

Printing in a Periphery: a Quantitative Study of Finnish Knowledge Production, 1640-1828

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## [1] "C/UTF-8/C/C/C/C"
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[Intro 1/3]

From particular data to global perspective?

Idea: to study early modern knowledge production, all of it (1470-1830)

How? By combining library catalogue data (Fennica, Kungliga, ESTC, CERL)

What is important: to clean up the data (90% of the work) and to take into account how particular data collections (Finnish National Bibliography, English Short-Title Catalogue etc.) have been formed.

How to fail: take worldcat or similar combination of datasets and analyse it as a whole without cleaning it first.

Data and method

Data:

- ▶ Fennica (Finnish National Bibliography), n-number of documents
- ▶ Kungliga (National Library of Sweden's library catalogue), n-number of documents

Method:

- ▶ Scalable code in library catalogue data ecosystem (github)
- ▶ xxx
- ▶ Benefit no. 1: once the work has been done, the data is available for everyone to use and to enrich it. The ecosystem is constructed with even unforeseen changes in mind.

Argument and findings

- ▶ Finnish knowledge production 1640-1828 can only be understood in Swedish context.
- ▶ Academy of Turku as part of the Swedish University system is the centre of Finnish knowledge production.

Enlightenment in Finland after “the rock bottom” of 1700-1721

1. Changes in University curriculum reflected in published theses
2. Religious publishing in Finnish language
3. Economy and social science published in Swedish language

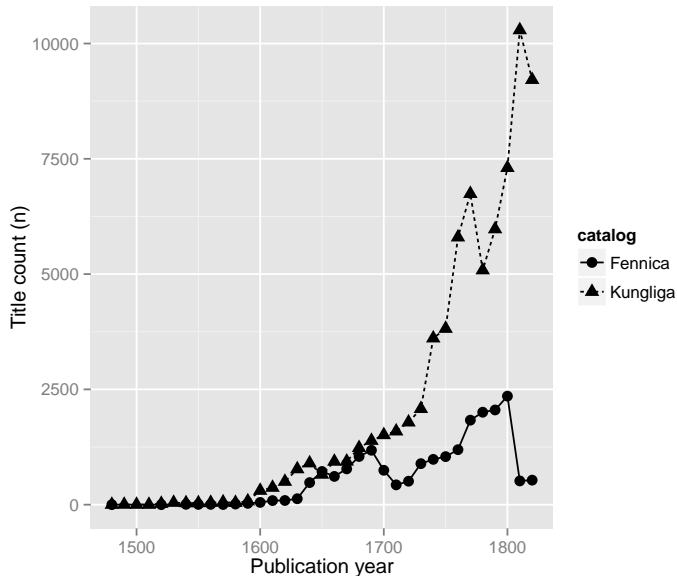
→ Deep roots of the diversity of “Finnishness” clearly reflected in knowledge production, 1640-1828.

[Big Picture 1/4]

Kartta

jossa näkyy Turku osana Ruotsin valtakuntaa tähän (Janilla ideoita manuskriptin puolella, mun mielestä ne on hyviä tästä). Voisi miettiä, että tämä kartta-slide korvaisi sitten tuon alla tulevan “Comparing publishing activity in Swedish University town”.

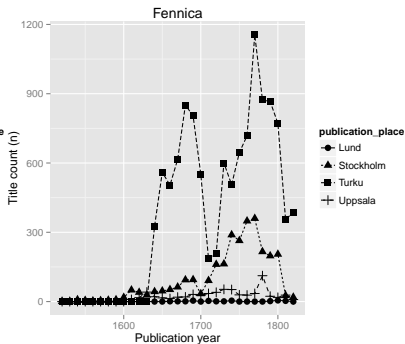
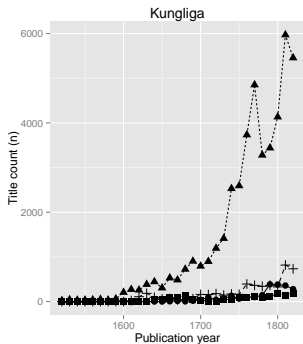
Peaks and drops – role of publishers and contingency



[Big Picture 3/4]

