

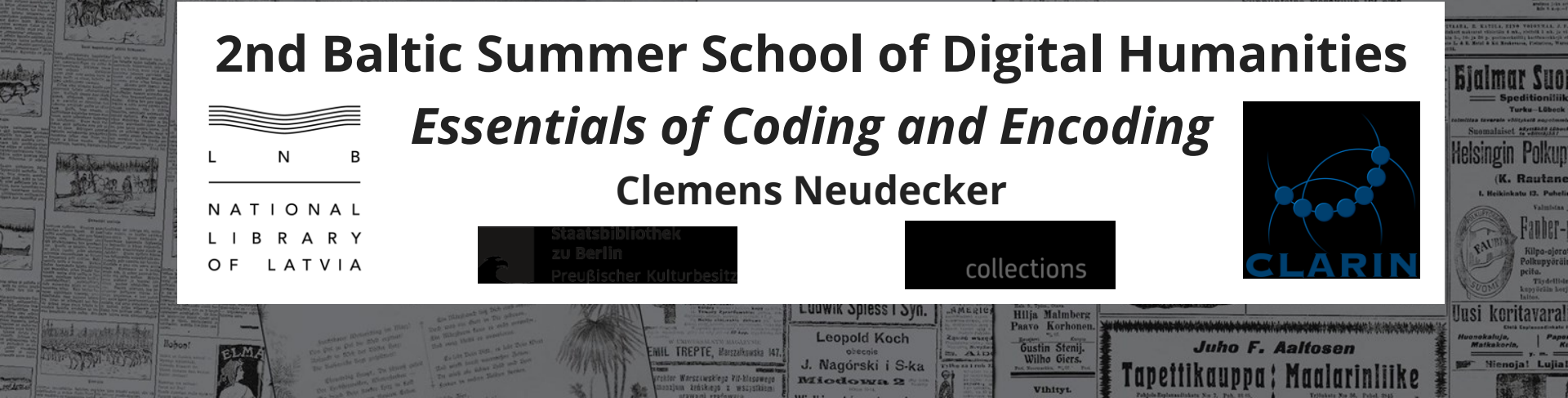


The many uses of digitized newspapers

2nd Baltic Summer School of Digital Humanities

Essentials of Coding and Encoding

Clemens Neudecker



about:me

- Studied Philosophy, Computer Science and Political Science at LMU University of Munich
- 2003 - 2009: Researcher at the Bavarian State Library
- 2009 - 2014: Research Coordinator at the National Library of the Netherlands
- 2014 - now: Research Manager at the Berlin State Library

- Main areas of interest: Optical Character/Layout Recognition, Natural Language Processing, Machine/Deep Learning, Digital Humanities

- Find me at <https://cneud.net> or on Twitter [@cneudecker](https://twitter.com/cneudecker)

Introduction to newspapers

What is a newspaper? → Too diverse, difficult to define

Appears in a serial fashion, with regular frequency

Shorter number of pages but larger page size

National/regional/local scope, specific communities (e.g. expats, minorities)

Why Newspapers are a great source for DH

Multimodal content - text, images, statistics

Broad wealth of topics: news, novels, humour, weather, births & deaths, etc.

Captures details of the daily life in the past - events and (details of) discussions that did not make it to the history textbooks

<https://minorecs.hypotheses.org/495>

Why Newspapers are a terrible source for DH

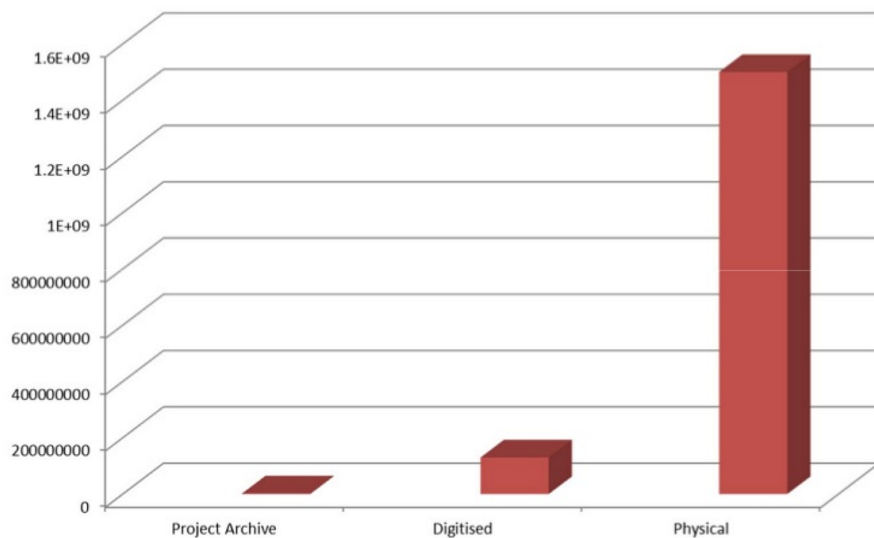
OCR quality

Article segmentation and reading order challenges

Lack of coverage/digitization bias

Representation and Absence

Quantities of newspapers – a) in project b) digitised in total c) in physical libraries



