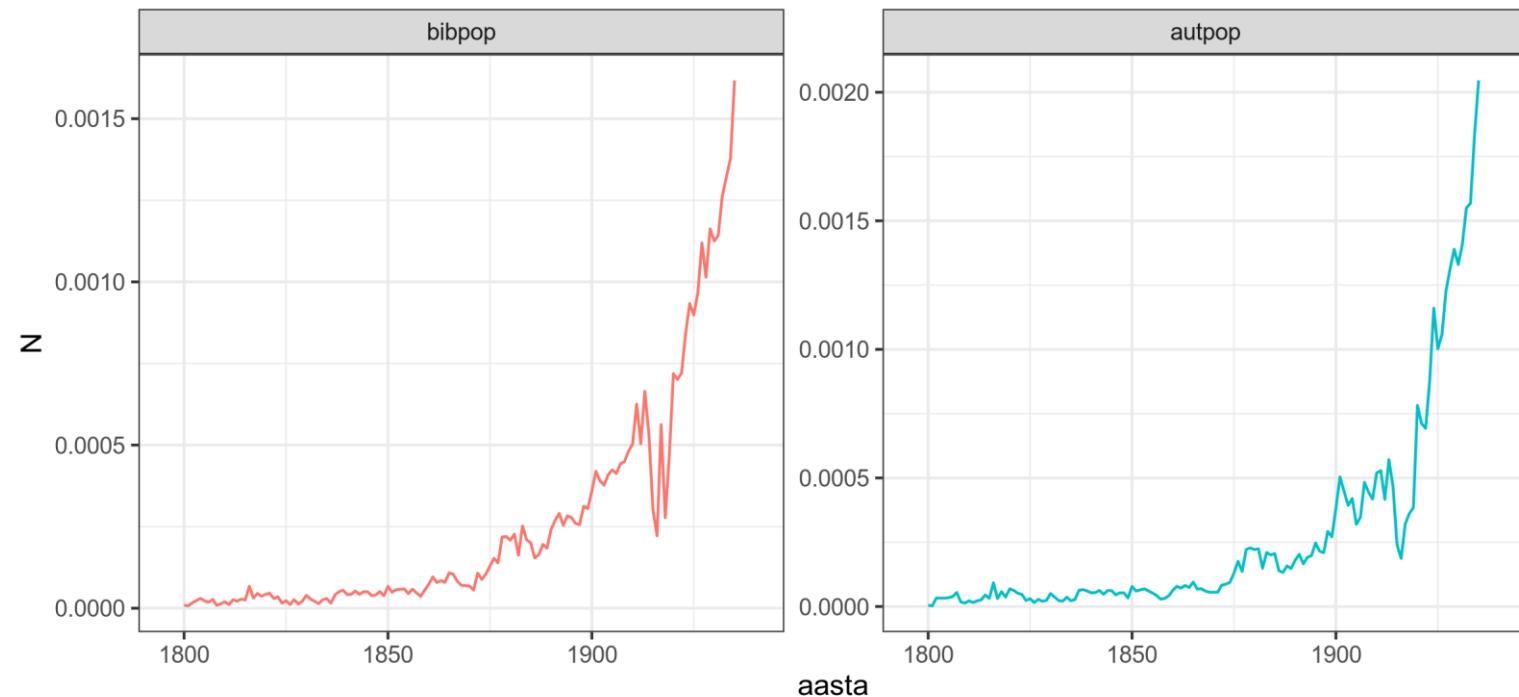


Books/authors per capita

Growth in publications and people per capita

Doubles every ~20 years

Raamatuid ja aktiivset kirjarahvast inimese kohta



Books/authors per capita

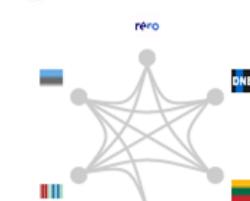
Why this is interesting

Growth = many new people (new to community)

System likely to move towards their preferences

E.g native dialect of writer

Linked biographies



Julius Aamisepp (Q1236553)

| In more languages | | | |
|-------------------|------------------------------|------------------------|-----------------|
| Language | Label | Description | Also known as |
| English | Julius Aamisepp | No description defined | |
| Estonian | Julius Aamisepp | No description defined | Juulus Aamisepp |
| Russian | Аамисепп, Юльус Симонович | No description defined | |
| Finnish | No label defined | No description defined | |

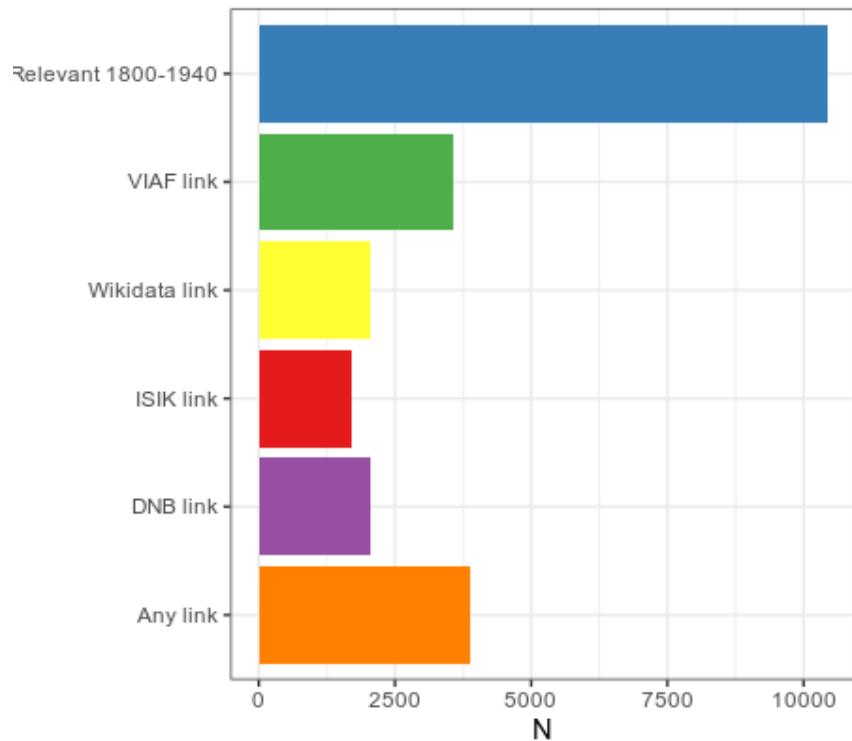
All entered languages

Statements

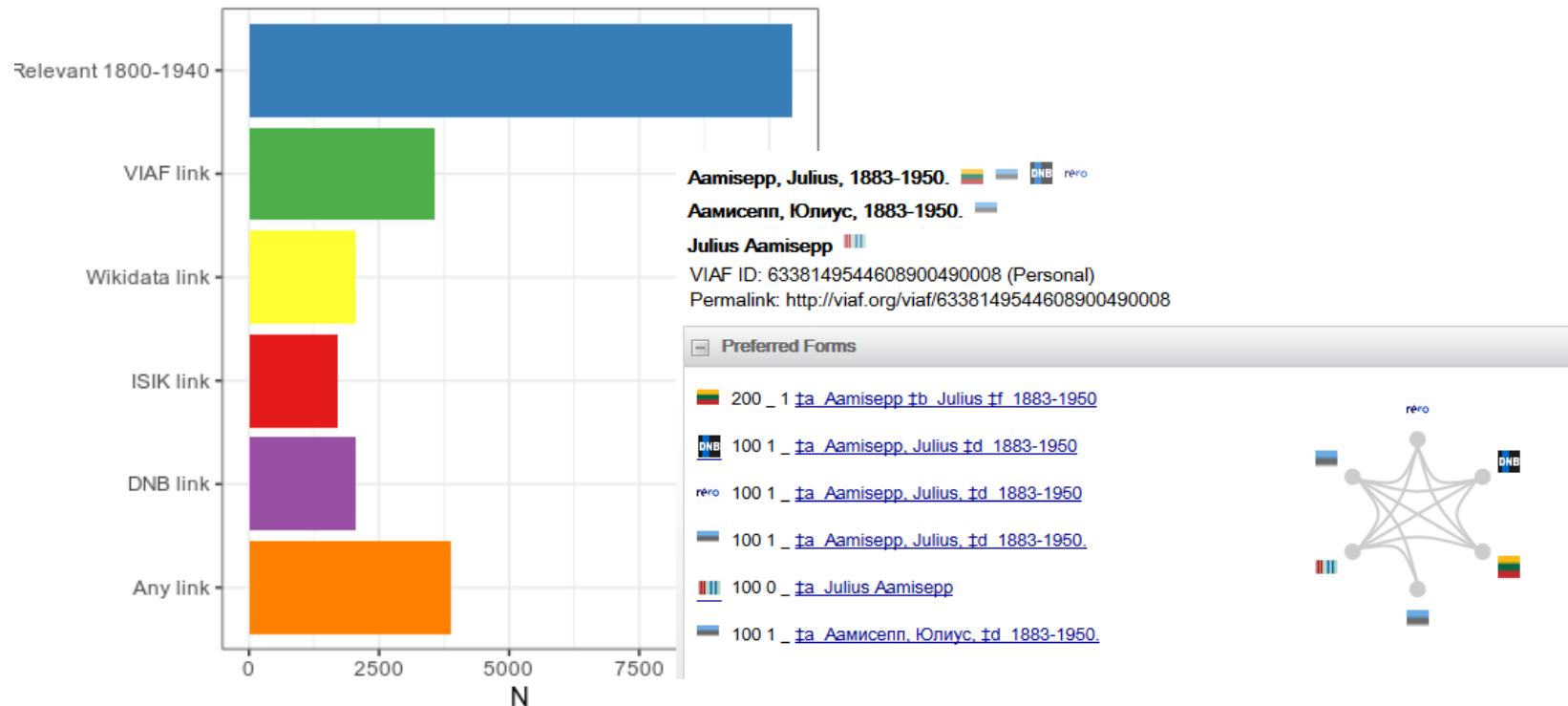
| | |
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| instance of | human |
|-------------|-------|