Comparing publishing activity in Swedish University towns

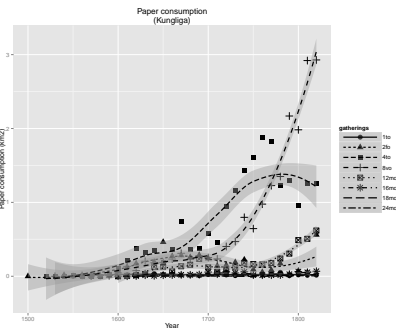
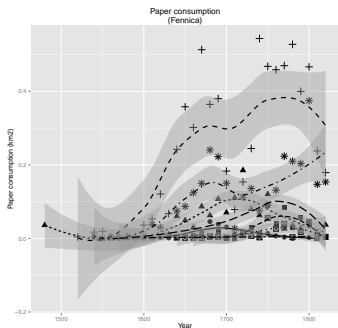
- ▶ Turku
- ▶ Uppsala
- ▶ Lund
- ▶ Stockholm



[Big Picture 4/4]

Rise of the octavo sized book as vehicle of Enlightenment

Paper consumption for different document formats over time.



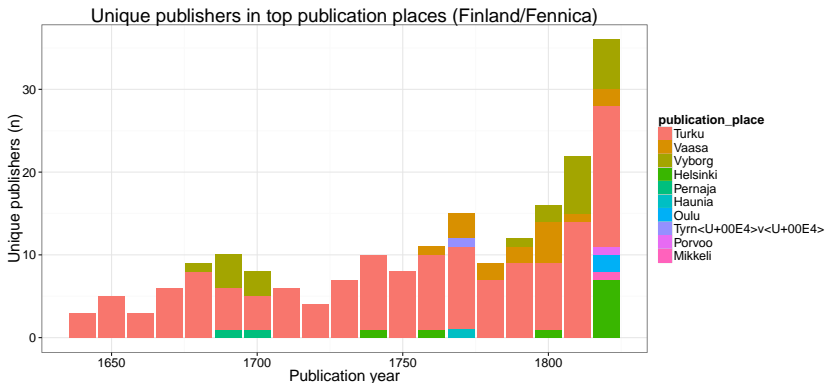
Publishers

[Publishers 1/6]

Turku in Sweden -slide (Janin ideoima tulisi tähän)

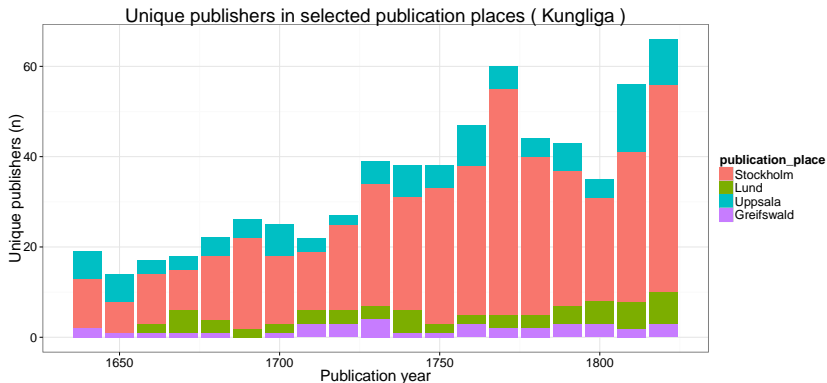
[Publishers 2/6]

Development of number of publishers in Finland



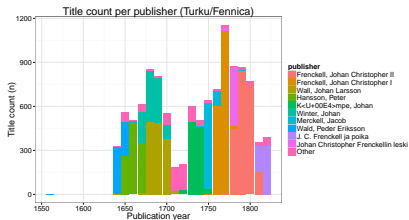
[Publishers 3/6]

Development of number of publishers in Swedish University towns



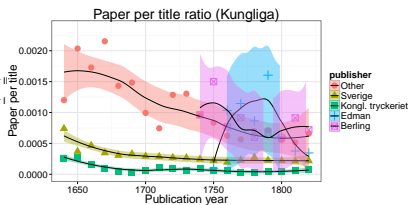
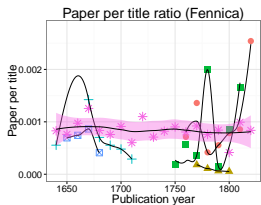
[Publishers 4/6]