Newspaper digitization



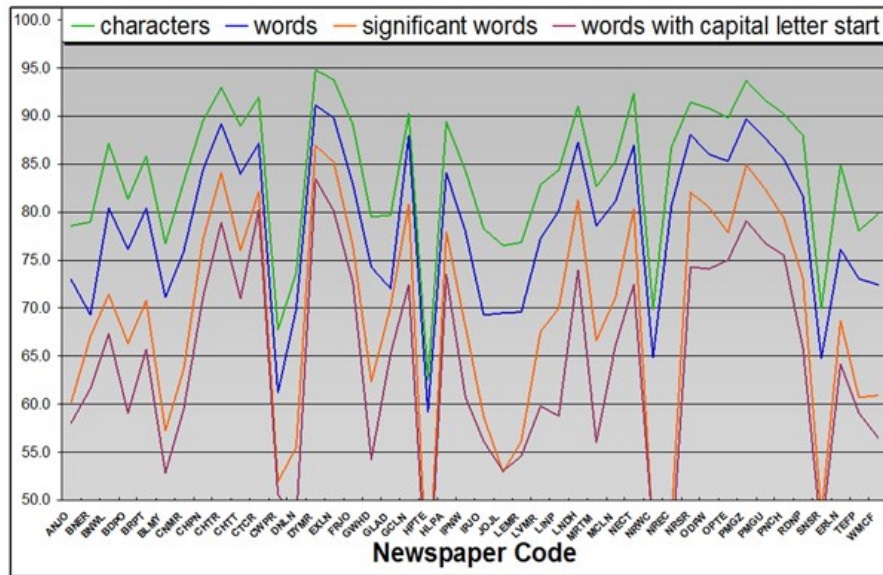
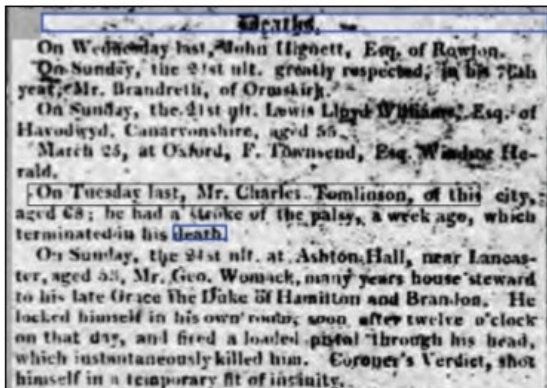
Text Recognition

raw OCR text

Deaths. In>rieff, Esq. of <c .. Qn. Sunday, the till. greatly Drandrellt, of Orms4\irJi. - ~ ; ;✓' . * On ijfr r inn ljjjil F iij '11 f Havodivyd, Carnarvonshire, S ; ** " - ' « ' March Oxford, F. Tfovmeud, Uerald. » • V .
• On Tnesdav last, Mr. Charles. IWilinson, this 8 ; had vf thesis#,., a week ago, which terminate<i'iu his death. . / ' ■ O'i Sunday, dJst nit. at AsbtCnvHall, mar Lancaster, Mr.,Geo. Worn ick, many years house'steward hit late Once The Hamilton and Brandon. He locked himself h>O'Wn'r<wte<: soon. twelve o'clock" that dny, and fii>d a loaded pistol "through Ins bead, 1 which instantaneously killed him. Coronet's Verdict, shot himself in a temporary fit of Friday week,

Excerpt from The British Newspaper Archive, Chester Courant, Tuesday 6-Apr-1819, page 3.

newspaper image




Named Entity Recognition

In 1917, Einstein applied the general theory of relativity to model the large-scale structure of the universe. He was visiting the United States when Adolf Hitler came to power in 1933 and did not go back to Germany, where he had been a professor at the Berlin Academy of Sciences. He settled in the U.S., becoming an American citizen in 1940. On the eve of World War II, he endorsed a letter to President Franklin D. Roosevelt alerting him to the potential development of "extremely powerful bombs of a new type" and recommending that the U.S. begin similar research. This eventually led to what would become the Manhattan Project. Einstein supported defending the Allied forces, but largely denounced using the new discovery of nuclear fission as a weapon. Later, with the British philosopher Bertrand Russell, Einstein signed the Russell-Einstein Manifesto, which highlighted the danger of nuclear weapons. Einstein was affiliated with the Institute for Advanced Study in Princeton, New Jersey, until his death in 1955.

Tag colours:

LOCATION TIME PERSON ORGANIZATION MONEY PERCENT DATE

Europeana Newspapers (history)



Connecting knowledge

HOME DISCOVER ACCESS OUR DATA

Search all European Library content... [GO](#) [Advanced search](#)

[Home](#) → [Newspapers Home](#)

The TEL portal[1] has been frozen since 31 December 2016. Over the course of 2017, we will be working to migrate all data and functionalities of Europeana Newspapers to the Europeana Collections platform. In the meantime, the service may be unresponsive at times and errors may occur; we apologise for any inconvenience.

For updates follow us on [Twitter](#)[2] and [Facebook](#)[3].

[1] <http://www.cenl.org/resources/press-releases>

[2] <https://twitter.com/eurnews>

[3] <https://www.facebook.com/EuropeanaNewspapers>

[Search](#) [Discover](#) [Content](#) [Project](#)

Search Newspapers

Search within historic newspapers... [GO](#) 

▶ [Filter by library, date or language](#)

On This Day In History




Show all newspapers titles

You can search through all available newspaper titles in the Newspapers portal




Show all newspapers issues

You can search through all available newspaper issues in the Newspapers portal

 Explore newspapers by country
You can search a map showing source of newspapers

 Explore newspapers by date
You can discover the newspaper content by date of publication

 Explore newspapers by title
You can browse all available titles alphabetically

[FREQUENTLY ASKED QUESTIONS](#)

Final Report

Europeana Newspapers

Special Issue - Final Report

The Europeana Newspapers project (www.europeana-newspapers.eu) is an EU-funded Best Practice Network to make European digital historical newspapers available via Europeana (www.europeana.eu) & The European Library (www.theeuropeanlibrary.org).



20+ million newspaper pages available online

The 18 partners in the Europeana Newspapers project aimed to make Europe's digital historical newspapers more accessible

The overall amount of digitised newspapers that can now be accessed online has been increased dramatically:

In terms of volume and functionality, the Europeana Newspapers portal is on par with other major international newspapers digitisation programmes such as



20 August 2015

**Free and
Open Source
Software Tools
for Newspapers**

The Europeana Newspapers project has developed a number of free and open source software tools. These tools can help libraries and other institutions to refine their digitised historical newspapers and to evaluate the quality of the refinement.