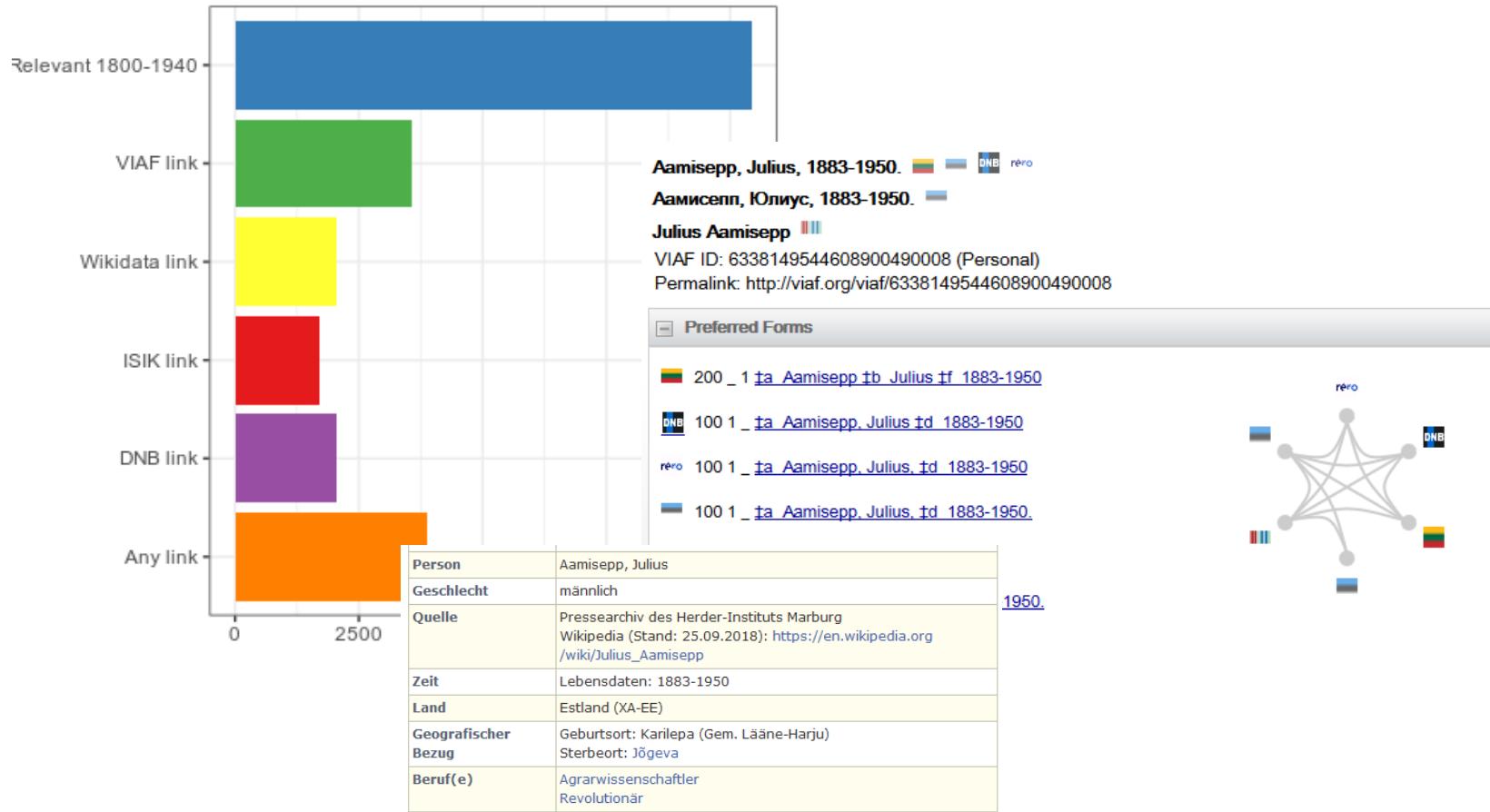
Linking metainfo



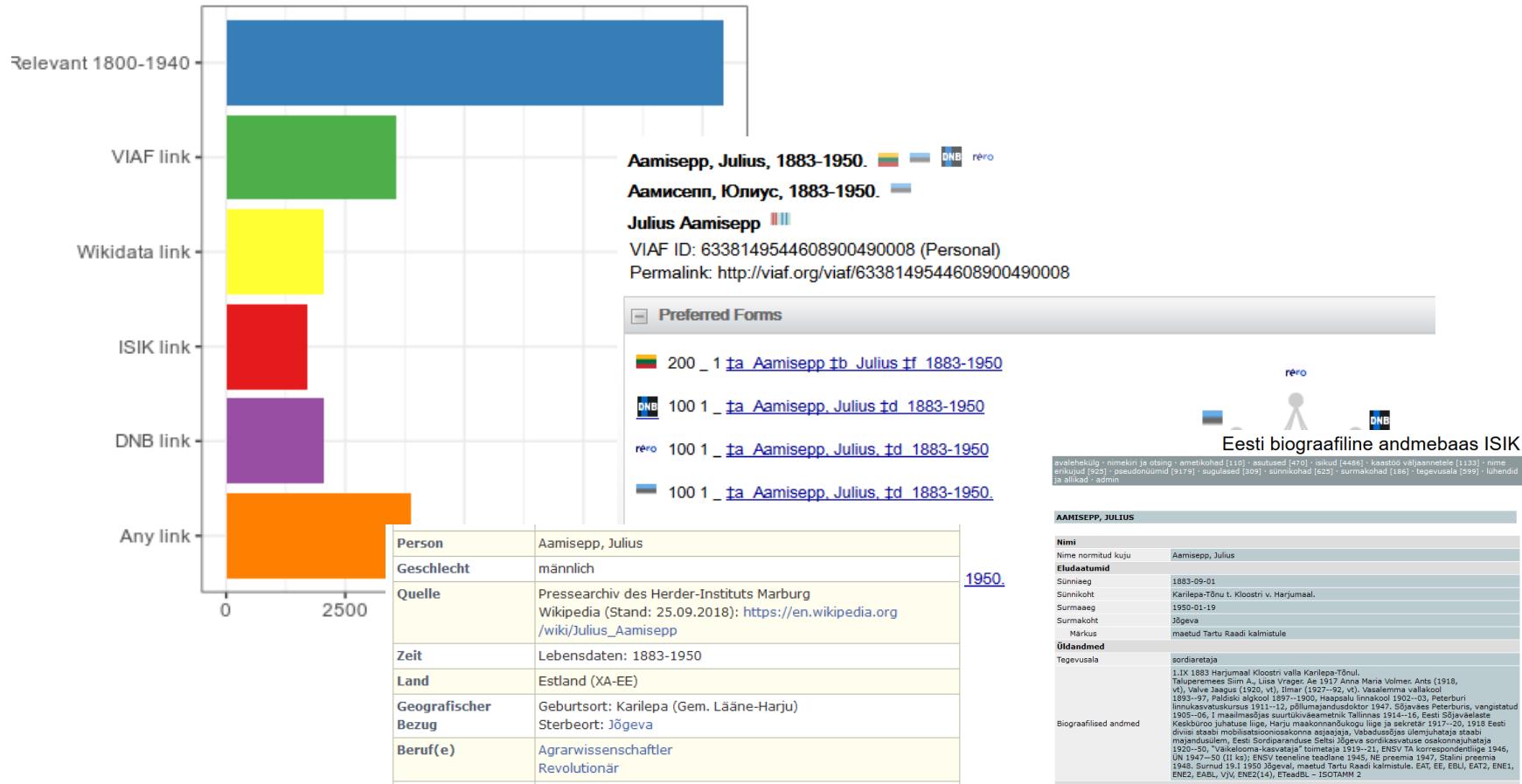
Linking metainfo



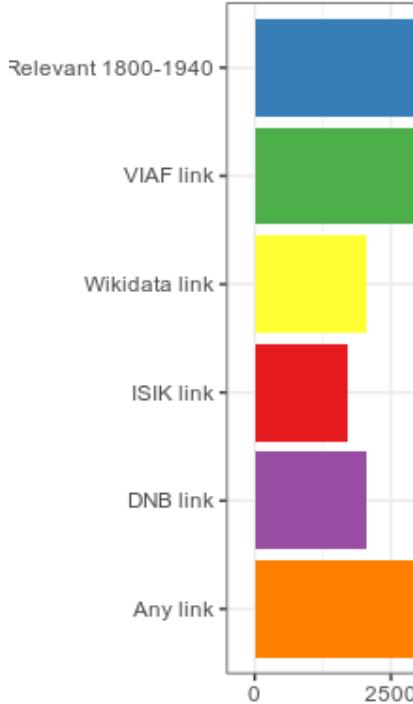
Linking metainfo



Linking metainfo



Linking metainfo



| | |
|----------------------------|---|
| Person | Aamisepp, Julius |
| Geschlecht | männlich |
| Quelle | Pressearchiv des Herder-Instituts Marburg Wikipedia (Stand: 25.09.2018): https://en.wikipedia.org/wiki/Julius_Aamisepp |
| Zeit | Lebensdaten: 1883-1950 |
| Land | Estland (XA-EE) |
| Geografischer Bezug | Geburtsort: Karilepa (Gem. Lääne-Harju) Sterbeort: Jõgeva |
| Beruf(e) | Agrarwissenschaftler Revolutionär |



Esileht

Artikel

Arutelu

Vaata

Muuda

Muud lähiteksti

Näita ajalugu

Otsi Vikipeediat

Sisse logimata Arutelu Kaastöö Loo konto Logi:

Julius Aamisepp

Julius Aamisepp (1. september (vkj) 20. august) 1883 Harjumaa, Kloostr vald, Karilepa, Karlepa-Tõnu talu – 19. jaanuar 1950 Jõgeva) oli eesti sordiaretaja.

Aamisepp, Julius, 1883-1950.

Аамисепп, Юлиус, 1883-1950.

Julius Aamisepp

VIAF ID: 6338149544608900490008 (Personal)

Permalink: <http://viaf.org/viaf/6338149544608900490008>

Preferred Forms

200 _ 1 [ta Aamisepp tb Julius tt 1883-1950](#)

100 1 _ [ta Aamisepp, Julius td 1883-1950](#)

100 1 _ [ta Aamisepp, Julius, td 1883-1950](#)

100 1 _ [ta Aamisepp, Julius, td 1883-1950](#)

rero

DNB

Eesti biograafiline andmebaas ISIK

eavalehekulug - nimekirja ja otsingu - ametikohad [110] - asutustused [470] - isikud [4486] - kaastöö väljaannetele [1133] - nime eriakujud [925] - pseudonüümid [9179] - sugulased [309] - sunnikohad [625] - surmakkohad [186] - tegevusala [599] - luhenud ja alkukad - admin

AAMISEPP, JULIUS

Nimi

Nime normitud kuju [Aamisepp, Julius](#)

Elusaatumid

Sünneeg [1883-09-01](#)

Sünnikoh [Karilepa-Tõnu t. Kloostr v. Harjumaa](#)

Surmaeg [1950-01-19](#)

Surmakoh [Jõgeva](#)

Markus [maetud Tartu Raadi kalmistule](#)

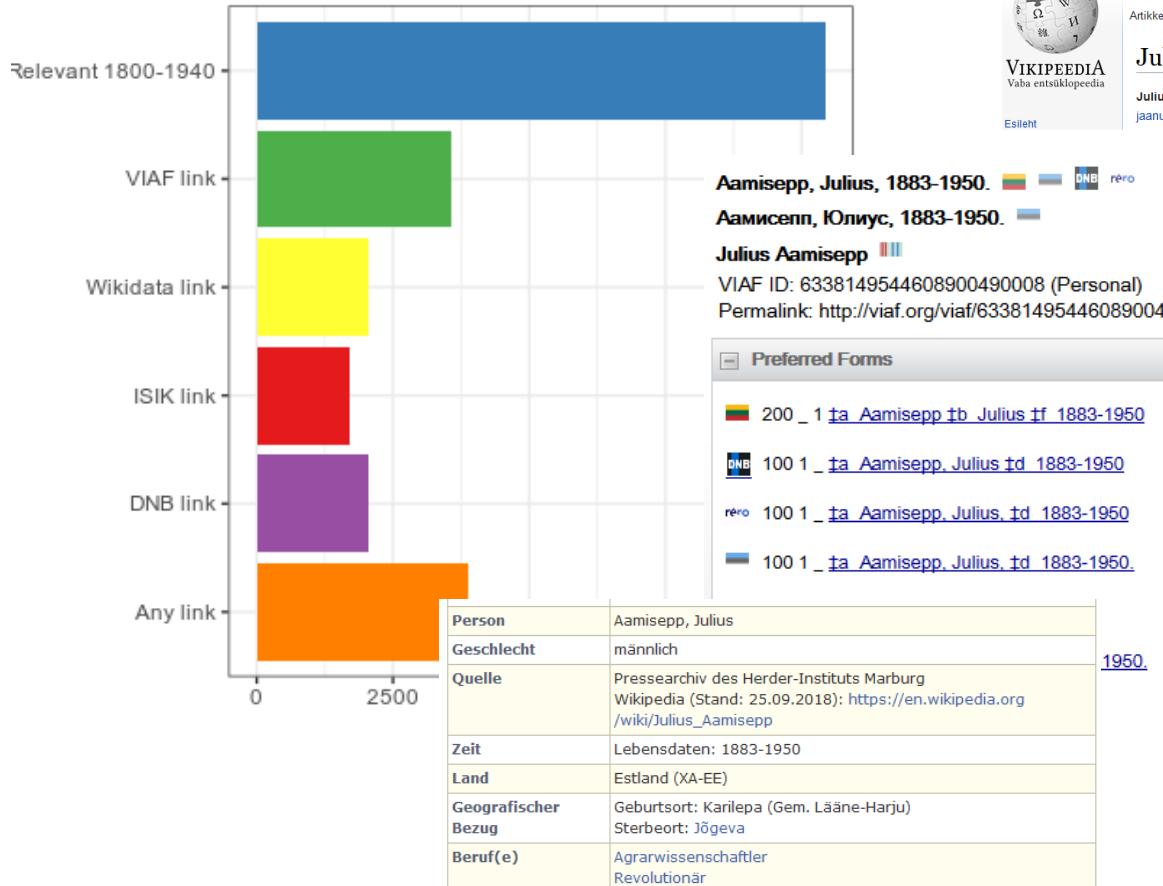
Üldandmed

Tegevusala

[sordiaretaja](#)

1.IX 1883 Harjumaa (Kloost valla Kõrvepa -Tõnu -
Kõrvepa mõis Sima A., läbir Vägter. As 1917 Anna Maria Volmar: Ants (1918,
vt), Volvo Jaagus (1920, vt), Ilmar (1927-52, vt). Vesalemma valgakool
1893-97, Paljuse algkool 1897-1900, Haapsalu linnakool 1902-03, Peterbur
linnakeskool 1911-12, püfülmasanduskoog 1914-15, Sosiaal-Peasant, vengistatud
1920-21, mõisnik 1921-22, Tõnumaa 1921-16, Eesti Sõjaväelaste
Keskülioos juhatuse liige, Harju maakonnamõisukoog liige ja sekretär 1917-20, 1918 Eesti
divisi staabi mõisnik, 1919-20 Eesti üksikasjade, Vibesõssides ülemjuhtaja staabi
mõisnik, 1920-21 Eesti Sõrdipäevade komitee liige, 1920-21 sordiaretaja, 1920-21
1920-50, "Väikelooma-kasvatja" toimetaja 1919-21, ENSV TA korrespondentiluge 1946,
UN 1947-50 (II ks), ENSV teeneline teadlane 1945, NE preemia 1947, Stalin preemia
1948. Siinseud 19.1.1950 Jõgeval, maetud Tartu Raadi kalmistule. EAT, EE, EBU, EAT2, ENE1,
ENE2, EAB1, VJK, ENR2(14), ETeadB1 - ISOTAHMM 2

Linking metainfo



Artikel

Arutelu

Vaata

Muuda

Muuda lähiteksti

Näita ajalugu

Otsi Vikipeediat

Julius Aamisepp

Julius Aamisepp (1. september (vkj) 20. august) 1883 Harjumaa, Kloostr vald, Karlepa, Karlepa-Tõnu talu – 19. jaanuar 1950 Jõgeva) oli eesti sordiaretaja.