Numbers of publications of main publishers in Turku



[Publishers 5/6]

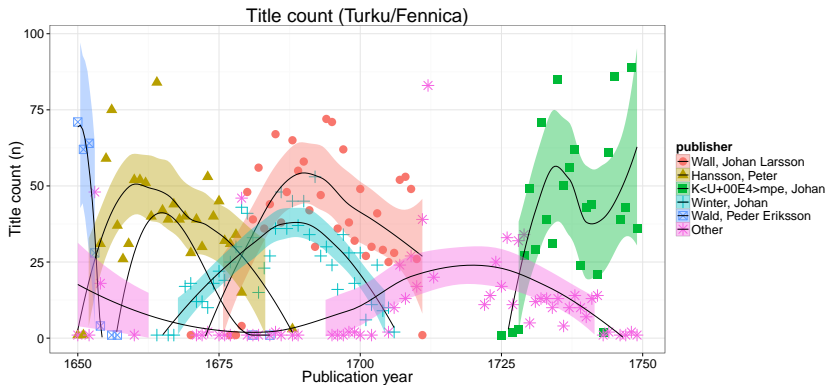
Comparing how much paper different publishers used on average in their publications in Turku



[Publishers 6/6]

Rock Bottom of the Great Northern War (1700-1721)

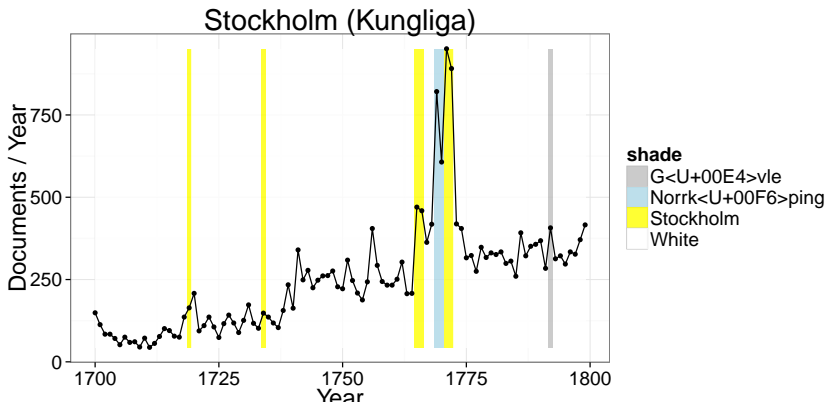
Publisher title count changes around 1700 with a nearly detrimental drop in Turku, the most significant publishing place at the time.



Gävle in Riksdagar

An example how historical events, namely parliamentary assemblies in the Swedish case, have an impact on local knowledge production.

Gävle (gray) during riksdagar (Kungliga) TÄÄ EI TOIMI NYT
OLLENKAAN KUN ON AIKA PIENI TOI NOUSU NÄKYVISSÄ
TÄSSÄ. MENEKÖ OIKEIN?



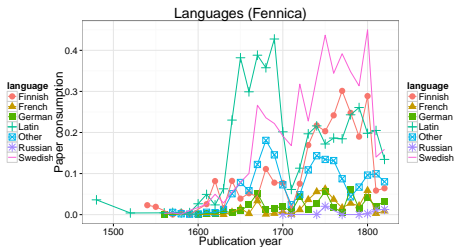
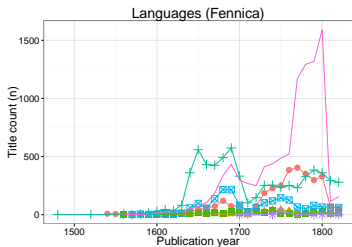
[Swedish age of Freedom and abolishment of censorship 2/2]

Tämän kohdalta olisi tärkeä, että mukana myös joku slide siitä 1760-1770 ajasta. Pitää myös miettiä mihin kohtaan esitystä tämä osio istuu.