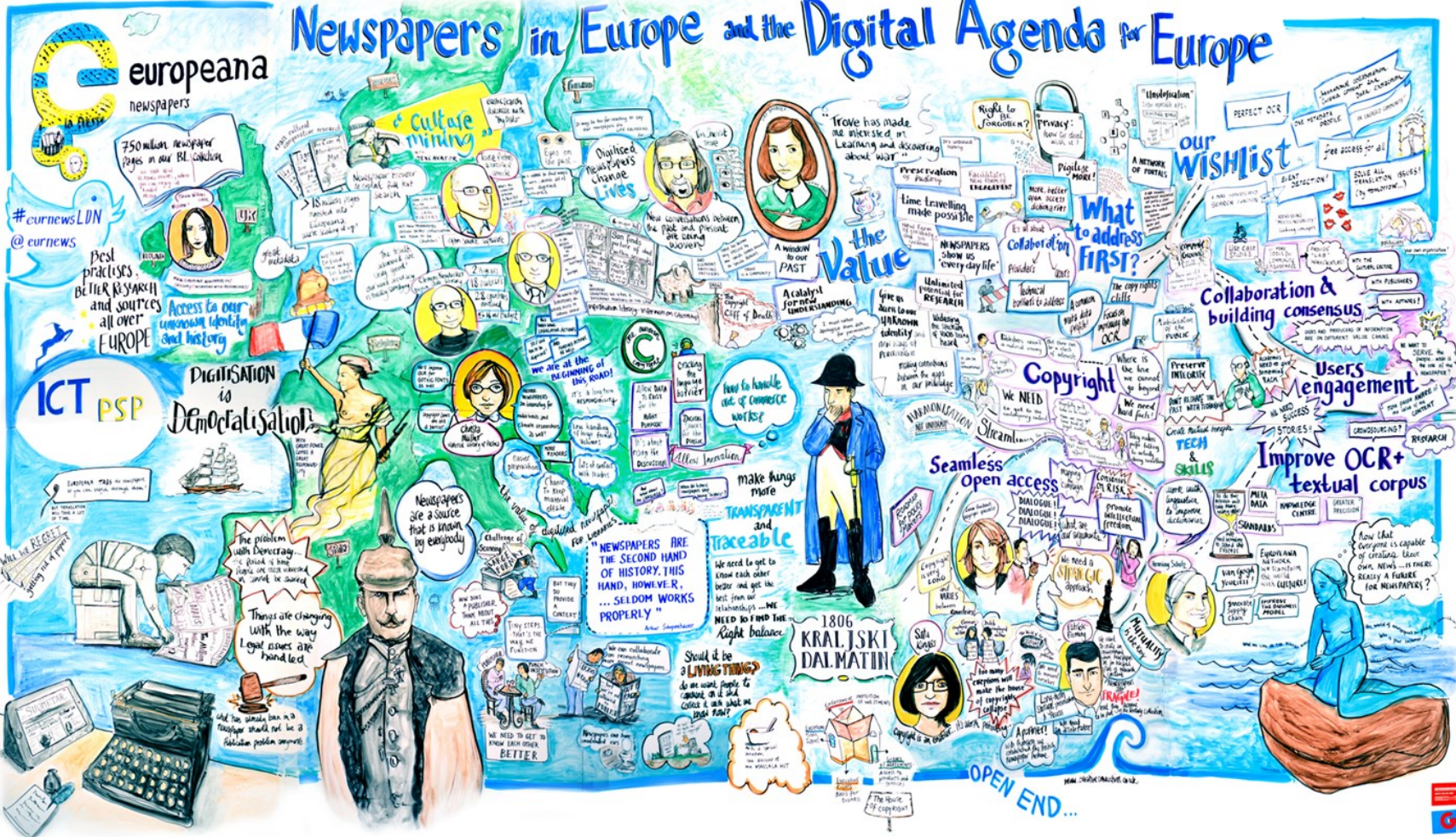


europeana
newspapers

Project fact sheet

Europeana Newspapers is a project funded by the European Commission's ICT Policy Support Programme as part of the Competitiveness and Innovation framework Programme (CIP). The total project budget comprised €5.2 million, with a max. EC contribution of €4.1 million. The project consortium brought together a total of 18 partners, coordinated by the [Berlin State Library](http://www.sbbw.de)

Newspapers in Europe and the Digital Agenda for Europe



Europeana Newspapers (now)

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 [Newspapers](#)



NEWSPAPERS

Browse ▾

Explore four centuries of history in 4,190,629 newspapers from across Europe

AMERIKA'S VERKIEZINGS-CAMPAGNE: RECHT

De strijd voor de democratie?

In een volgend deel van de 'Spectator'...
 De strijd voor de democratie...
 De strijd voor de democratie...
 De strijd voor de democratie...

...die buitenslands hand te dromen...
 ...Een de bode, wettende, schroom...
 ...vrijge Truwan, die zonder veel...
 ...ind de plaats van de grote...
 ...dane verchelden moest...
 ...veel ontgelyken; in de...
 ...jaar van zijn...
 ...samen, en...
 ...den, om...
 ...verden, zijn...
 ...aan...
 ...aan...
 ...aan...

...Een de bode, wettende, schroom...
 ...vrijge Truwan, die zonder veel...
 ...ind de plaats van de grote...
 ...dane verchelden moest...
 ...veel ontgelyken; in de...
 ...jaar van zijn...
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...Een de bode, wettende, schroom...
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 ...dane verchelden moest...
 ...veel ontgelyken; in de...
 ...jaar van zijn...
 ...samen, en...
 ...den, om...
 ...verden, zijn...
 ...aan...
 ...aan...
 ...aan...