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| 375 | ta 1 t2 is05218 |
| 500 | 1 t0 (DE-101041096201100 t0 (DE-588)1096201100 10 http://id-nb.info/gnd/1096201100 ta Aamisepp, Ilmar td 1927-1992 t4 bezf t4 http://id-nb.info/standards/elementset/gnd/familyRelationship tw r1i Beziehung familiär t8 Beziehung familial t9 v.Sohn |
| 548 | ta 1883-1950 t4 dall f4 http://id-nb.info/standards/elementset/gnd/dateOfBirthAndDeath tw r1i Lebensdaten |
| 548 | ta 01.09.1883-19.10.1950 t4 datx 14 http://id-nb.info/standards/elementset/gnd/dateOfBirthAndDeath tw r1i Lebensdaten |
| 548 | ta 01.09.1883-19.10.1950 t4 datx 14 http://id-nb.info/standards/elementset/gnd/dateOfBirthAndDeath tw r1i Exakte Lebensdaten |
| 550 | 10 (DE-10104203194X t0 (DE-588)4203194-1 t0 http://id-nb.info/gnd/4203194-1 ta Agranwissenschaftler t4 berc 24 http://id-nb.info/standards/elementset/gnd/professionOrOccupation tw r1i Charakteristischer Beruf |
| 550 | 10 (DE-101041779436 t0 (DE-588)4177943-6 t0 http://id-nb.info/standards/elementset/gnd/professionOrOccupation tw r1i Beruf |
| 551 | ta Karilepa t4 org f4 http://id-nb.info/standards/elementset/gnd/placeOfBirth tw r1i Geburtsort 19 v.Gem. Lääne-Harju |

Eesti biograafiline andmebaas ISIK

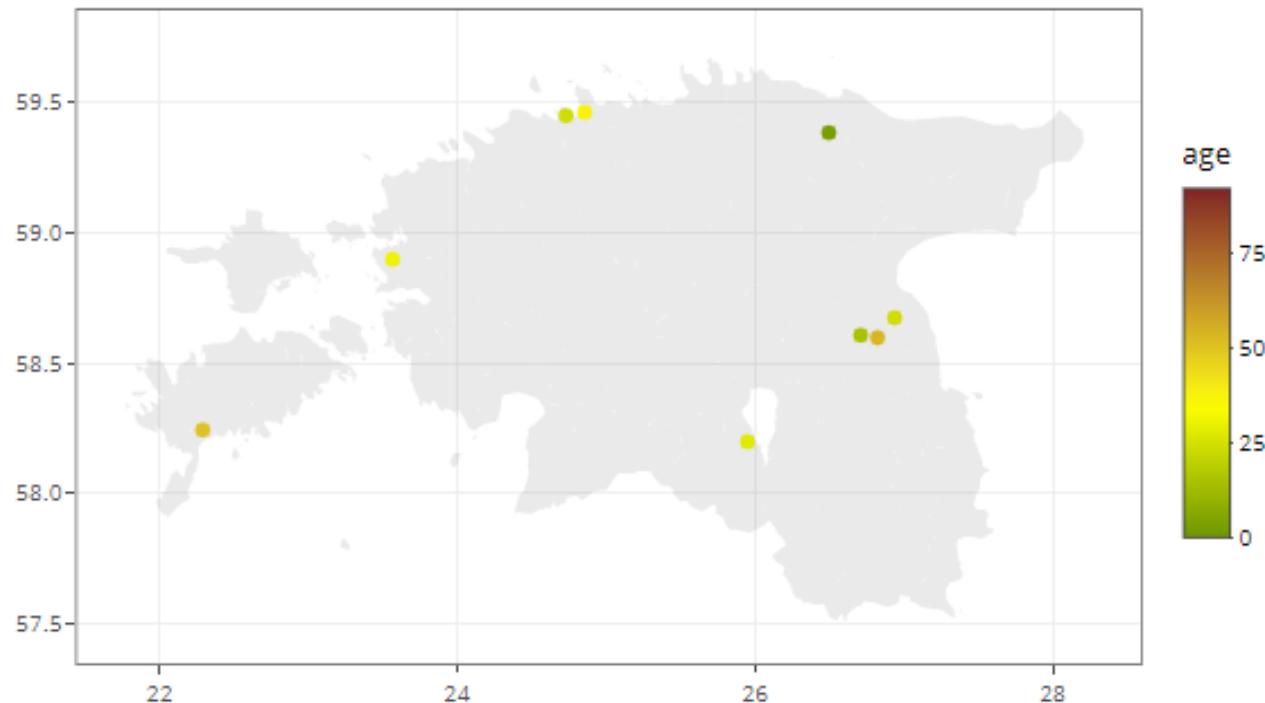
avalehekul - nimekirja ctsng - ametikohad [110] - asutused [470] - isikud [4486] - kaastöö väljannebaate [1133] - nime erikujud [925] - pseudonüümid [9179] - sugulased [309] - sunnikohad [625] - surmakkohad [186] - tegevusalat [599] - luuhind [14] - alikod - admin

AAMISEPP, JULIUS

| | |
|---------------------------|---|
| Nimi | Aamisepp, Julius |
| Nime normitud kuju | Aamisepp, Julius |
| Elulaatud | |
| Sünneeg | 1883-09-01 |
| Sünnikoh | Karilepa-Tõnu v. Kloostr v. Harjumaa. |
| Surmaeg | 1950-01-19 |
| Surmakoh | Jõgeva |
| Markus | maetud Tartu Raadi kalmistule |
| Üldandmed | |
| Tegevusalat | sordiaretaja |
| | 1.IX 1883 Harjumaa (koost. valla Karilepa-Tõnu, Pihkva maakond) sündis Sima A., läbir. Väger. As 1917 Anna Maria Volmar. Ants (1918, vt), Volvo Jaagus (1920, vt), Ilmar (1927–52, vt), Vesalemme valgakool 1893–97, Palatsi algkool 1897–1900, Haapsalu linnakool 1902–03, Peterburii linnaüksusvabrikus 1911–12, põllumaaduselus 1914–15, 1916–17 Peterburii, vengistatud 1920–21, mõisnik 1921–22, mõisnik 1923–24 Tõlliste 1924–1916, Eesti Sõjaväelaste Keskkirjutoju juhatuse liige, Harju maakonnamuusikkoju liige ja sekretär 1917–20, 1918 Eesti divisjoni staabi mõisnik, 1919–20 Eesti ühiskonnakooskonna asjaõigust, Vabariigis õlemuühitaja staabi esimees 1920–21, Eesti Sõdrapäevadele 1920–21, 1921–22, 1922–23, 1923–24, 1924–25, 1925–26, 1926–27, 1927–28, 1928–29, 1929–30, 1930–31, 1931–32, 1932–33, 1933–34, 1934–35, 1935–36, 1936–37, 1937–38, 1938–39, 1939–40, 1940–41, 1941–42, 1942–43, 1943–44, 1944–45, 1945–46, 1946–47, 1947–48, 1948–49, 1949–50, 1950–51, 1951–52, 1952–53, 1953–54, 1954–55, 1955–56, 1956–57, 1957–58, 1958–59, 1959–60, 1960–61, 1961–62, 1962–63, 1963–64, 1964–65, 1965–66, 1966–67, 1967–68, 1968–69, 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Biographies

Biographies & urbanization



[Biographies visualization link](#)

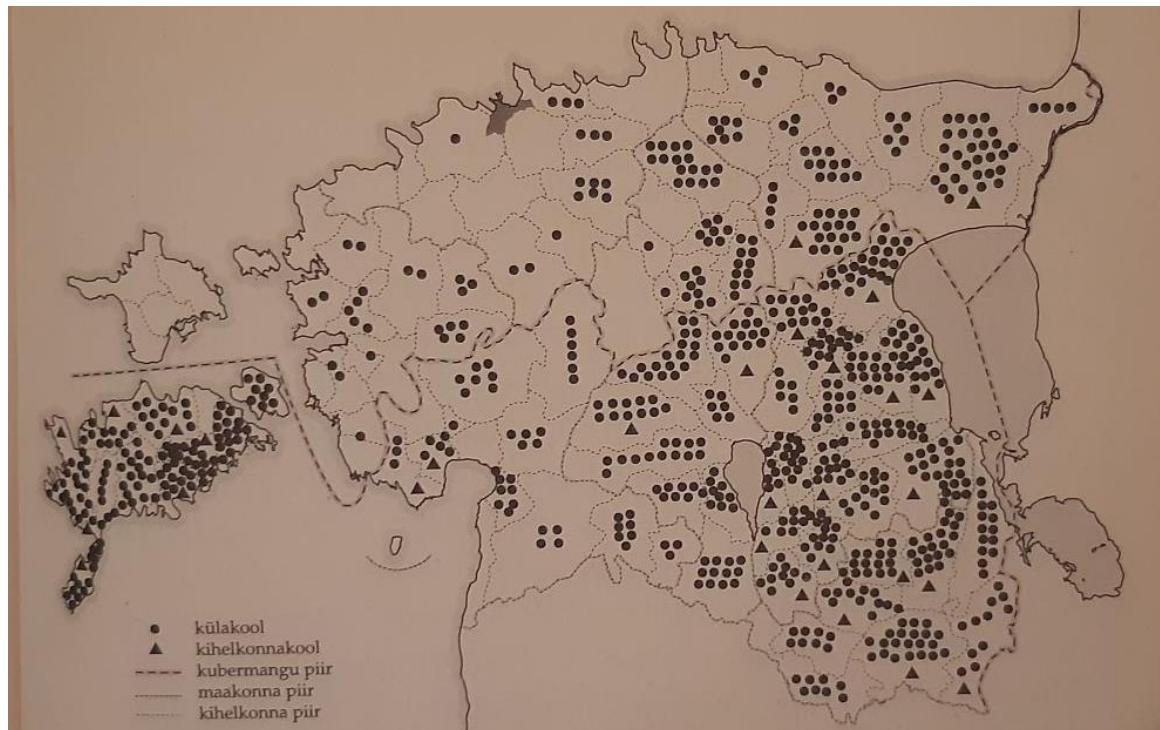
Birthplaces

By linking the data we get birthplaces



[Birthplaces visualization link](#)

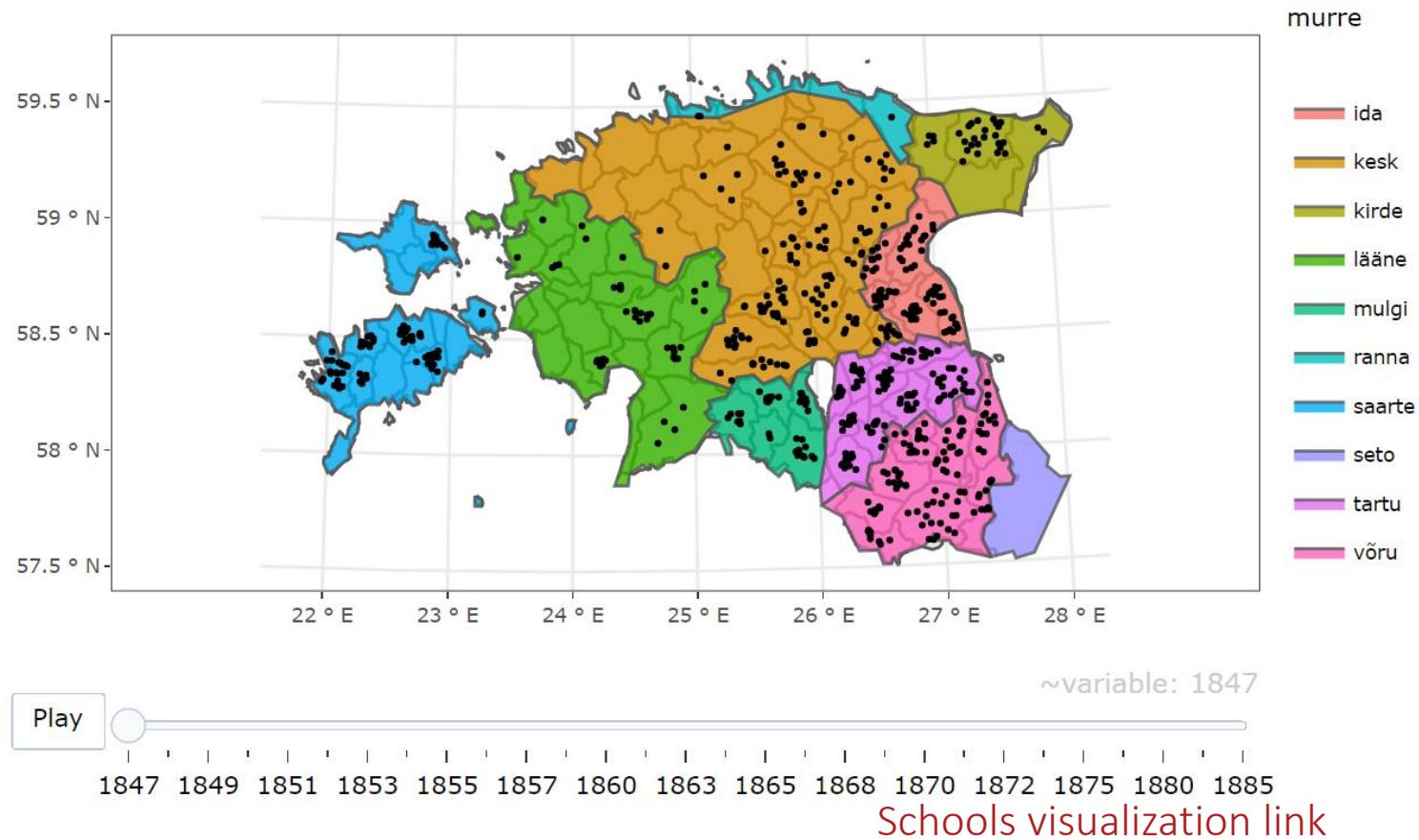
Public schools in 19c



Eesti public schools in 1851 (Andresen 2003)

