

AcademySampo

- Finnish Academic People 1640–1899

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Aalto University
School of Science



UNIVERSITY OF HELSINKI



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Project



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AcademySampo

- Ongoing project
- Converting and publishing the material of *Ylioppilasmatrikkeli* as Linked Open Data
- Earlier semantic portals:
 - WarSampo
 - Norssit High School Register
 - BiographySampo

Source Material

- <https://ylioppilasmatrikkeli.helsinki.fi/>
- **Two datasets containing years**
 - 1640-1852, 18450 students
 - 1853-1899, ~9500 students

Conversion and dataset

Material

- Information has been extracted from semi-structured text using
 - Regular expressions
 - Vocabularies of person names and occupations
 - Existing HTML formatting

11.2.1830 **Anders Israel Cajander** 14689. * Leppävirralla
24.2.1811. Vht: Savon alisen kihlakunnan kruunuvouti *Zachris Johan Cajander* († 1862) ja *Gustava Karolina Neiglick*. Kuopion triviaalikoulun oppilas 4.2.1822 – 22.6.1826 (betyg). Viipurin lukion oppilas 17.9.1827 – 1.7.1829. Ylioppilas Helsingissä 11.2.1830 (arvosana approbatur cum laude äänimäärällä 14). Viipurilaisen osakunnan jäsen 12.2.1830 *12/2 1830 \ Anders Israel Cajander \ 24/2 1811 \ KronoFogden Zachr. Joh. Cajander i Randasalmi \ Leppävirta \ [med betyg] fr. Gymn. i Wiborg \ Uttog betyg d. 12/10 1833 för att ingå vid Rättegångsverken*. Merkitty oikeustieteellisen tiedekunnan nimikirjaan 9.10.1832. Savokarjalaisen osakunnan perustajajäsen 1833 *Anders Israël Cajander*. Tuomarintutkinto 10.12.1833. Vaasan hovioikeuden auskultantti 24.12.1833. — Varatuomari 1837. Kihlakunnantuomarin arvonimi 1847. Äyräpään tuomiokunnan tuomari 1857, Jääskens tuomiokunnan 1870, Rannan tuomiokunnan 1877, ero 1891. Hovioikeuden asessorin arvonimi 1868. Laamannin arvonimi 1870. Valtiopäivämies 1872. † Viipurissa 18.12.1901.

Pso: 1841 *Fredrika Emelie Schildt* († 1892).

Veli: Räisälän kappalainen *Gustaf Adolf Cajander* 15376 (yo 1835, † 1882).

Extracted data

- **Biographical information:**
 - **Name**
 - Places and times of **birth** and **death**
 - Occupation
 - Lifetime events: enrollment, **graduation**, career etc.
- **Related people:**
 - **parents**, **spouses**, links to **other relatives** mentioned in the register.
 - Professors, teachers and students

11.2.1830 **Anders Israel Cajander** 14689. * **Leppävirralla** 24.2.1811. Vht: **Savon alisen kihlakunnan kruununvouti Zachris Johan Cajander** († 1862) ja **Gustava Karolina Neiglick**. Kuopion triviaalikoulun oppilas 4.2.1822 – 22.6.1826 (betyg). Viipurin lukion oppilas 17.9.1827 – 1.7.1829. Ylioppilas Helsingissä 11.2.1830 (arvosana approbatur cum laude äänimäärällä 14). Viipurilaisen osakunnan jäsen 12.2.1830 *12/2 1830 \ Anders Israel Cajander \ 24/2 1811 \ KronoFogden Zachr. Joh. Cajander i Randasalmi \ Leppävirta \ [med betyg] fr. Gymn. i Wiborg \ Uttog betyg d. 12/10 1833 för att ingå vid Rättegångsverken*. Merkitty oikeustieteellisen tiedekunnan nimikirjaan 9.10.1832. Savokarjalaisen osakunnan perustajajäsen 1833 **Anders Israël Cajander**. **Tuomarintutkinto 10.12.1833**. Vaasan hovioikeuden auskultantti 24.12.1833. — Varatuomari 1837. Kihlakunnantuomarin arvonimi 1847. Äyräpään tuomiokunnan tuomari 1857, Jääskens tuomiokunnan 1870, Rannan tuomiokunnan 1877, ero 1891. Hovioikeuden asessorin arvonimi 1868. Laamannin arvonimi 1870. Valtiopäivämies 1872. **† Viipurissa 18.12.1901**.