Various 'Oranjestad' newspaper articles,
 Museum
 CC BY



The Paris World Exhibition: 1889 in Newspapers



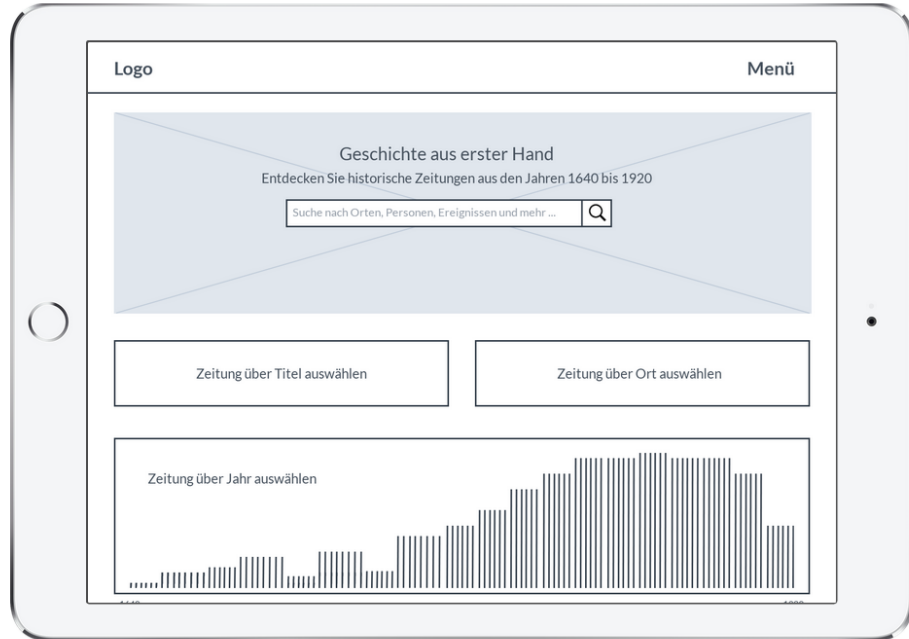
Newspapers of World War I



Newspapers in 1989

FEEDBACK

DDB Zeitungsportal



ZDB

Frankfurter Allgemeine : Zeitung für Deutschland. Ausgabe D

Frankfurt, M. : Frankfurter Allgemeine Zeitung 1949,1(1.Nov.) -

Optionen



Weniger Titelinformationen

ZDB-ID: 210821-5
Titel: Frankfurter Allgemeine : Zeitung für Deutschland
Untereinheit: Ausgabe D
Beteiligt: [Erich Weiler, Mitwirkender](#)
Erschienen: Frankfurt, M. : Frankfurter Allgemeine Zeitung
Mikrofilm-Ausg.: Bonn : Mikropress, 1949 - 2003. 35 mm
1949,1(1.Nov.) -
Erscheinungsverlauf: Nebent.: Frankfurter allgemeine Zeitung
Anmerkungen: Zitiert.: FAZ
Sachl. Benennung teils: Deutschland-Ausgabe
Periodizität: tägl.; Aufl. 1996: 400.210. - 1978,15.-20.3. wegen Streik nicht ersch.
[Mehr](#)

Frühere/spätere Titel: Vorg.: [\[Allgemeine Zeitung <Mainz> / Hauptausgabe mit Wirtschaftsblatt\]](#)
Andere Ausgaben: Parallele Ausg.: [\[Frankfurter Allgemeine / B\]](#)
Sonntagsausg.: [\[Frankfurter Allgemeine / Sonntagszeitung / D\]](#)
Auszug: [FAZ-Audio-Dossier](#)
Auszug: [FAZ-Länder-Report](#)
[Mehr](#)

hat Beilagen: Beil.: [The red Bulletin](#)
Beil.: [Chrismon](#)
Beil.: [Blick durch die Wirtschaft](#)
Beil.: [Immo real](#)
[Mehr](#)

Verbreitungsort(e): [Frankfurt am Main](#)
Standardnummern: Autorisierte ISSN: 0174-4909
OCLC-Nr.: 644830569
Sacherschließung: DDC-Sachgruppen der ZDB: [050 Zeitschriften, fortlaufende Sammelwerke](#)
Dewey-Dezimalklassifikation: 073
Weitere Klassifikation(en): Rheinland-Pfälzische Bibliographie (rpb)100 : 620, Regensburger
Verbundklassifikation (rvk)AZ 90000
Schlagwörter:

Erscheinungsform: Frankfurt am Main ; Zeitung
Veröffentlichungsform: Zeitung
Sprache: Zeitungen für die allgemeine Öffentlichkeit ; Überregionale Zeitungen
Erscheinungsland: [Deutsch](#)
Medientyp: [Deutschland](#)
Erscheinungsfrequenz: Print
IDN: täglich
011223278

Frankfurter Allgemeine : Zeitung für Deutschland. Ausgabe D

Frankfurt, M. : Frankfurter Allgemeine Zeitung 1949,1(1.Nov.) -

Optionen



Mehr Titelinformationen

Bestand Bestandsvergleich Bestandskarte Titelhistorie Titelrelationen

Titelrelationen

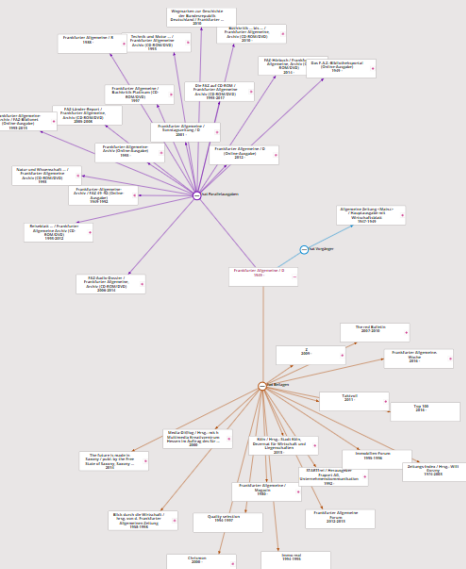
Druck

PNG



Mehr Relationen anzeigen

Weniger Relationen anzeigen



Interviews with Researchers

Q&A with newspaper researchers: Sophie Kurkdjian

Posted on 20 March, 2015 by eurnews — 2 Comments ↴



Within the Europeana Newspapers project, we often speak of the value of historic newspapers for the academic community but how [Continue reading](#) →