Public schools in 19c

Are founded from 1830s to 1880s



Estonia & Livonia

Administrative rules differ

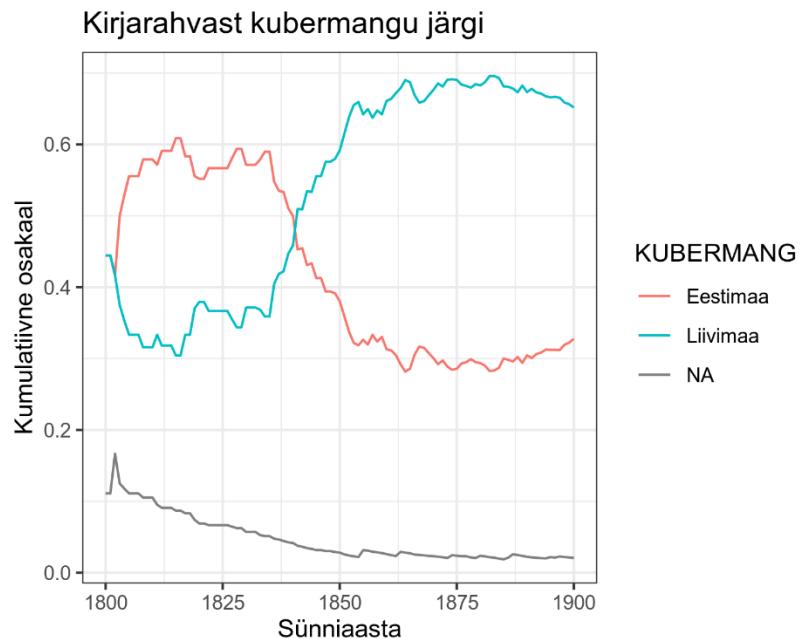
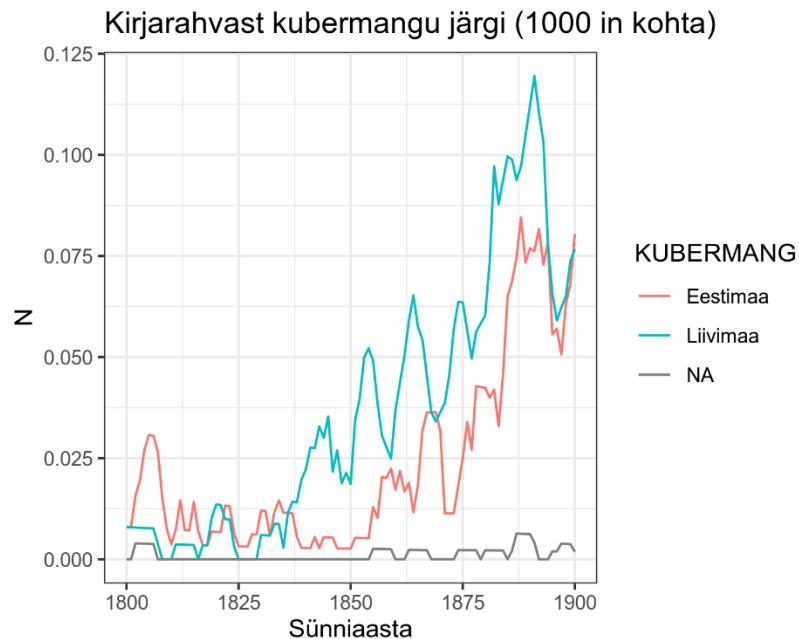
Livonia was founding schools quicker, and peasants grew quicker in wealth

Influence on written language



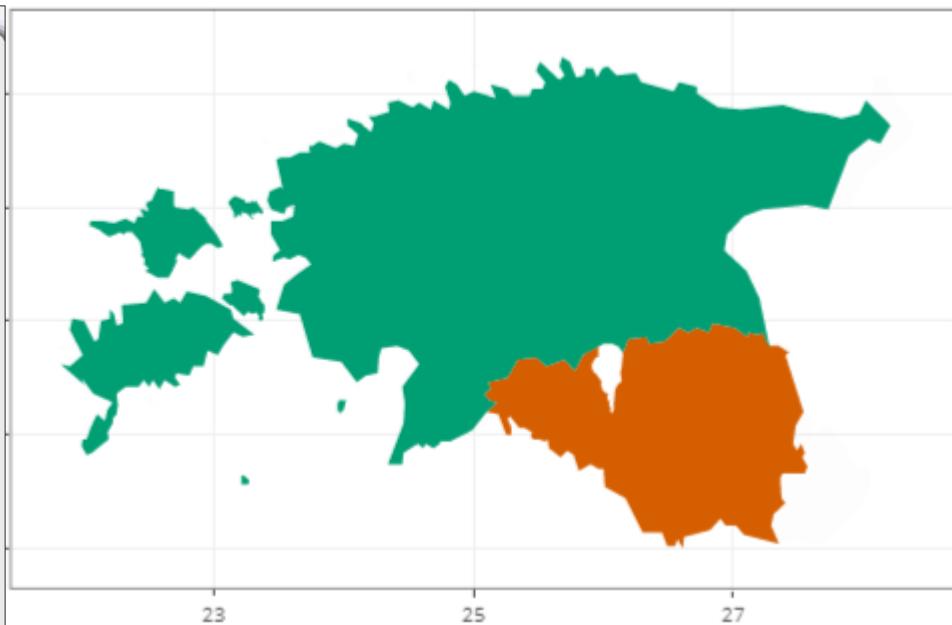
Birthplaces of literati

1840-1900 a lot more literati are born in Livonia



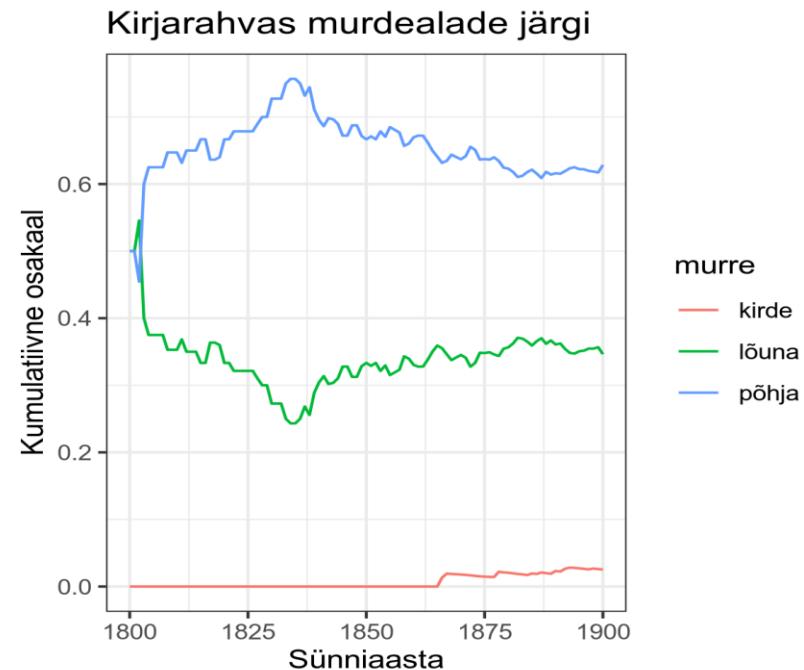
Birthplaces of literati

Dialect borders don't match governate borders



Birthplaces of literati

The language is still biased more towards the northern dialects as they have a strong presence in Livonia



Conclusions

Migration intensive, but spoken dialect contacts low

Influx of many new writers

Can destabilize norms

Origins are biased, but not by main dialects

Position of language standards

Spelling standardization and its mechanisms

Language contacts (spoken & written)

Language prescription

Convergence on the majority

The texts

Collected the corpus

Search

All of DSpace

Date issued: [1800 TO]

Tingimustele "Ilmumisaeg: 1800 - 1940, Keel: eesti" leidus 11566 vastet

Vastavuse alusel ▾ 1 2 3 ... 1156 1157 > Ava otsing

Ernst Moritz Arndt, Charles Dickens, J. Falck, Ira Kase, Martin Luther

Häädele lastele : jõulujutte ja -luuletusi

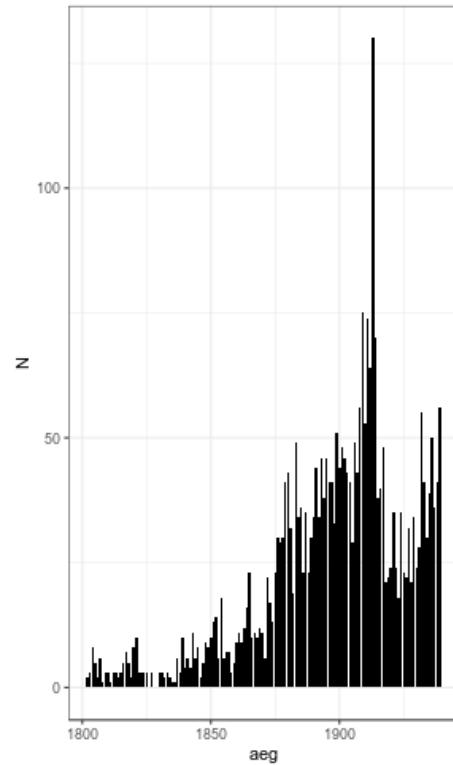
Kirjastaja: Elu Sõna, Ilmumisaeg: 1927

DIGAR

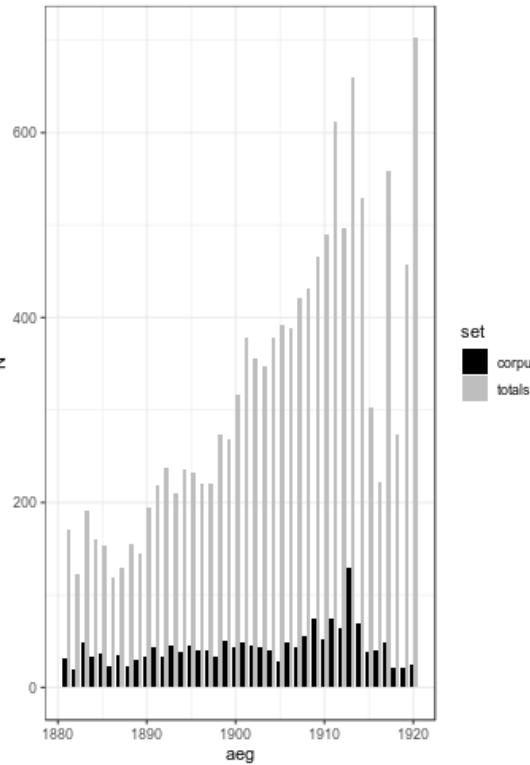
Info Vasakule Paremale Suurus Taasta Kontrast Lõika Salvesta