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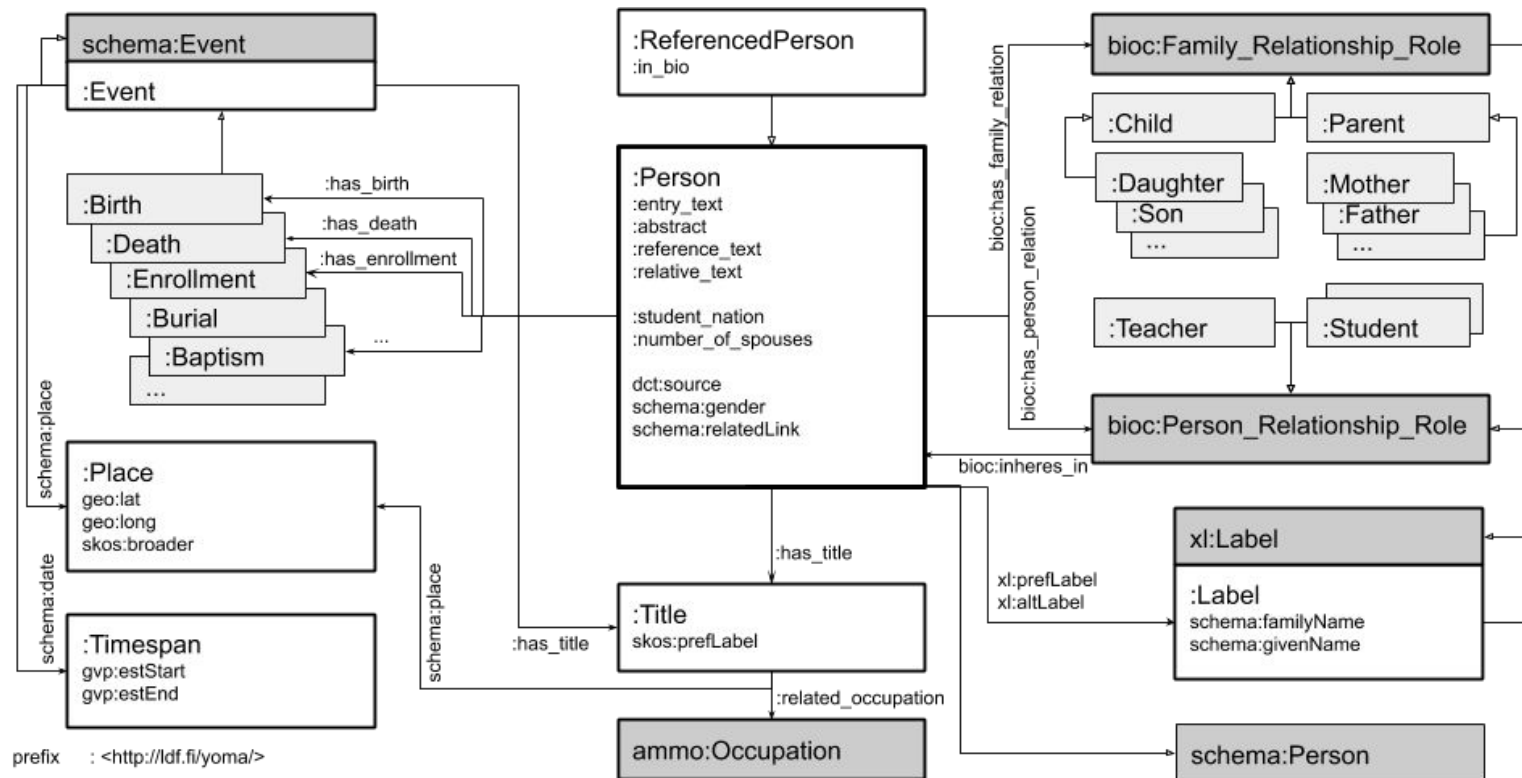
People ontology

- **28 000 students in total**
 - **56000 mentioned relatives**
connected by 143000 relations
 - **70000 life time events**
 - **almost 4000 other relations**
e.g. teacher, student

Ontologies

- **Place ontology with 2300 resources**
 - Focuses on places of Finland, Carelia, Sweden and Baltic Countries
 - More than 95% mentioned places are linked
- **More than 10000 occupational descriptions**
 - e.g. *Bishop of Porvoo* or *Diving Commissioner*
 - Linked to Finnish Ontology of Historical Occupations ([AMMO](#), HISCO)
- **Family relations with 100 resources**
- **Domain ontologies of Student Nations, historical High Schools etc.**
 - Extracted from the source data