Q&A with newspaper researchers: Timo Honkela

Posted on 30 October, 2014 by eurnews — No Comments ↴



Within the Europeana Newspapers Project, we often speak of the value of historic newspapers for the academic community but how [Continue reading](#) →

Q&A with newspapers researchers: Toine Pieters

Posted on 31 March, 2014 by eurnews — 1 Comment ↴



Within the Europeana Newspapers project, we often speak of the value of historic newspapers for the academic community but how [Continue reading](#) →

Q&A with newspaper researchers: Kärliis Vērdrīņš

Posted on 29 April, 2014 by eurnews — No Comments ↴



Within the Europeana Newspapers project, we often speak of the value of historic newspapers for the academic community but how [Continue reading](#) →

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Cite: <http://nla.gov.au/nla.news-article625439>

Tags (Keywords) [Add/Edit Tags](#)

[colonial news](#) [Government notice](#) [Norfolk Island](#) [Tas Settlement](#) [NSW Corps](#) [Orphan Fund](#) [Robert Campbell](#)

Comments [Add New Comment](#)

No comments yet.

ELECTRONICALLY TRANSLATED TEXT

[Why may this text have mistakes?](#) [Help fix this text!](#)

Text [corrected most recently by [Stephen Arnold](#) - [Show corrections](#)]

General Orders.

REPEATED Complaints having been

made of the great losses sustained by the Settlers at Hawkesbury, from the vexatious conduct of the Boatmen by whom they send their Grain to Sydney, the following Regula-

tions are to be observed. [Help fix this text!](#)

Every person sending grain from the Hawkesbury to Sydney in an open boat, or a boat that is not trust-worthy, the Magistrates are directed to take no notice thereof.

If, on proof it appears that the Master of a Boat receives more grain than the vessel ought to take with safety, the Master shall make good any quantity he may throw overboard, or otherwise damage, lose the freight of that part, and, on conviction before two Magistrates, forfeit 5l. to the Orphan

Fund.

If it shall appear to the Magistrates that grain coming round to Sydney has been

General Orders.

REPEATED Complaints having been made of the great losses sustained by the Settlers at Hawkesbury, from the vexatious conduct of the Boatmen by whom they send their Grain to Sydney, the following Regulations are to be observed.

Every person sending grain from the Hawkesbury to Sydney in an open boat, or a boat that is not trust-worthy, the Magistrates are directed to take no notice thereof.

If on proof it appears that the Master of a Boat receives more grain than the vessel ought to take with safety, the Master shall make good any quantity he may throw overboard, or otherwise damage, lose the freight of that part, and, on conviction before two Magistrates, forfeit 5l. to the Orphan

read to the Guard [View entire page](#)
Hulk.

By Command of His
Exceiency W. N. CHAPMAN
Government House, Feb. 21, 1803.

THE Receiving Granaries at Parramatta and Hawkesbury, being filled with Wheat which is spoiling, no more can be taken at those places until further Orders, in payment for Government Debts, and Whalers Investments lodged in the Stores.

Wheat will continue to be received in the Stores at Sydney, until further Orders.

Wheat will be issued to the Civil, Military, &c. until further Orders; except detachments and labouring people at Cessnock Hill, Seven-Hills, and other Out Posts, who will receive Flour, as they have not the convenience of Mills.

ZOOM

Tim Sherratt & Trove

DIGITISED NEWSPAPERS AND THE VARIETIES OF VALUE

GOOD VALUE

At the present time everyone finds it necessary to study expenditure and get as good value for their money as possible. No advance has been made in the price of Dr. Morse's Indian Root Pills, although the cost of producing the Pill has gone up enormously, and an advance in price would be justified. There are on an average of forty pills in each bottle, and they are sold generally throughout Aus-