The texts

Texts in corpus by year



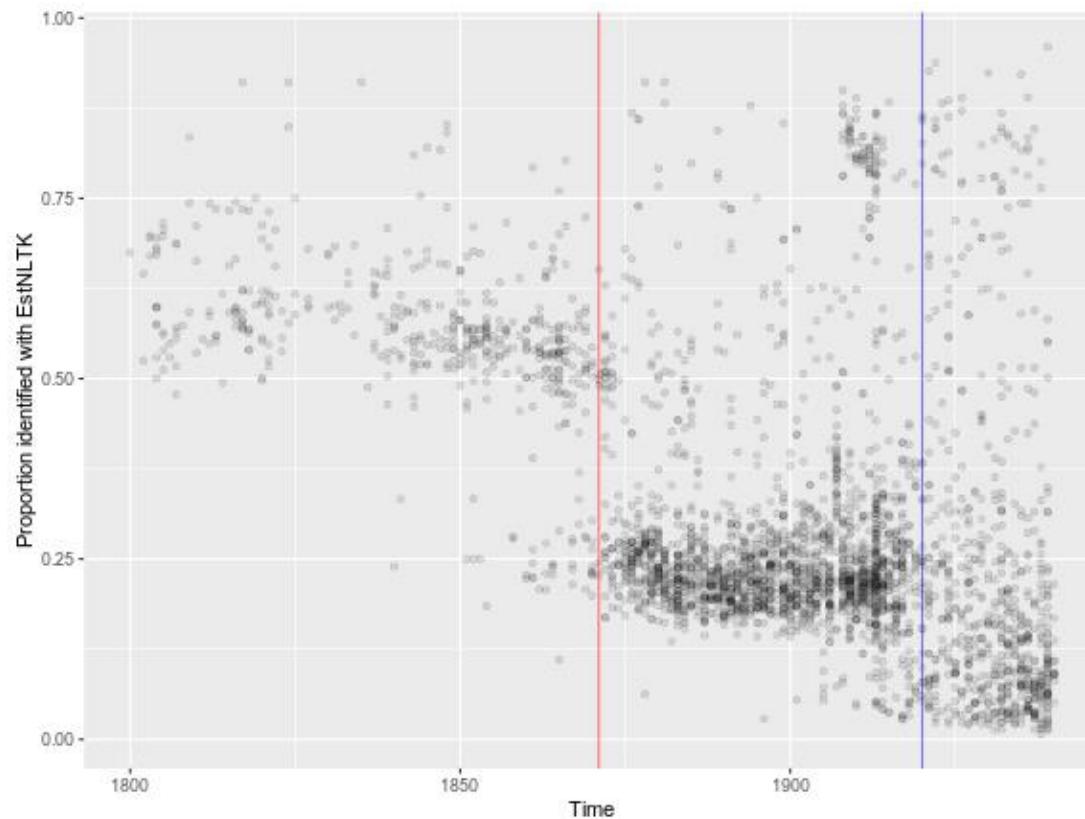
Texts in corpus vs texts published



The texts

Spelling variation in the texts

Proportion not recognized by EstNLTK NLP toolkit



Variants and variation

A set of variables:

w / v – wabariik, vabariik

ää / ea – hää, hea; sääl, seal

üi / üü – nüid, nüüd

herra / härra

naine / naene

om / on

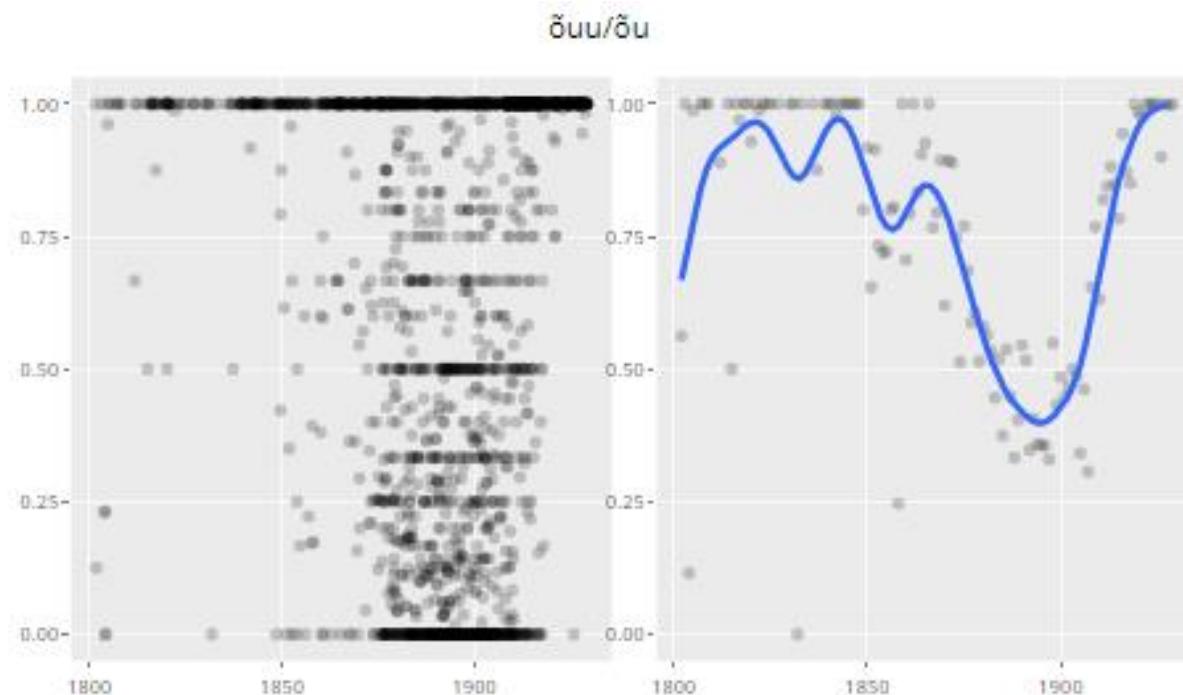
Fairly common in frequency

Have interesting variation in 1880-1920

Variants and variation

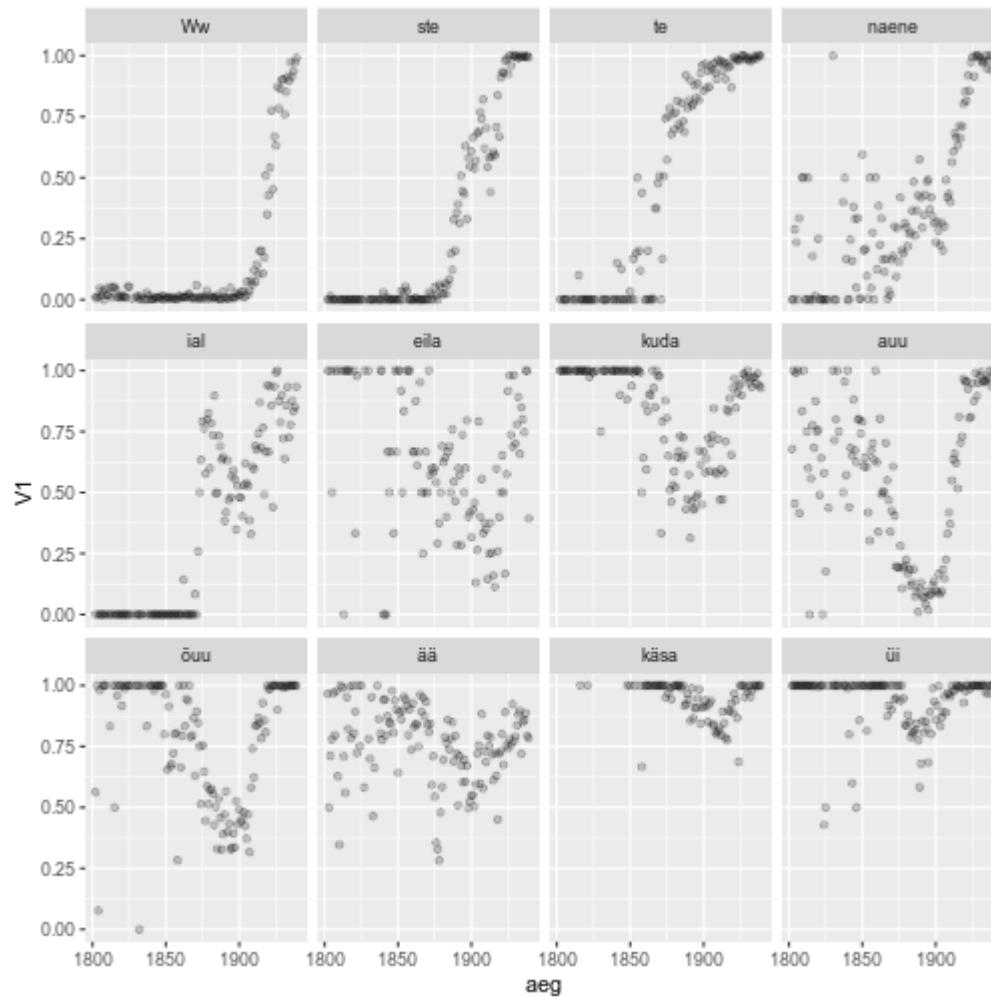
Average across tokens in book (left)

Average across books by year (right)



[Language variation visualization link](#)

Average trends



Language prescription

Historian's overviews



- käänata sôna *juus* (=juuksekarv) järgmiselt: *juukse, juuksed, juuste;*
- käänata sôna *kodu* ainsuse omastavas *kodu* ja sisseütlevas *koju;*
- kirjutada *üü*, mitte *üi* sôñades nagu *nüüd, hüüdma, tüütama, süütama;*
- kirjutada *kaine, naine, laine*, mitte *kaene, naene, laene, aga naeris, paene* (sôñast *pais), vaene; samuti *aed, aednik*, mitte *aid, aidnik;**
- kirjutada *kullassepp* (kahe *s*-iga), mitte *kullasepp;*
- kirjutada *herra, veevel*, mitte *härra, väavel, aga närvid, mitte nervid;*
- kirjutada *väike, kóik, lóikama*, mitte *veike, keik, leikama;*
- kirjutada *käbar*, mitte *käbär;*

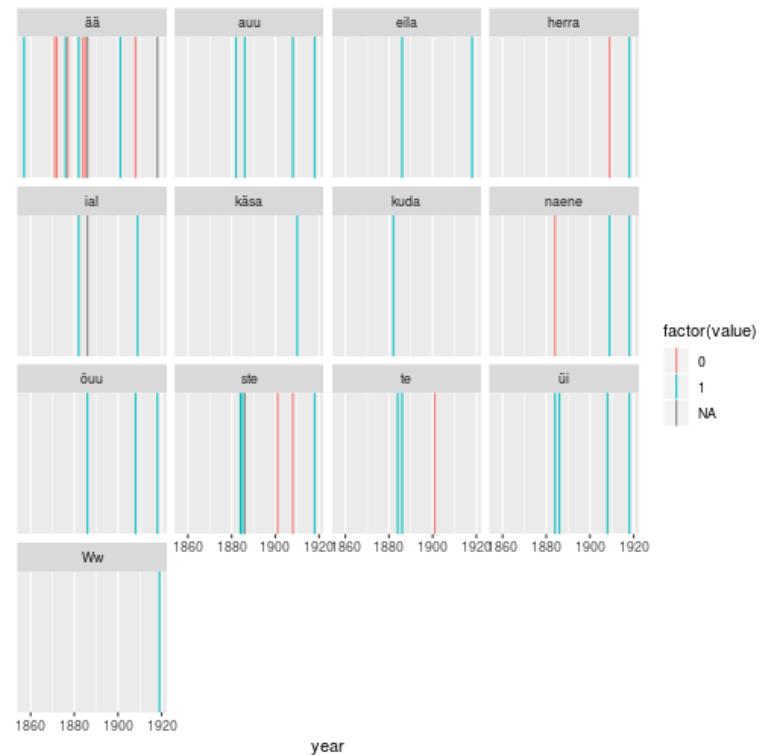
Overview of proposed norms in 1909 (Raag 2008)

Language prescription

Prescriptive events on the timeline

Blue (suggested norm
towards 1)

Red (suggested norm
towards 0)



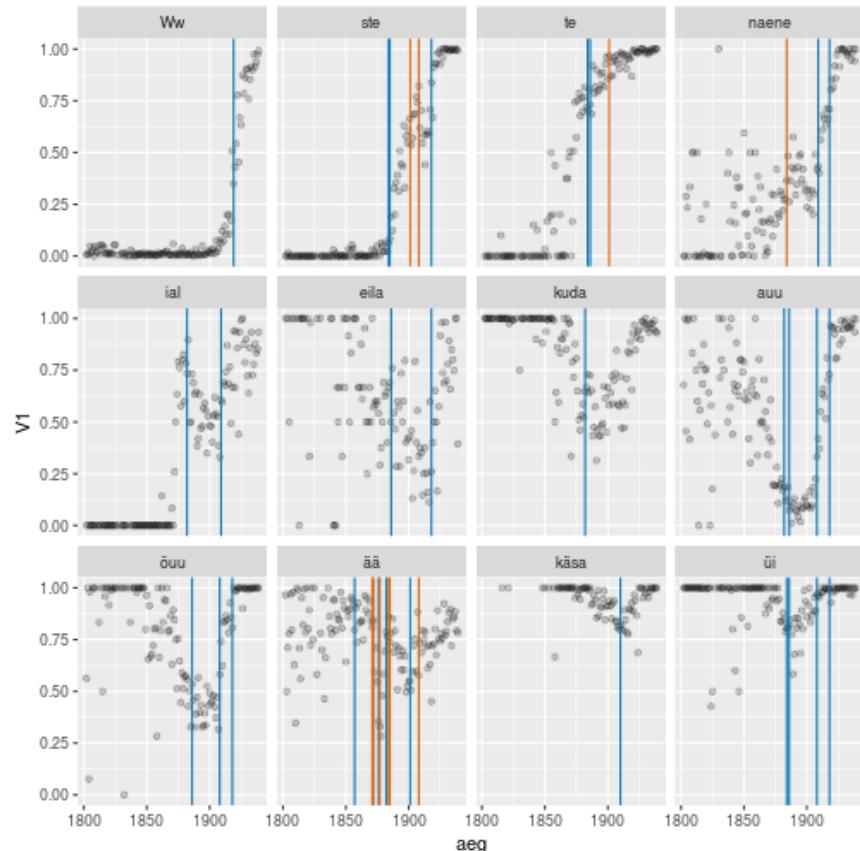
Language prescription

Looking at the aftermath of prescriptive events

Blue (suggested norm
towards 1)

