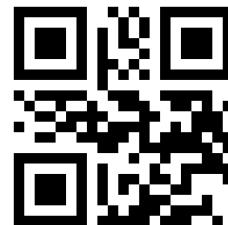


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Experience

Systems Developer

Lund University, Department of Art and Cultural Sciences

2023 – Now

Department of Art and Cultural Sciences

Research Engineer

Lund University, Department of Media and Communication

2021 – 2023

DigitalHistory@Lund

Research Assistant

Lund University, CIRCLE

2020 – 2021

Research Assistant

Lund University, Department of Economic History

2015 – 2018

Projects

Contentious Gatherings

Lund University, 2024 – 2027+

The Contentious Swedes: Repertoires of contention and democratization in Sweden, 1820-1939 is a VR-financed History project that depends our understanding of Sweden's democratization by examining changes in the political use of public space from 1820 to 1939. The project sheds light on the political use of Contentious Gatherings such as public meetings, election meetings, and demonstration marches in public space. The starting point is that public meetings in Sweden in 1820 were forbidden, while they in 1939 not only were permitted, but also that most people then had knowledge of and access to the public space to make politics.

DigitalHistory@Lund

Lund University, 2021 – 2023+

DigitalHistory@Lund is an interdepartmental research platform dedicated to advancing digital history research at Lund University. It works to integrate existing digital history projects and supports the design and execution of new projects. At the same time, the platform strives to build local digital history capacity through skills training workshops, research seminars, research engineer support, and by developing new courses in digital history.

Modern Times 1936

Lund University, 2023 – 2025

What is it that software sees, hears and perceives when technologies for pattern recognition are applied to media historical sources?

Education

Economic History

Master Programme

Lund University, Department of Economic History

2014 – 2016

Finance and Banking*Bachelor Programme*

Babes-Bolyai University, Department of Finance

2011 – 2014

Teaching & Learning - Extension*Independent course*

Lund University, Division for Higher Education Development

2023 – 2023

Teaching and Learning in Higher Education*Independent course*

Lund University, Division for Higher Education Development

2022 – 2023

Deep Learning and Artificial Intelligence Methods*Master course*

Lund University, Department of Statistics

2022 – 2023

Publications**Journal Digital Corpus Swedish Newsreel Transcriptions**

Robert Aspenskog, Mathias Johansson & Pelle Snickars

*Article, Journal of Open Humanities Data, 2025-08-04*DOI: <https://doi.org/10.5334/johd.344>**Structural Reading Developing the method of Structural Collocation Analysis using a case study on parliamentary reporting**

Mathias Johansson & Betto van Waarden

Article, Historical Methods: A Journal of Quantitative and Interdisciplinary History, 2024-10-17

DOI: 10.1080/01615440.2024.2414259

Automatic Identification of Hate Speech – A Case-Study of alt-Right YouTube Videos

Johan Eddebo, Mika Hietanen & Mathias Johansson

F100Research, 2024-04-23

DOI: 10.12688/f100research.147107.1

Historical GIS and Guidebooks: A Scalable Reading of Czechoslovak Tourist Attractions

Sune Bechmann Pedersen & Mathias Johansson

Article, DHQ, 2023-05-27

DOI: 10.5281/zenodo.10498921

Democracy (Not) on Display: A Structural Collocation Analysis of the Mother of All Parliaments' Reluctance to Broadcast Herself

Betto van Waarden & Mathias Johansson

Article, Parliamentary Affairs, 2023-03-08

DOI: 10.1093/parl/gsad002

Linking innovations and patents - a machine learning assisted method

Mathias Johansson, Jakob Nyqvist & Josef Taalbi

Working paper, SSRN, 2022-06-03

DOI: 10.2139/ssrn.4127194

Detecting Important Swedish Innovations By Text Mining Articles From the 1970s

Mathias Johansson

*MSc, 2016-09-09***Teaching****ABMM06 - ALM: Research Methods (2025)**

Lund University – Advanced

Held two lectures about quantitative methods.

DIKM01: Digital Historia (2025)

Lund University – Advanced

Three digital labs.

ABMF10: Digitalt kulturarv (2025)

Lund University – Advanced
Three digital labs.

HIS41 - Digital History (2024)

Lund University – Advanced
In the second iteration of the course, we expanded the methodology labs – a response to the student feedback from the previous year.