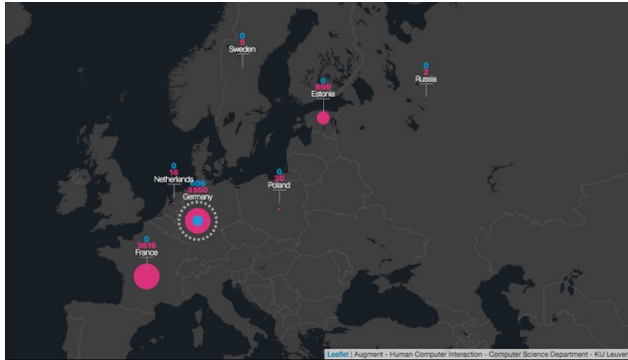


... of a little

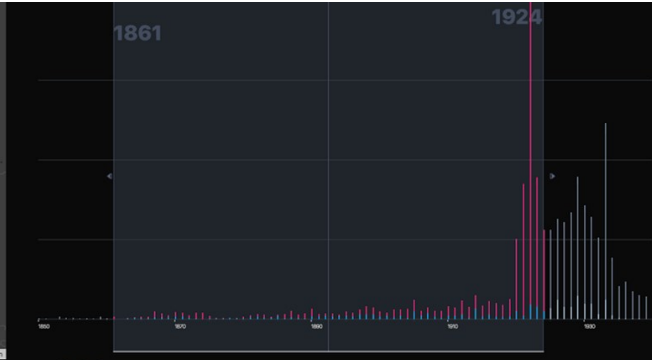


TIM SHERRATT (@WRAGGE)
NATIONAL LIBRARY OF AUSTRALIA

Data visualization



Fremden-Blatt 1861 1862	Hamburger Nachrichten 1861 1862	Börsen-Halle / ab 1905 1861 1862	Berliner Tageblatt 1861 1862	Berliner Börsenzeitung 1861 1862
Neue Hamburger Zeitung 1861 1862	Volkszeitung (1890-1904) 1861 1862	Hamburger Anzeiger 1861 1862	Neue Fremden-Blatt 1861 1862	Altonaer Nachrichten 1861 1862
Altonaer Nachrichten / 1861 1862	Klosterfurter Zeitung 1861 1862	Neue Freie Presse 1861 1862	Wiener Zeitung 1861 1862	Die Presse 1861 1862
Morgen-Post 1861 1862	Innsbrucker Nachrichten 1861 1862	Revaler Bote 1861 1862	Börsen-Halle 1861 1862	Grazer Volksblatt 1861 1862
Eestmaa Kubermangu Teataja 1861 1862	Das Vaterland 1861 1862	Teplitz-Schönauer Anzeiger 1861 1862	Our-Liste Bad Ischl 1861 1862	Tages-Post 1861 1862
Illustrirtes Wiener Extrablatt 1861 1862	Feldkircher Zeitung 1861 1862	Figaro 1861 1862	Wiener Salonblatt 1861 1862	Poltsche Frauen-Zeitung 1861 1862
Die Debatte 1861 1862	Blätter für Musik, Theater und 1861 1862	Linzor Volksblatt 1861 1862	Die Neuzeit 1861 1862	Osterrnischische 1861 1862



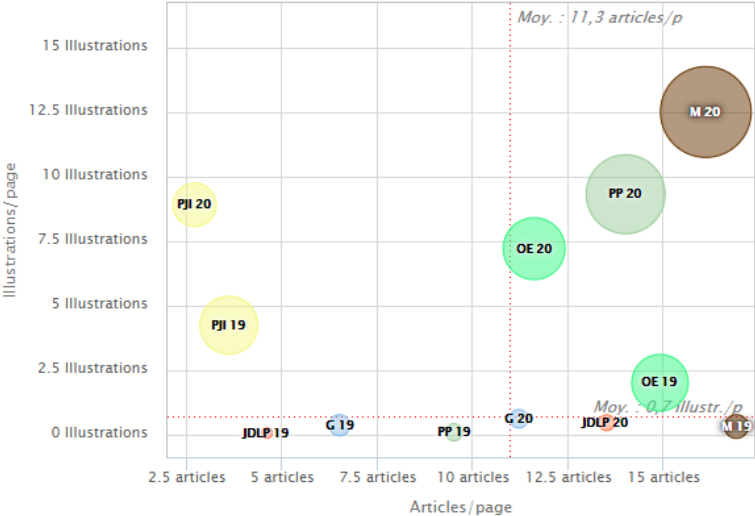
606

1923 Börsen-Halle / ab 1905; Hamburgische	1923 Börsen-Halle / ab 1905; Hamburgische	1923 Börsen-Halle / ab 1905; Hamburgische	1923 Börsen-Halle / ab 1905; Hamburgische
1923 Börsen-Halle / ab 1905; Hamburgische	1923 Börsen-Halle / ab 1905; Hamburgische	1923 Börsen-Halle / ab 1905; Hamburgische	1923 Börsen-Halle / ab 1905; Hamburgische
1923 Börsen-Halle / ab 1905; Hamburgische	1922 Börsen-Halle / ab 1905; Hamburgische	1922 Börsen-Halle / ab 1905; Hamburgische	1922 Börsen-Halle / ab 1905; Hamburgische
1922 Börsen-Halle / ab 1905; Hamburgische	1922 Börsen-Halle / ab 1905; Hamburgische	1922 Börsen-Halle / ab 1905; Hamburgische	1922 Börsen-Halle / ab 1905; Hamburgische
1922 Börsen-Halle / ab 1905; Hamburgische	1922 Börsen-Halle / ab 1905; Hamburgische	1921 Börsen-Halle / ab 1905; Hamburgische	1921 Börsen-Halle / ab 1905; Hamburgische
1921 Börsen-Halle / ab 1905; Hamburgische	1921 Börsen-Halle / ab 1905; Hamburgische	1921 Börsen-Halle / ab 1905; Hamburgische	1921 Börsen-Halle / ab 1905; Hamburgische

Data Mining Digitized Newspapers

Average number of articles/illustrations/illustrations on front page, per page

Source: Europeana Newspapers, BnF



Retronews

Au quotidien Par époque

RETRONEWS
Le site de presse de la BnF

SE CONNECTER S'ABONNER

RECHERCHE AVANCÉE +

Rechercher parmi 3 siècles de presse en ligne

CANICULE FOOTBALL FÉMININ TROTINETTE VACANCES PEGGY REED

— Les unes à la une, plus de 400 titres pour découvrir l'histoire de la presse

Parcourez plus de 400 titres de presse d'information générale, régionale, coloniale et spécialisée publiés entre 1631 et 1950. Chaque mois RetroNews s'enrichit de nouveaux journaux pour une couverture approfondie de toutes les époques.

VOIR TOUTS LES JOURNAUX



Le Petit Journal
19 juillet 1938



Le Petit Journal
19 juillet 1908



La Justice
19 juillet 1894

Viral Texts

Network of "Viral Text" Sharing, 1836-1899

This graph illustrates connections among pre-Civil-War newspapers from the Library of Congress' [Chronicle of America newspaper archive](#) and Making of America magazine archive. The circles (nodes) in the graph represent individual newspapers, while the lines between them (edges) represent shared texts discovered by researchers working on the [Viral Texts project](#), sponsored by Northeastern University's [NULab for Texts, Maps, and Networks](#). For more information about the project, visit viraltxts.org.