Red (suggested norm
towards 0)

Many prescriptive events are
reverse linguistic trends

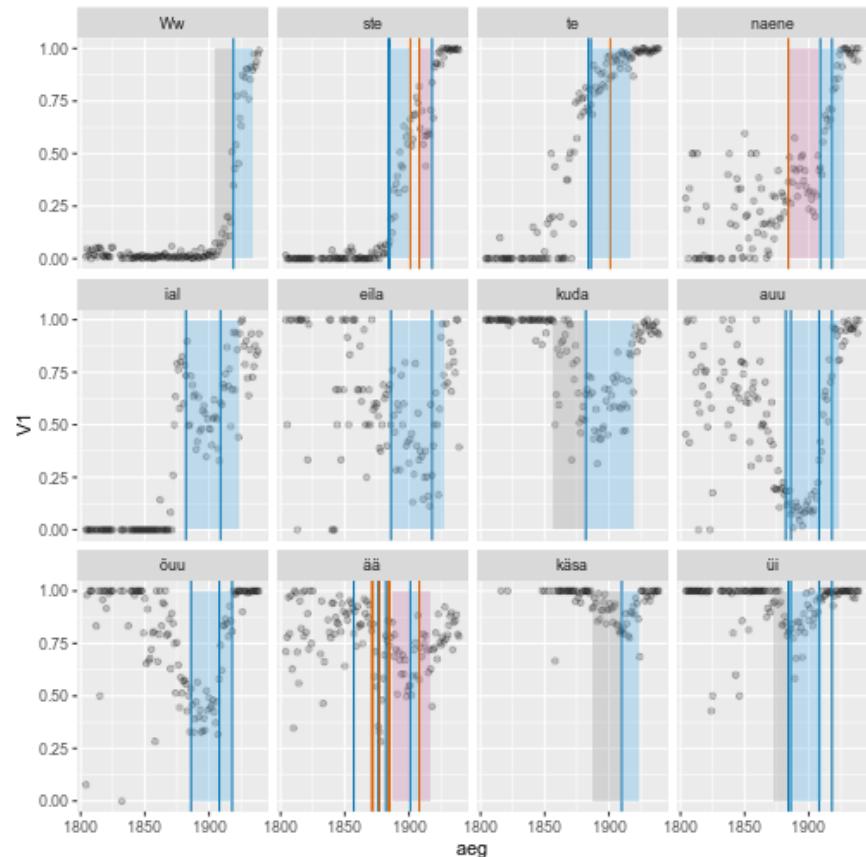


Leaders and followers

Looking at the aftermath of prescriptive events

Blue (suggested norm
towards 1)

Red (suggested norm
towards 0)



The texts

Linking books and people with bibliographies and biographies

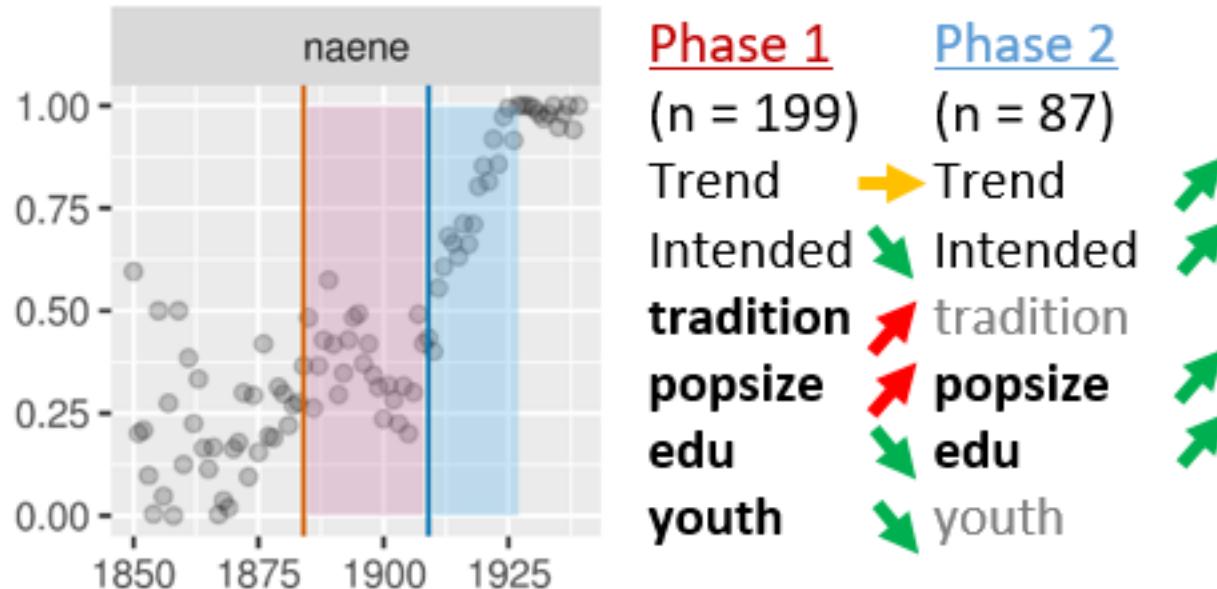


| R#id | Name/Name | santa | risk id | other_error | canonical name |
|-----------|------------------------------------|-------|---------|-------------|-----------------|
| b16019891 | ADO REINWALD LAULUD - Ado Reinwald | 1904 | 2208 | | Rennald, Ado |
| b1581315 | ILU1910 JU0057 | 1913 | 6865 | | Kann, Alexander |
| b1604779 | PEGENHED, MARGARET HANNAKIND - Arp | 1910 | 3235 | EVA | |
| b1617799 | SAAL, ANDREAS - Saal, Andreas | 1885 | 2471 | | Saal, Andras |
| b15129516 | SAAL, ANDREAS - Saal, Andreas | 1885 | 2471 | | Saal, Andres |
| b16046529 | SOSTER, ANDRA - Sostre, Andra | 1891 | 2471 | | Saal, Andra |
| b14965811 | ANDA - Andra Saal | 1891 | 2471 | | Saal, Andra |
| b12986180 | sant-sigrid-saala | 1891 | 2471 | | Saad, Andra |
| b14974265 | ANDRA - Anna Saal | 1891 | 2471 | | Saal, Andra |
| b12073555 | LUULEUTESTE, ANNA HEERA | 1888 | 4802 | | Haisakkin, Anna |
| b13371211 | LUULEUTESTE, HEERA - Anna Heera | 1897 | 4802 | | Haisakkin, Anna |
| b13474222 | LAHEN - Anna Heera | 1910 | 4802 | | Haisakkin, Anna |
| b14668870 | LUULEUTESTE, HEERA - Anna Heera | 1910 | 4802 | | Haisakkin, Anna |
| b15281917 | POHJAMÄÄ LAPSED - Anna Heera | 1913 | 4802 | | Haisakkin, Anna |

Leaders and followers

Significant predictors (logistic regression)

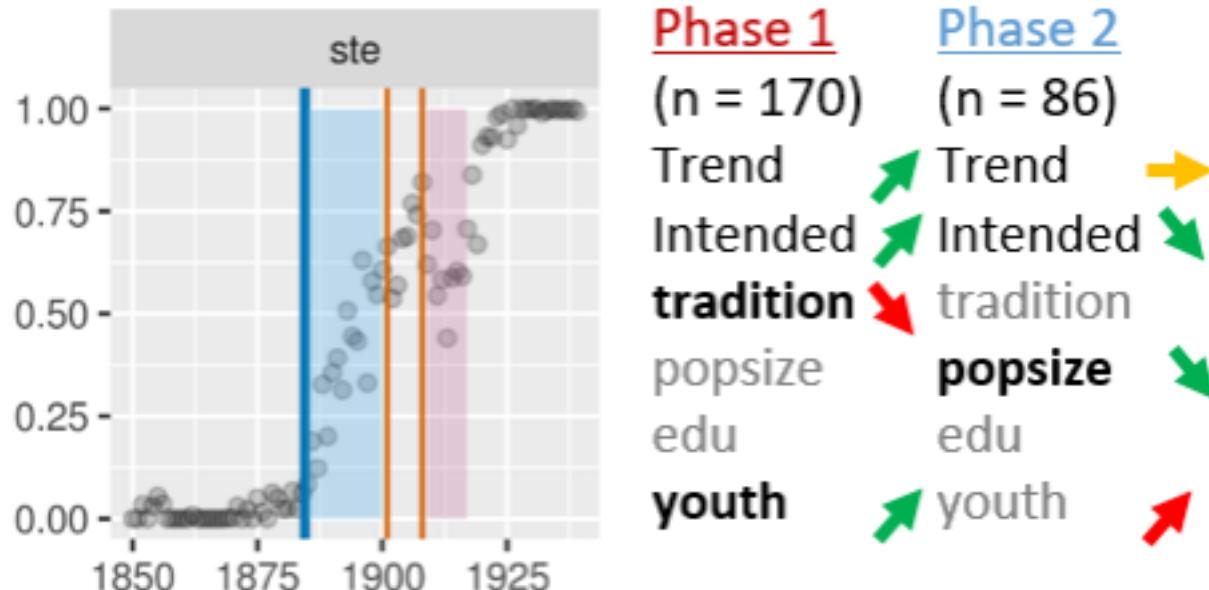
Model does not include dialect info



Leaders and followers

Significant predictors (logistic regression)

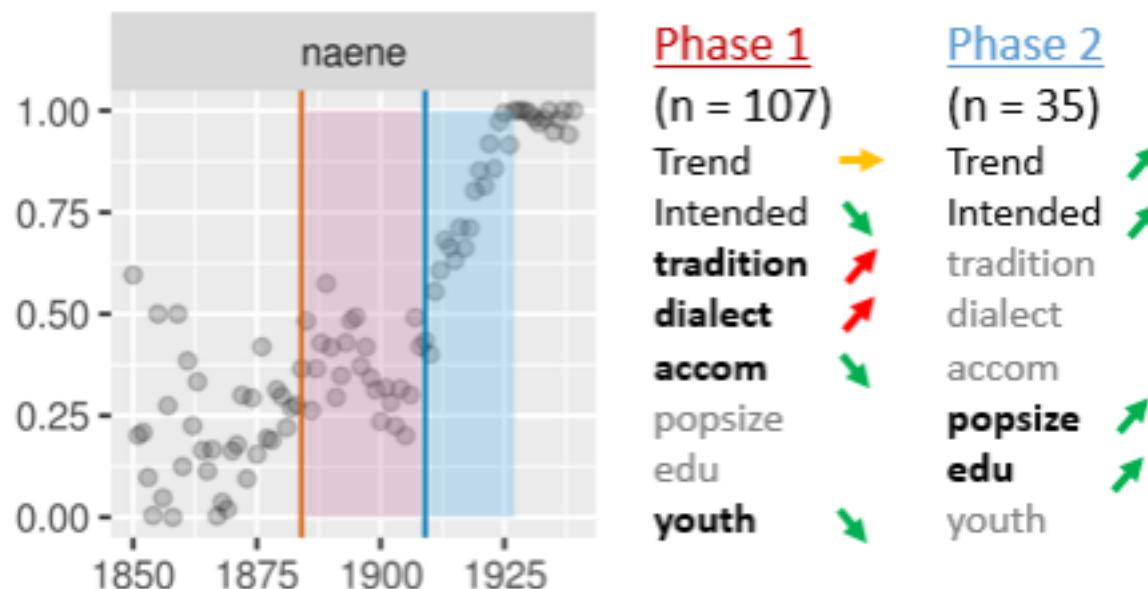
Model does not include dialect info



Leaders and followers

Significant predictors (logistic regression)