Languages

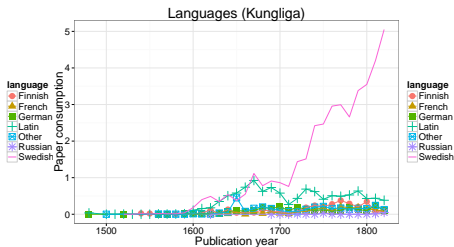
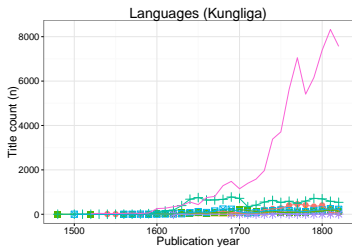
[Languages 1/3]

Development of use of different languages in Finnish National Bibliography



[Languages 2/3]

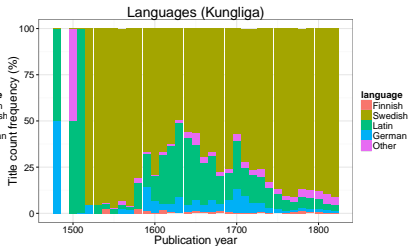
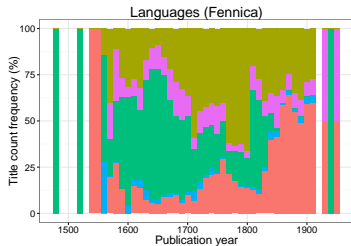
Development of use of different languages in Kungliga data



[Languages 3/3]

Different languages in Fennica and Kungliga (percentage)

TÄMÄ PITÄÄ PÄIVITTÄÄ NIIN ETTÄ ON SE RANSKA JA VENÄJÄ MUKANA!

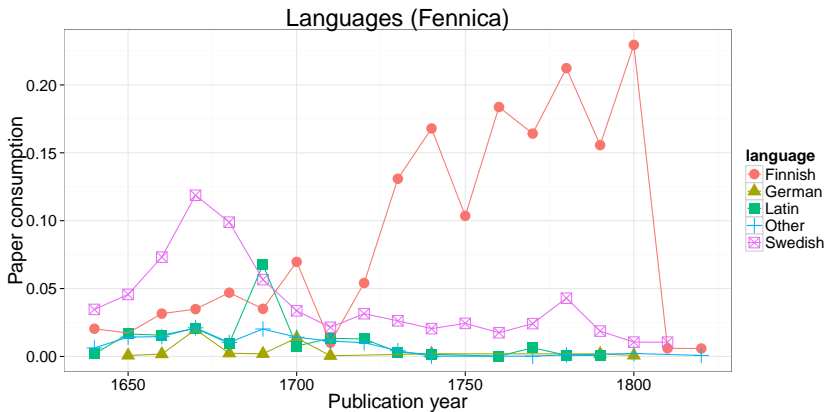


Religious texts in Finland

[Religious texts in Finland 1/3]

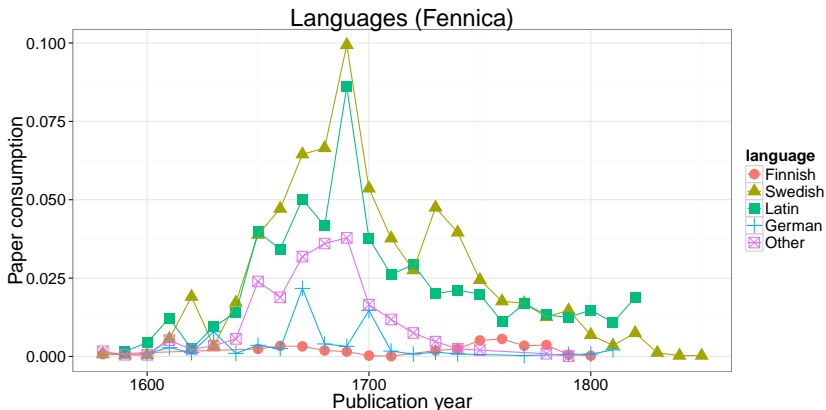
Devotional literature (catechisms, hymns, prayer collections, etc.)

- Form of literature denoting the advancement of reading in Finland in the nineteenth century. It has been unclear when does it show up as a relevant category.