[i](#) More about this visualisation

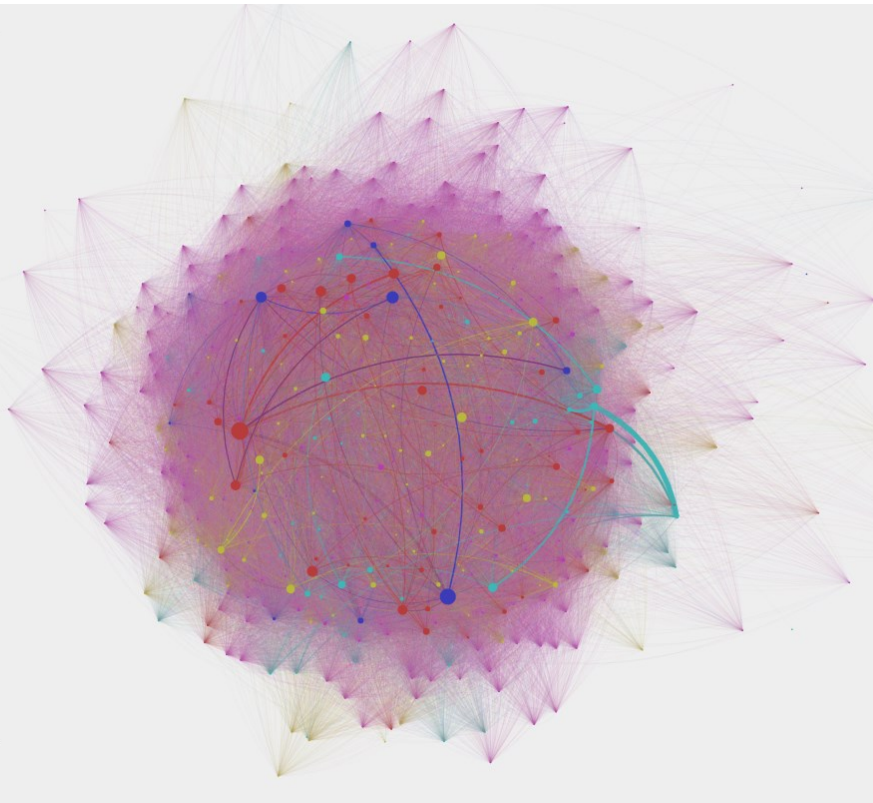
Legend:

- Newspapers or Magazines
- "Viral Texts" shared Between Publications. A thicker line indicates more shared reprints
- Communities of periodicals that frequently share reprinted texts

Search:

 ▶

Group Selector:

 ▼

Oceanic Exchanges



Oceanic Exchanges (OcEx) is funded through the [Transatlantic Partnership for Social Sciences and Humanities 2016 Digging Into Data Challenge](#).

The dramatic expansion of newspapers over the 19th century created a global culture of abundant, rapidly circulating information. The significance of the newspaper has largely been defined in metropolitan and national terms in scholarship, while digitization by local institutions further situates newspapers in national contexts. OcEx brings together leading efforts in computational periodicals research from six countries—Finland, Germany, Mexico, the Netherlands, the United Kingdom, and the United States—to examine patterns of information flow across national and linguistic boundaries.

impresso



HOME

BLOG

Project

OVERVIEW

COMPUTATIONAL LINGUISTICS

DESIGN

HISTORICAL RESEARCH

Consortium

PEOPLE

PARTNERS

ASSOCIATED PARTNERS

CONTRIBUTORS



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Media Monitoring of the Past

Mining 200 years of historical newspapers

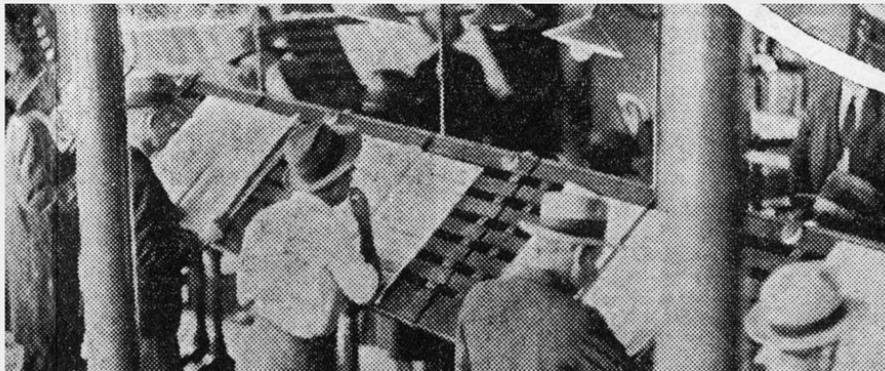
How can newspapers help understand the past? How to explore them?

—

The objective of the project "Media monitoring of the past. Mining 200 years of historical newspapers" is to enable **critical text mining of newspaper archives** with the implementation of a technological framework to extract, process, link, and explore data from print media archives. Supported by an **INTERDISCIPLINARY CONSORTIUM** composed of computational linguists, digital humanists, designers, historians, librarians and archivists, *impresso* (i.e. "what has been printed") will tackle the challenges of **content enrichment and data representation, visualization and analysis**, completed by **methodological and epistemological reflections**. Expected outcomes include, among others, a set of natural language processing (NLP) tools dedicated to historical print media, visualization interfaces for active exploration and critical analysis of newspaper corpora in a transparent manner, as well as a digital history research project on resistance to European unification in the late 19th and early 20th centuries.

Time frame: September 2017 - August 2020

Funding: Swiss National Science Foundation



Try our interface
[impresso-project.ch/app/](#)

NewsEYE



PROJECT BLOG CONSORTIUM CASE STUDIES MEDIA PUBLICATIONS CONTACT



Upcoming events

26 2019 **IFLA WLIC CONFERENCE. NEWS EYE PRESENTATION BY NATIONAL LIBRARY OF FINLAND**
000-00 #Athens, Greece
Session: News Media Section and Digital Humanities Initiative Open Session, attended by Juha Rautialainen and Minna Kaukonen (NLF)
<https://2019.ifla.org/>

Newspapers collect information about cultural, political and social events in a more detailed way than any other public record. Since their beginnings in the 17th century they are recording billions of events, stories and names, in almost every language, every country and every day. Newspapers were always an important medium for the dissemination of public and political opinions, literary works, essays and art. This thematic wealth sets them at the center stage for anyone interested in European cultural heritage.