HIS41 - Digital History (2023)

Lund University – Advanced
My first time teaching a large part of a course. I was responsible for the methodology part.

ABMM06 - ALM: Research Methods (2023)

Lund University – Advanced
Prepared and held three lectures on rudimentary statistics and digital activities.

Software & Code

kb-trend

Application, 2025-12-18

This is a tool for extracting trendlines for searches in the National Library of Sweden's (Kungliga Biblioteket; KB) search API. It comes in two variants, firstly is the python implementation published on PyPI and therefore pip-installable. This tool is able to perform a battery of queries to create aggregated and disaggregated timelines. The second is a much simpler form, which is a SPA (Single Page Application) hosted as a static site on GitHub. This version performs a single query at a time and produces a downloadable .csv file of the data and relevant metadata – such as the full URL of the query.

Repository: <https://github.com/DigitalHistory-Lund/kb-trend>

ToK reader

Application, 2025-12-10

This is a JavaScript based tool for reading exchanges of utterances from the swedish parliamentary debates for the *Tal om Kvinnor* project. The material is retrieved from the SWERIK project and has been [pre processed](#) in preparation for this reader, namely:

Repository: <https://github.com/DigitalHistory-Lund/ToK-Reader>

Journal Digital Corpus - Reader

Application, 2025-11-22

A javascript based SPA (Single Page Application) for exploring and reading the timestamped Journal Digital Corpus right in the browser. This is hosted as a static website on GitHub and loads the publicly available corpus into the user's browser to make it readable and searchable. It can also produce stable URLs with search queries and selected results. This way it is possible to create a permanent bookmark to a specific part of a specified version of the corpus.

Repository: https://github.com/Modern36/jdc_reader

Journal Digital Corpus - Map

Application, 2025-10-16

A javascript based tool for exploring the geographical dimensions of the Journal Digital Corpus.

Repository: <https://github.com/Modern36/jdc-map>

SweScribe

Application, 2025-06-02

Tool for automatic speech recognition of Swedish newsreels.

Repository: <https://github.com/mathjoha/swescribe>

stum

Application, 2025-06-02

A tool for extracting intertitle-texts from Swedish newsreels.

Repository: <https://github.com/modern36/stum>

sca

Application, 2025-05-23

This is a python + sqlite implementation of the method *Structural Collocation Analysis* as described in [Structural reading: Developing the method of Structural Collocation Analysis using a case study on parliamentary reporting](#) and used in [Democracy \(Not\) on Display: A Structural Collocation Analysis of the Mother of All Parliaments' Reluctance to Broadcast Herself](#)

Repository: <https://github.com/mathjoha/sca>

Personal Planerare

Application, 2024-10-03

A javascript based SPA (Single Page Application) for planning ratios between teaching and research at the Department of Arts and Cultural Sciences.

Repository: https://github.com/mathjoha/Kultur_Personalplaneraren

freewrite

Application, 2024-01-02

A *textual*-powered application for **freewriting**.

Repository: <https://github.com/mathjoha/freewrite>

CITADEL

Application, 2022-12-16

CITADEL (plaCename dIsambiguaTion AnD gEocoding appLication) is a toponym disambiguation tool developed during the course of the article **Historical GIS and Guidebooks**

Repository: <https://github.com/mathjoha/citadel>

Datasets

Audiovisual Analysis of Journal Digital

Dataset with code, 2026-01-02

DOI: 10.5281/zenodo.18130784

Geographical Analysis of Journal Digital

Dataset with code, 2026-01-02

DOI: 10.5281/zenodo.18131655

Journal Digital Corpus

Corpus, 2025-06-05

DOI: 10.5281/zenodo.15596191

SWINNO v3.0.0

Dataset, 2024-01-31

DOI: 10.5281/zenodo.10602308

Supplementary material to ‘Automatic Identification of Hate Speech – A Case-Study of Alt-Right YouTube Videos’

Annotated corpus, 2024-01-08

DOI: 10.5281/zenodo.10471915

UK Hansard 1935-2014

Corpus, 2022-11-24

DOI: 10.5281/zenodo.7348818

Historical GIS and Guidebooks:

2022-11-24

DOI: 10.5281/zenodo.7418864