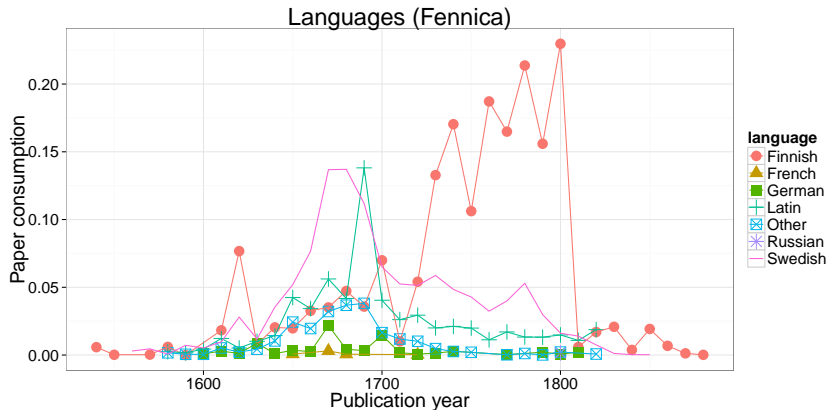
Temporary sermons in Latin and Swedish

- ▶ play an important role in early modern knowledge production. It has not been analysed in what language they were in Finland (and Sweden).



[Religious texts in Finland 3/3]

Combining devotional literature and temporary sermons



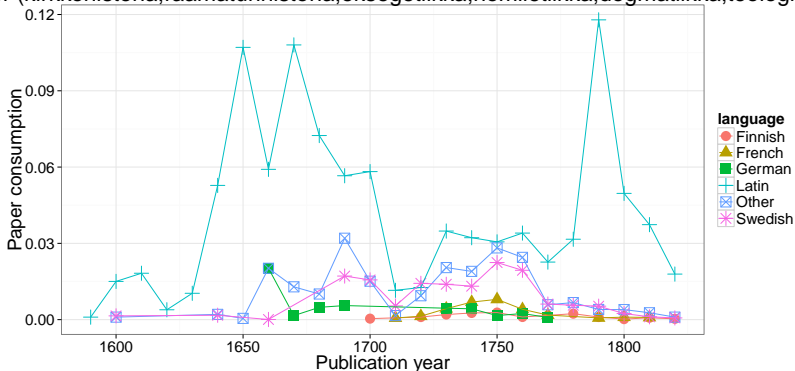
University curriculum in Turku 1640-1828

[University curriculum 1/6]

Printing of theology in different languages in Turku

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## [1] "kirkkohistoria;raamatunhistoria;eksegetiikka;homile
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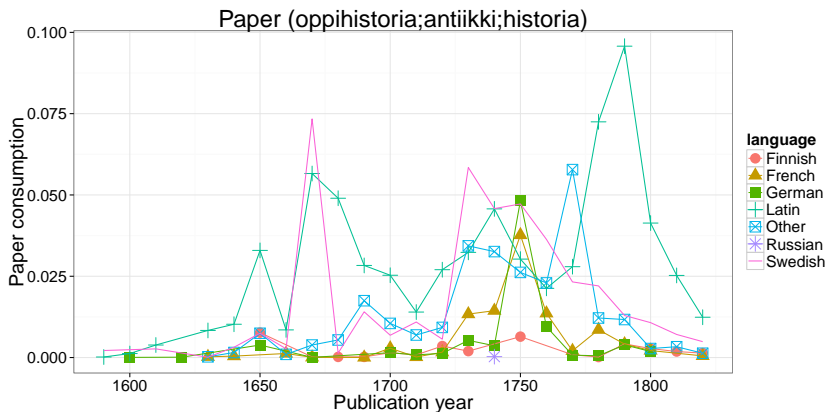
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ar (kirkkohistoria;raamatunhistoria;eksegetiikka;homiletiikka;dogmatiikka;teologia)
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[University curriculum 2/6]