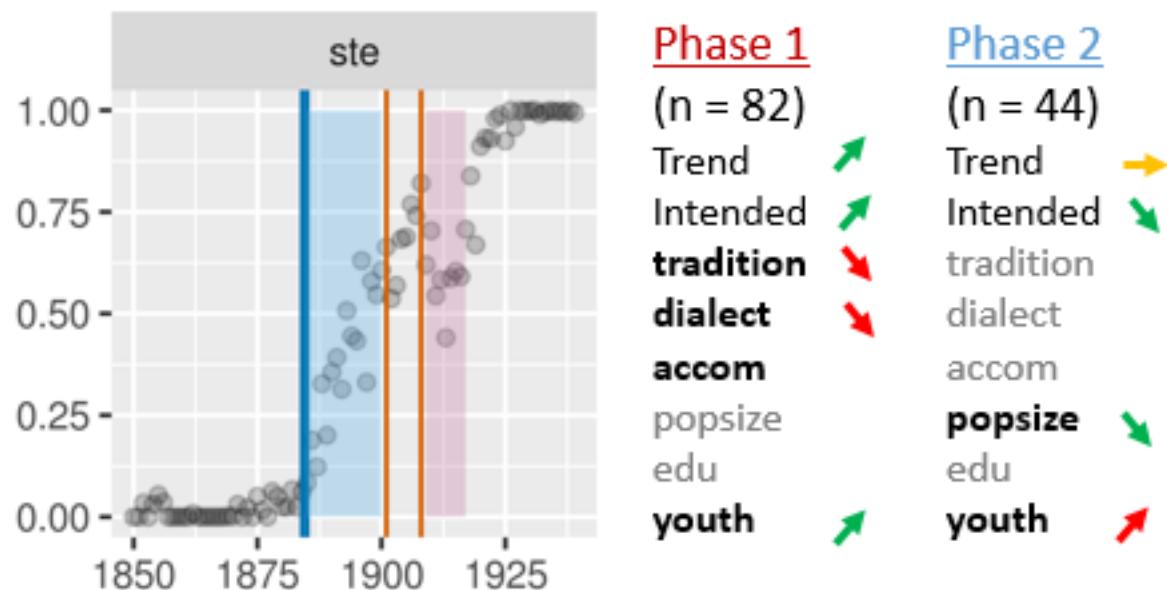
Model includes dialect info

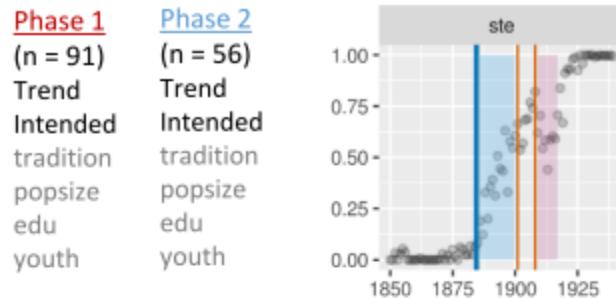
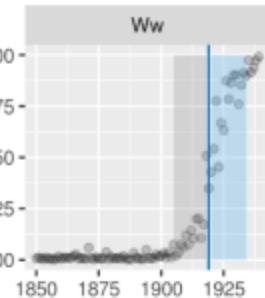


Leaders and followers

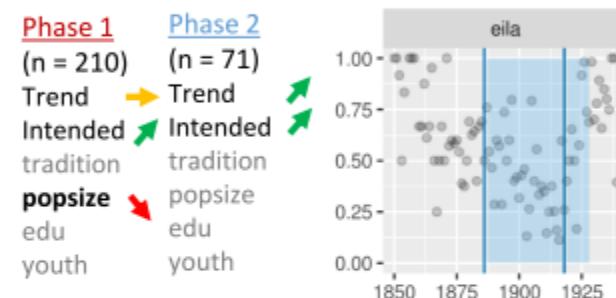
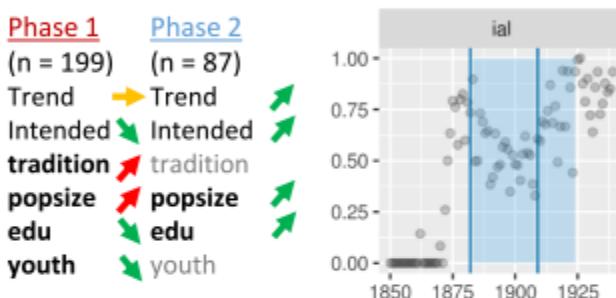
Significant predictors (logistic regression)

Model includes dialect info

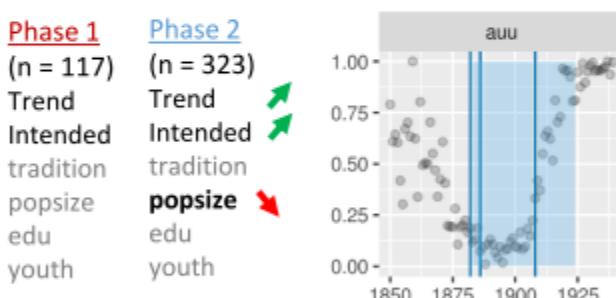




Phase 1
(n = 265)
Trend
Intended
tradition
popsize
edu
youth

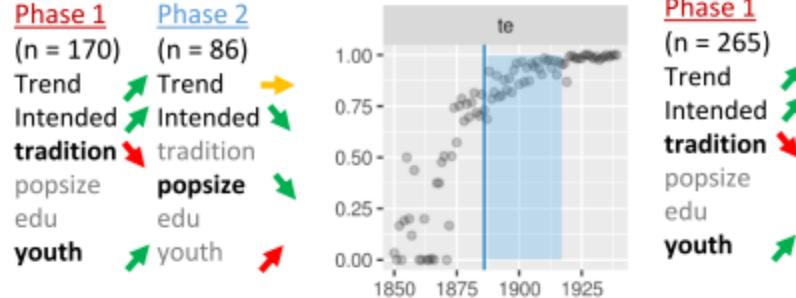
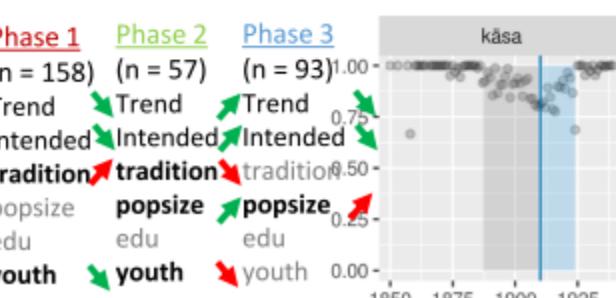


Phase 1
(n = 101)
Trend
Intended
tradition
popsize
edu
youth



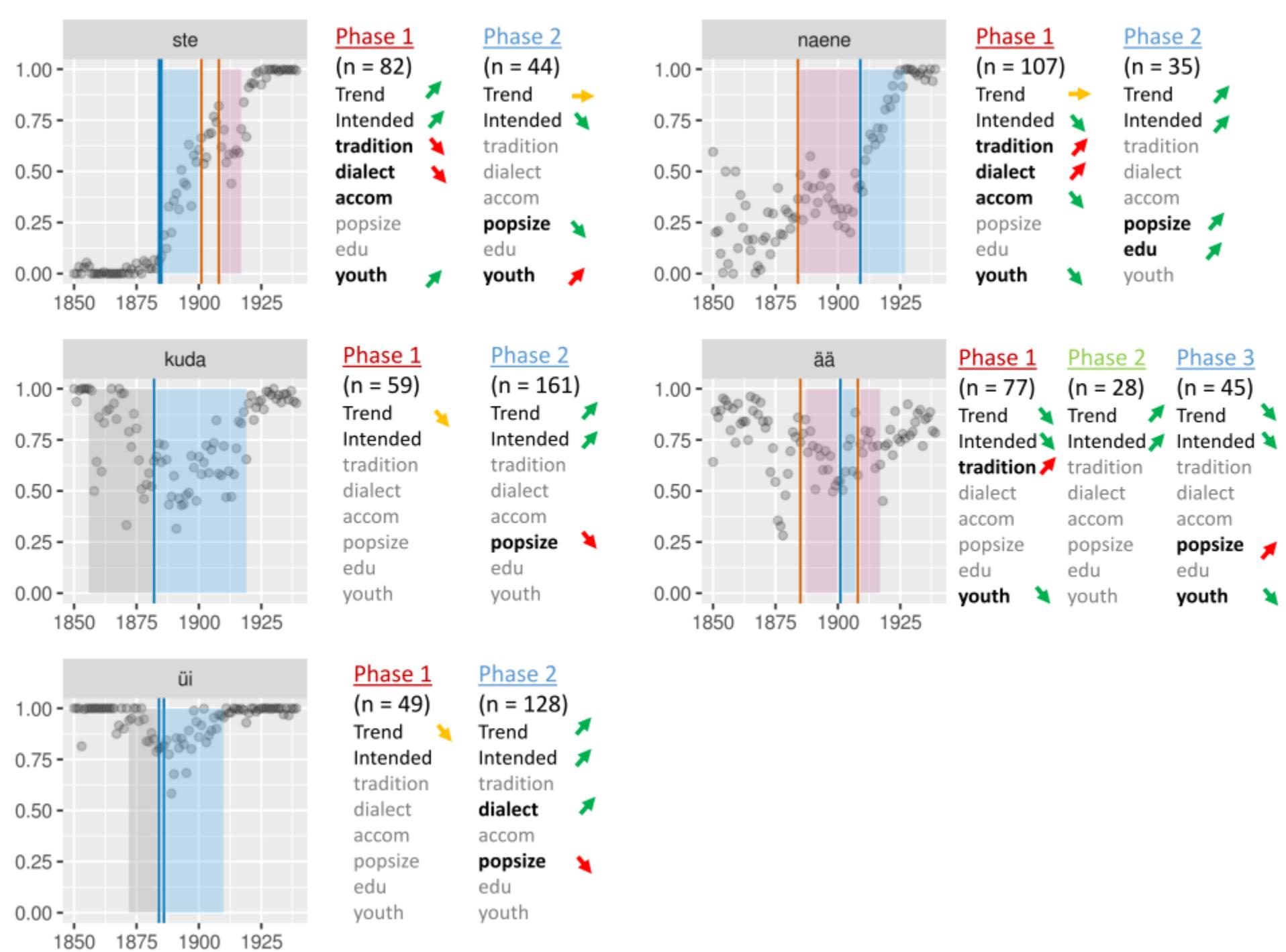
Phase 1
(n = 200)
Trend
Intended
tradition
popsize
edu
youth

Phase 2
(n = 77)
Trend
Intended
tradition
popsize
edu
youth



Phase 1
(n = 110)
Trend
Intended
tradition
popsize
edu
youth

Phase 2
(n = 261)
Trend
Intended
tradition
popsize
edu
youth



General conclusions

Despite migrations, spoken dialect contacts were low

Despite biased growth, no systematic trend in general dialect mixture in written language community

Turning points after prescription events = noticeable influence

Often led by youth and big cities

Position of the standard language

Writers were following the discussions and dictionaries

Influx of new writers generated some noise

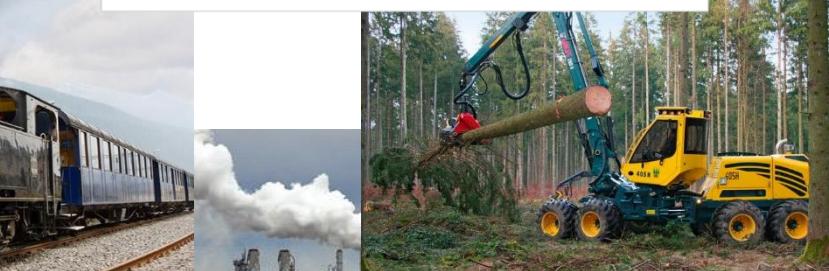
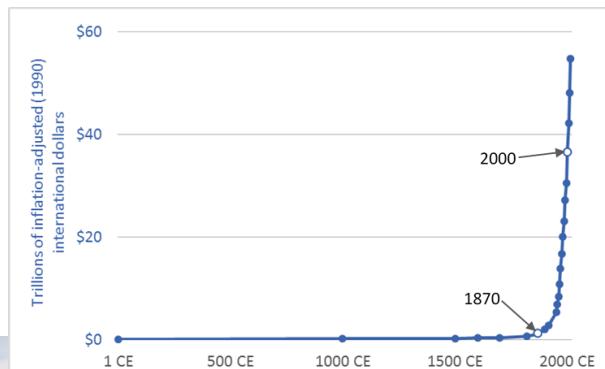
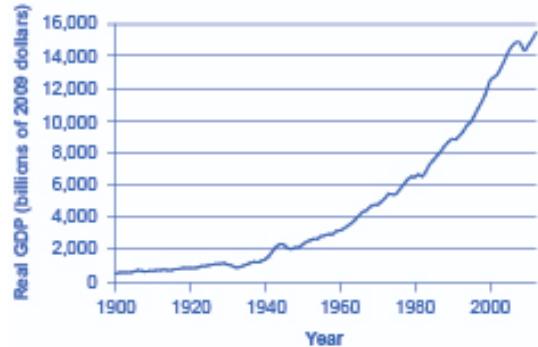
But convergence was led by youth and big cities