RDF Schema

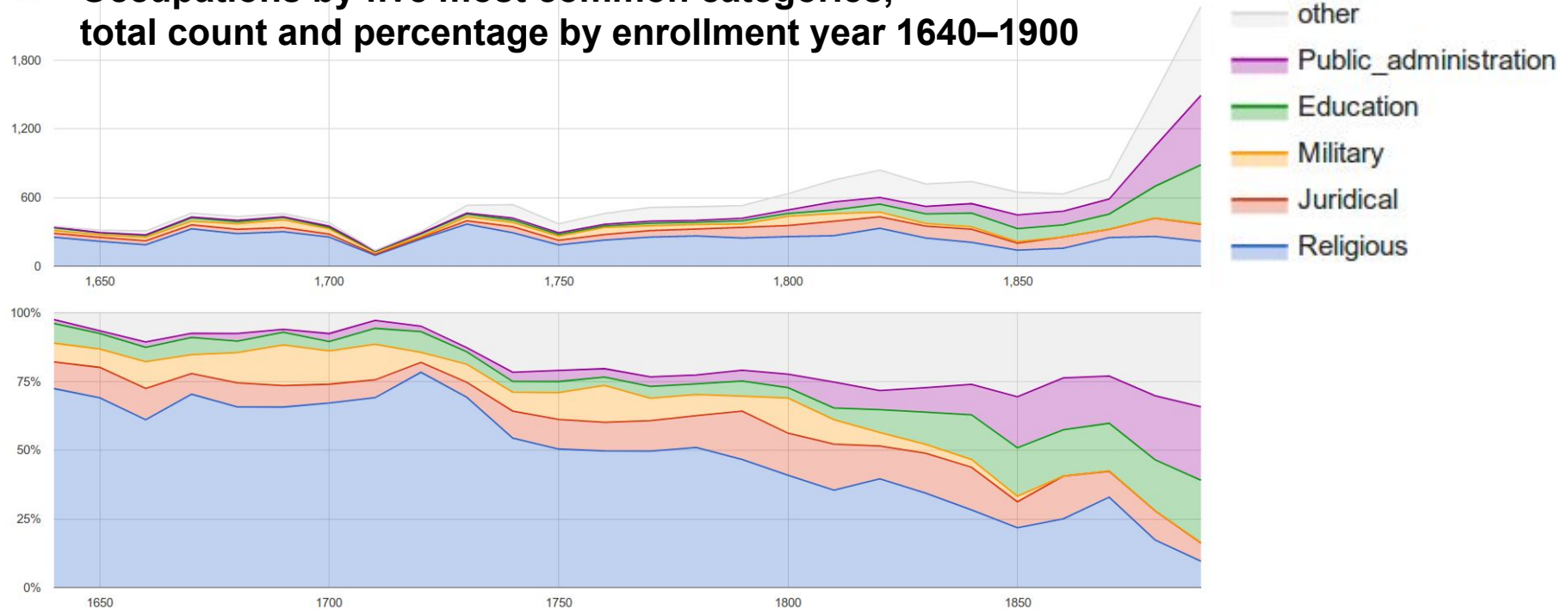




Data Analysis

Occupations

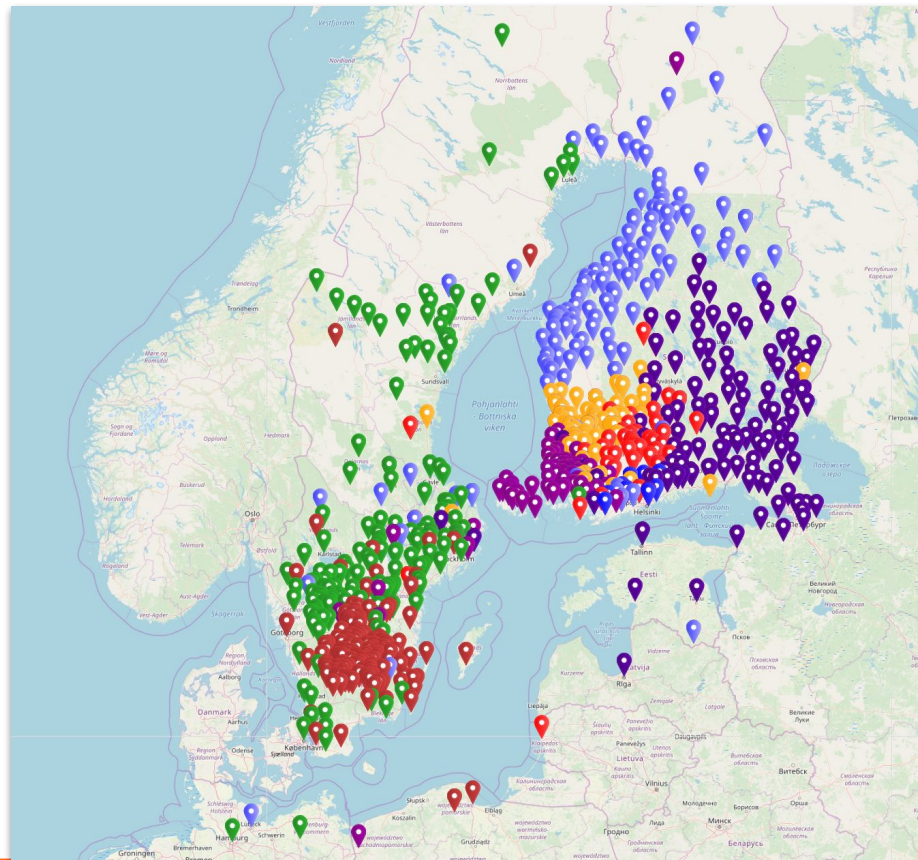
Occupations by five most common categories,
total count and percentage by enrollment year 1640–1900