Printing of history in different languages in Turku

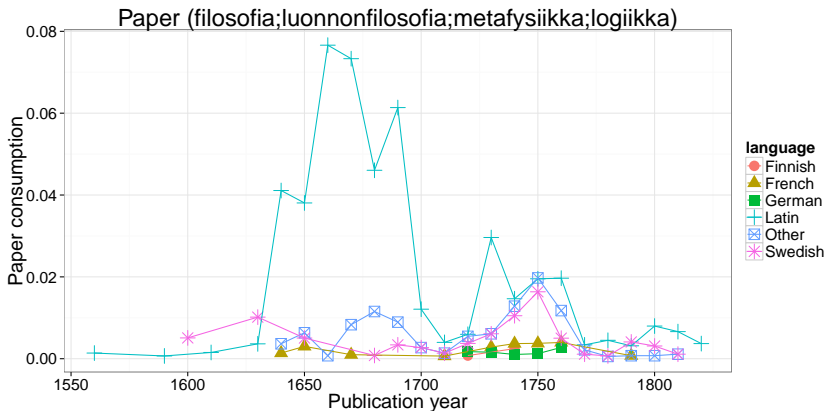
[1] "oppihistoria;antiikki;historia"



[University curriculum 3/6]

Printing of philosophy in different languages in Turku

[1] "filosofia;luonnonfilosofia;metafysiikka;logiikka"



[University curriculum 4/6]

Printing of natural science in different languages in Turku

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## [1] "luonnontieteet;matematiikka;fysiikka;kemia;t<U+00E4"
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at;matematiikka;fysiikka;kemia;t<U+00E4>htitiede;maantiede;geodesia;geofysiikka"
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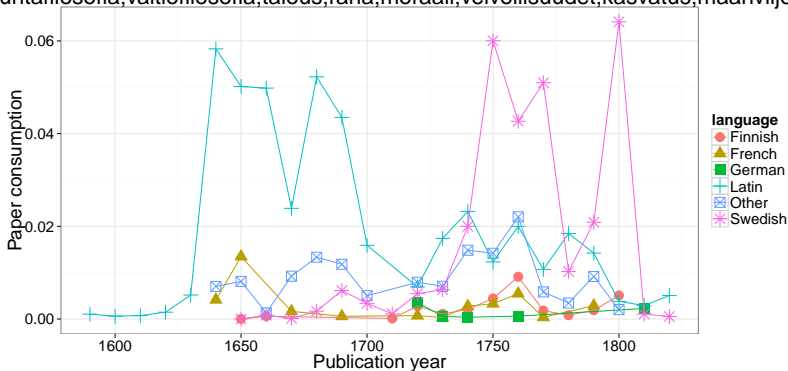


[University curriculum 5/6]

Printing of economy in different languages in Turku

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## [1] "psykologia;yhteiskuntafilosofia;valtiofilosofia;ta
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untafilosofia;valtiofilosofia;talous;raha;moraali;velvollisuudet;kasvatus;maanviljely;
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[University curriculum 6/6]

Effects of the Enlightenment on the curriculum in Turku

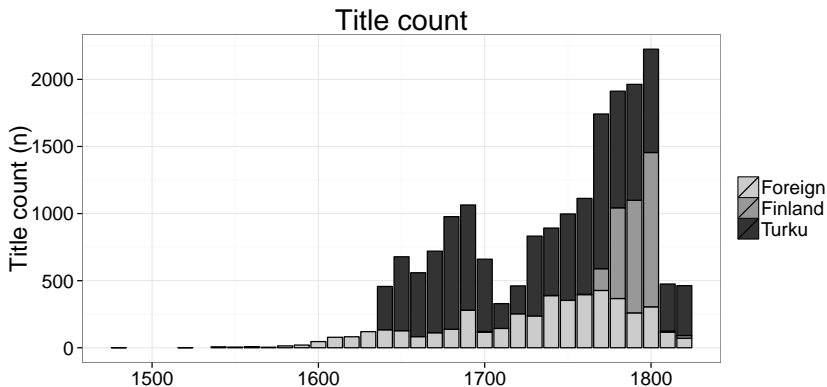
- ▶ decline of metaphysics in favour of social and economic theory is clear in Turku
- ▶ the Enlightenment literature that people read in Finland was mainly printed in Stockholm and on the continent.

Tähän top-auktorilistat Fennica ja Kungliga.

[Conclusion]

Finland in the Swedish context

- Dramatic events regarding the diversity of “Finnishness” take place in the early nineteenth century. Finland becomes part of Russia and Turku is stripped off of its former glory... But the analysis of Finnish knowledge production 1828-2016 is for another day.



Thanks !

- ▶ Academy of Finland
- ▶ University of Helsinki