Deep Sociotechnical Transitions 1900-2019

Mining newspapers for social history

Industrial modernity

From late 18c to now

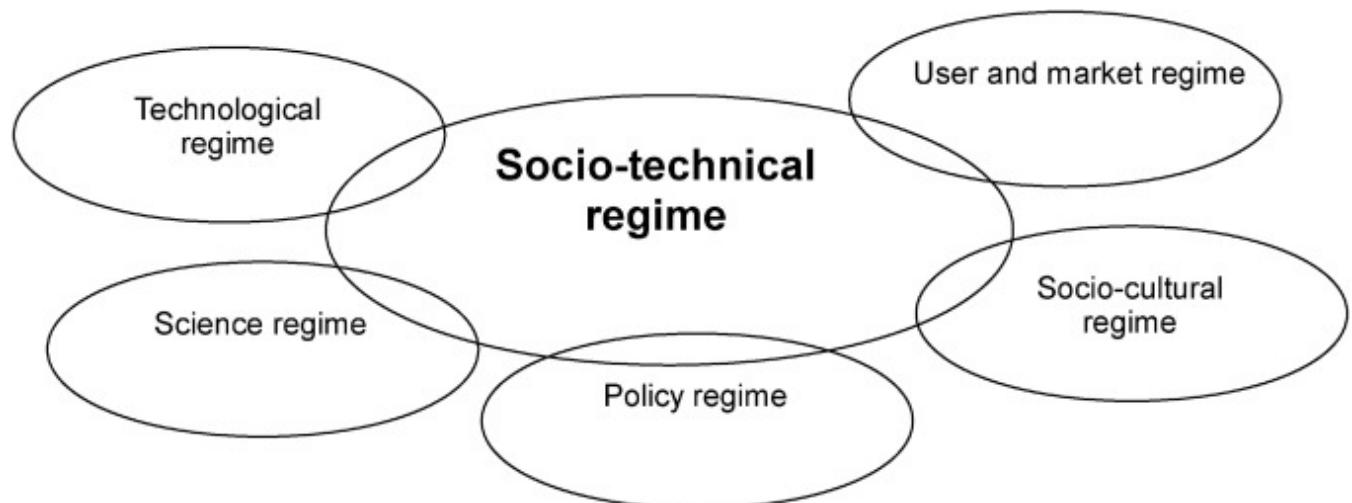


Deep Transitions

The socio-technical system of Industrial Modernity is characterized as a 250-year continuity

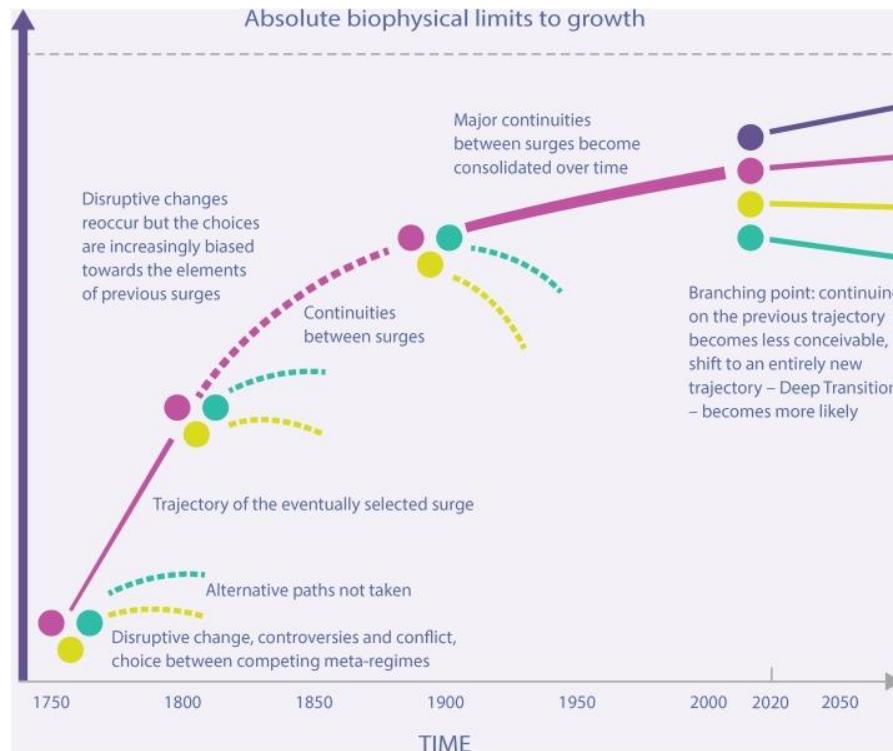
Schot & Kanger, 2018; Kanger & Schot, 2019

E.g. unlimited growth, exploitation of nature, techno-optimism



Industrial modernity

Accumulation of features that form a pathway



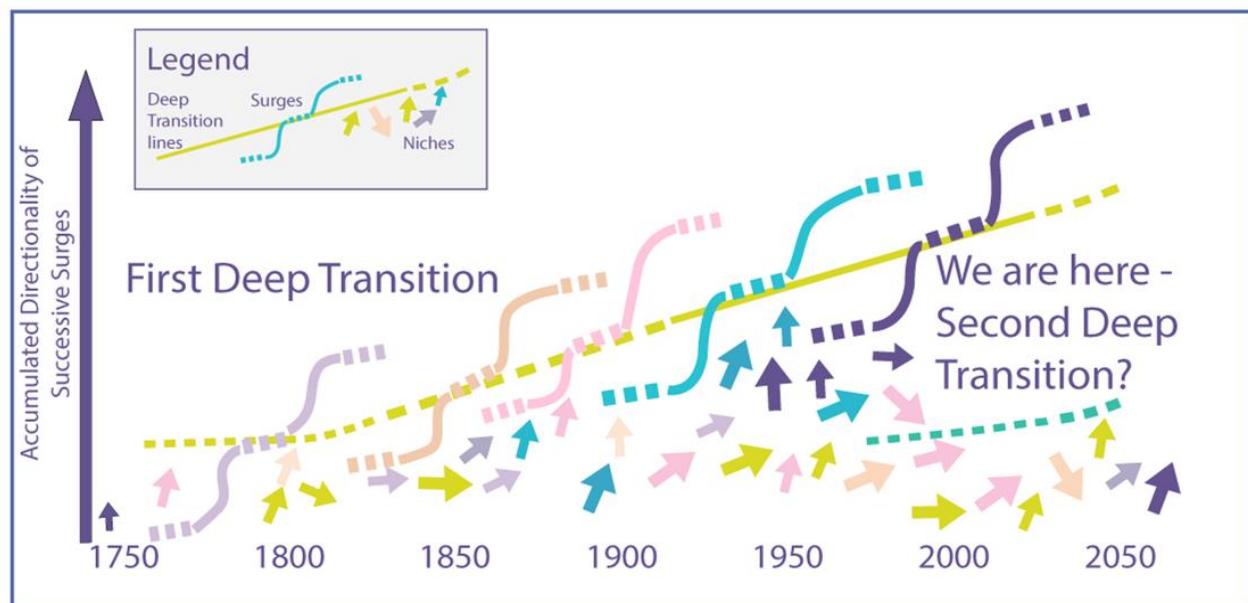
Deep Transitions

Industrial Modernity creates social and environmental issues

This could be solved by a second Deep Transition

Is a 2nd Deep Transition happening?

How could it be encouraged?



Tracking a Deep Transition

Ideas, institutions, resources (1900-2019)

About nature, science, technology, innovation

Features (examples)

Belief in limitless supply or substitutability of resources

Preoccupation with economic growth for development

Reliance on fossil fuels, increasing energy-intensity

Historians, databases, texts

Databases

Databases

Ideas: World Values Survey (environment), Eurobarometer (technology)

Institutions: Manifesto (European party platforms)

Resources: sociometabolism databases, CHAT (technological diffusion), PATSTAT (patents)

But they are often specialized and start in 1950s-1970s

Texts would get better coverage

Texts

Daily newspapers – popular opinions

Parliamentary texts – institutions, legislation

Getting 20c materials is tricky

Multiple languages

Shortlist: Estonia, Australia, Germany, Russia

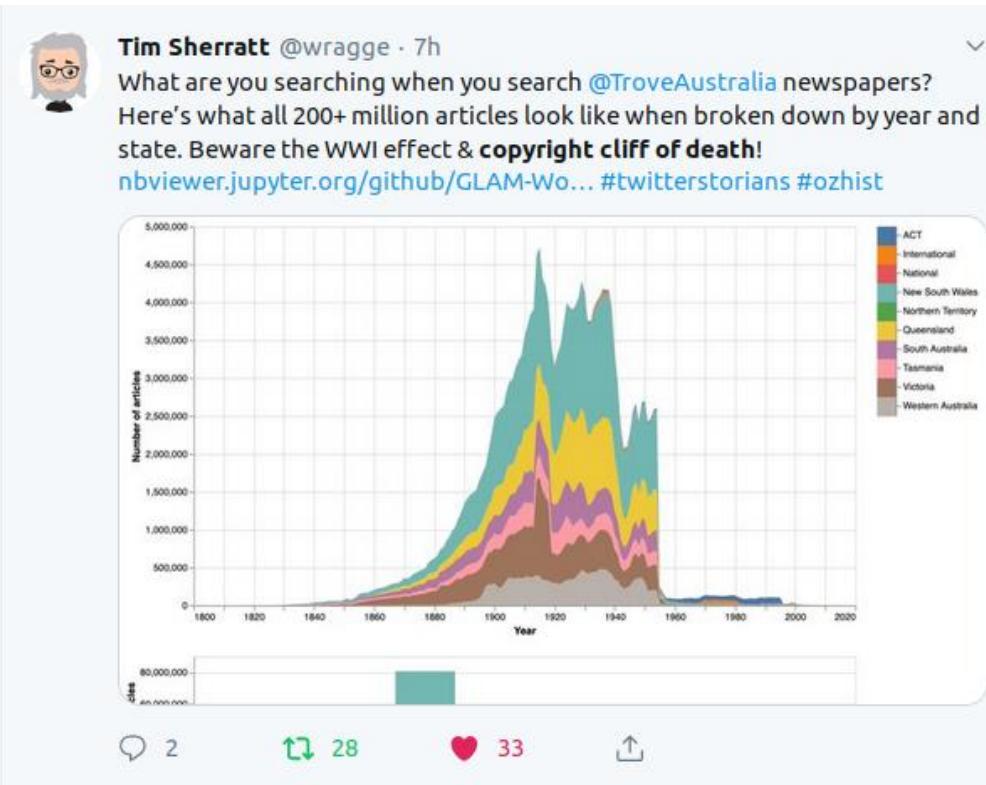
Longer list: Norway, Netherlands, Switzerland, US, UK

Texts

Daily news
Parliament

Getting 2
Multiple
Shortlists
Longer

US, UK



Texts

Daily newspapers – popular opinions

Parliamentary texts – institutions, legislation

Getting 20c materials is tricky

Multiple languages

Shortlist: Estonia, Australia, Germany, Russia

Longer list: Norway, Netherlands, Switzerland, US, UK

Approach

Find these very particular topics within texts

E.g *techno-optimism, environmental impact of industry*

1. Retrieve texts (*nature, resources, industry*)
2. Find some canonical texts
3. Build custom keyword lists, based on these texts
4. Use custom keywords to classify articles/discourse

E.g. *nature as resource & nature as value*

industry and ecological concerns

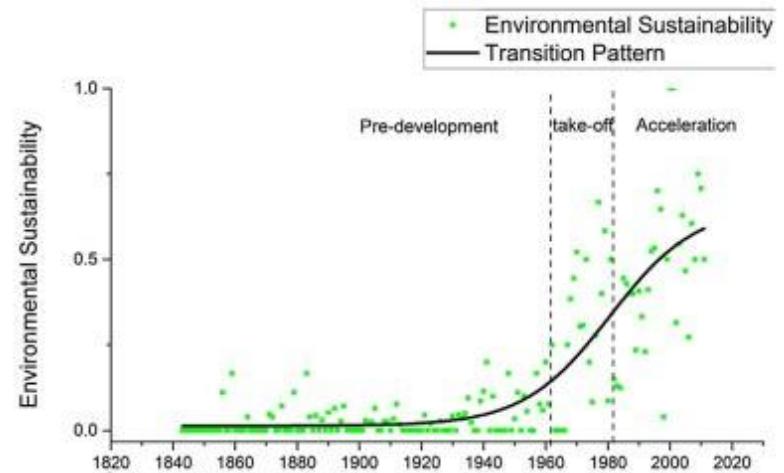
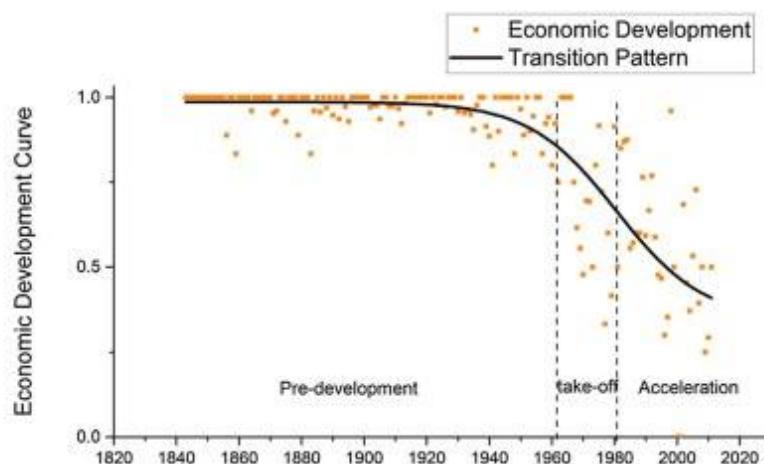
technology and sentiments around it (worries, victories)

Custom lexicons

Relevant texts then on pro- and contra scale

Average time series

Compare (news vs parliament, news vs resource use data)



Wei et al. 2015 on water management in Australia

Current state

Project 2019-2022

Got overview of data

Pilot project next 3-4 months

Try 3-4 languages that we know, establish a workflow

Expanded study

More corpora and languages, standardize workflow across languages

Relies partly on language skills, a small network of text miners?

Can experiment with more methods

Thank you!
Kiitos!



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