Places

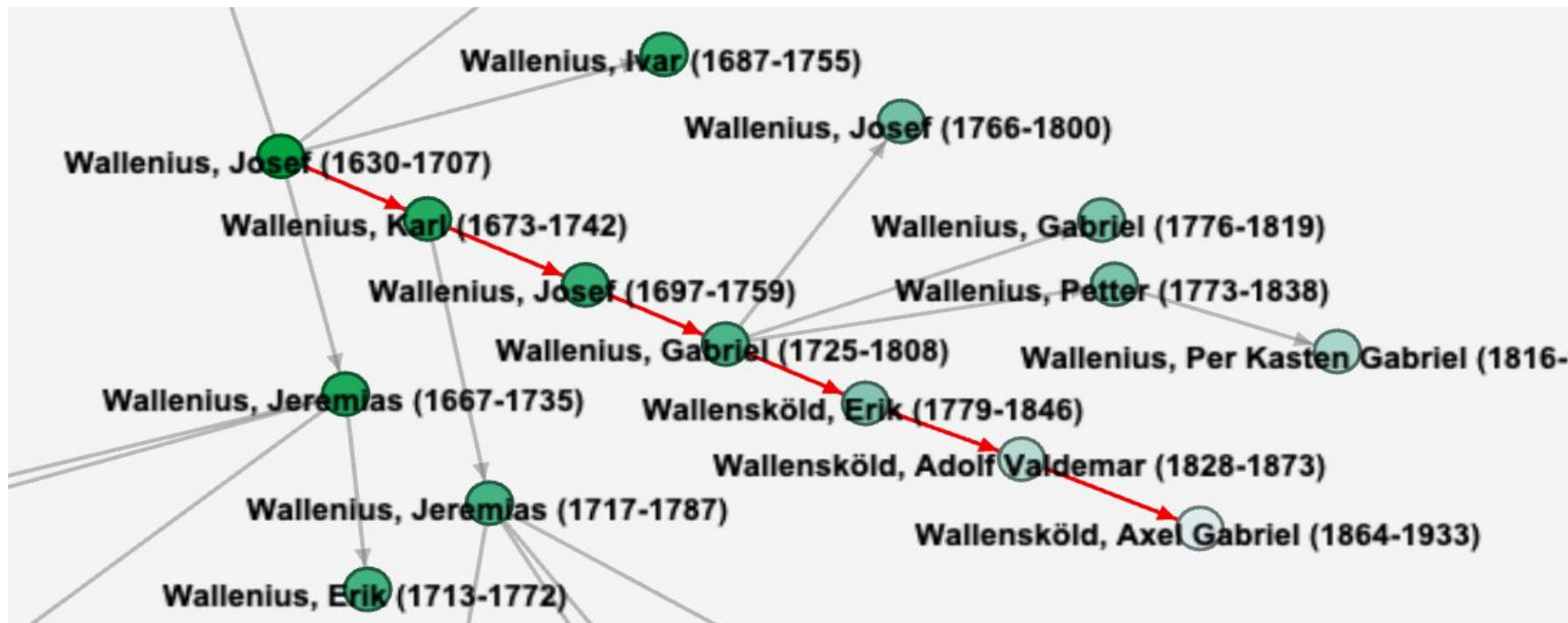
Places of birth 1640–1800,
color by Student Nation:

- Swedish
- Botnia
- West Finland
- Tavastia
- Boreal
- Nyland
- Wyburg
- Småland



Family relations

e.g. Josef Wallenius has 64 descendants in the data set and a family line of seven generations



Thank you!



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