Tweets by @NewsEyeEU

NewsEye Retweeted
Dr Mia Ridge
@mia_out
Do you work for a @LIBERurope member library? They're looking for new members for their Digital Humanities & Digital Cultural Heritage Working Group. Find out more about past and future goals liberurope.eu/blog/2019/07/11...



Wanted: New Members to...
After the successful present...
liberurope.eu

Jul 19, 2019

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Great #newsyeuu news!

Jul 19, 2019

NewsEye Retweeted
Clemens Neudecker
@cneudecker

More than a Feeling



Experience & Expectation ·
Historical Foundations of Economic Behaviour



Priority
Programme
1859

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[/ More than a Feeling: Media Sentiment as a Mirror of Investors' Expectations at the Berlin Stock Exchange, 1872-1930](#)

Search



More than a Feeling. Media Sentiment as a Mirror of Investors' Expectations at the Berlin Stock Exchange, 1872-1930

[Jun.-Prof. Dr. Manuel Burghardt, Leipzig \(Principal Investigator\)](#)

[Prof. Dr. Mark Spoerer, Regensburg \(Principal Investigator\)](#)

[Lino Wehrheim M.Sc., Regensburg](#)

Investors' behaviour is not only influenced by information on fundamentals, such as future cash flows, but also by soft parameters, such as moods, emotions, or feelings. Accordingly, stock returns and trading volume are only partially determined by fundamentals. Recently, the notion of "investor sentiment" has attracted the attention of scholars in finance and financial economics. Although the understanding of the nature of sentiment is still far from being complete, there is considerable empirical evidence that sentiment plays a crucial role for financial markets. In this project, we follow the idea that sentiment is a belief about future developments that is not built upon facts and rational reasoning. Accordingly, sentiment can be regarded as being equivalent to investors' (non-fundamental) expectations. In this project, we aim to investigate the influence of sentiment for the case of the Berlin stock exchange between 1872 and 1930. We will use different computational sentiment analysis techniques (dictionaries, machine learning) to automatically extract sentiment from a daily column in the *Berliner Börsen-Zeitung*, which was the most important financial newspaper at the time. We will create a daily sentiment index which can be used to measure investors' expectations as defined above. In combination with content analysis methods, such as topic modelling and stock market data, we will investigate the impact of expectations and the accompanying narratives on the Berlin stock market, both quantitatively and qualitatively. As we will apply different text mining methods on a large scale, we build this project on an interdisciplinary cooperation between economic history and digital humanities to address the following questions: How did historical experiences, such as wars and political or economic shocks, change investor sentiment, i.e. investors' expectations, and how did sentiment influence financial markets? Has this influence changed over time? Which role did sentiment play in the development of financial and economic crises, and which were the narratives that accompanied high stock market fluctuations? Hence, our project aims to contribute directly to the priority programme's three central questions.

News and upcoming events

SPP1859 Working Paper No 9 published
Behrens, Evaluating the Joint Efficiency
of German Trade Forecasts

Second Funding Period (2019-2022) of
the PP1859 has started

Economic History Yearbook 59/2 (2018)
on "Experience and Expectation"
published, edited by Mark Jakob,
Alexander Nützenadel and Jochen Streb

Working Paper No 1 published by the
European Review of Economic History
Lehmann-Hasemeyer/Streb, Does Social
Security Crowd Out Private Savings?

SPP1859 Working Paper No 8 published
Lehmann-Hasemeyer/Neumayer, The
Persistence of Ownership Inequality

Siamese

Similar Advertisement Search

SIAMESE allows users to search for similar images in three ways:

- Paste a Delpher URL for an advertisement from Algemeen Handelsblad (1945-1969) or NRC Handelsblad (1970-1995) into the search box
- Click on one of the images to use it as a source image
- Click on 'random' for a random source image

Click on year to navigate to Delpher.

Source image

★ **MOEDER HEFFT NOOIT GOED BESSET, WAI 10% KORTING UITMAAKT**

maar toen ze mijn nieuws hoorde zag!

„Die heb je toch zeker niet van je makelij!“ vroeg ze. „Welnu moeder!“ zei ik, „want U hebt wel gezegd, dat U de voorbure van De Gruyter maar kwaliteits als ik voor U de kooptingheerd“.

Hier... voor de voorbure van de kooptingheerd bewijst ik 10 gulden terug. De kooptingheerd moet tevreden zijn. Liefhebber stijl vordend!”

DE GRUYTER

By de De Gruyterhandel van producten van kwaliteit van het beste materiaal. Voor het gebruik van producten van De Gruyter, zie de website van De Gruyter. De kooptingheerd moet tevreden zijn. Liefhebber stijl vordend!”

★★★★★★★★

Top ten nearest neighbors

1957 **HIEW!** Nederlandse Induwiemmer **Knorr** edelpreisoep

1949 **DE GRUYTER** NIEUW ZIJNDE ZIN DE CASABONCE, dat is de voorbure met **maakt de voorbure de kooptingheerd guldener! aan!**

1972 **onze fakturistes fakturieren felloos** moed-rijge garanderen wij niet **rympingocwicht BAARDPAD**

1963 **NILANDS GROOTSTE BONTBRAGAZON** **ZONER-BONTVERHOOP!** In 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025

1947 „Ik wil een Jekkers“ **Blue Band!** boterham, moeder-met

1961 **de beschermende basis voor blyvends schoonheid** **Endocil**

1950 **Industrie-Bedrijf** **Avifauna**

1949 **Adeborst** **Officier bij de Koninklijke Marine**

CHRONReader

CHRONReader: Query Classified Historical Newspaper Images

Select date-range:

1860-01-01

1920-01-31

Select image type:

Photo Drawing Photo or drawing

Select image category:

Building ▼

Image with face:

No Yes Yes or no

Text in article:

Train



WOLLEGGH BULL. - ADP. 1. 1/2 100 KILOG. REPROD. OF THE WOLLEGGH. (No. 1)

[http://www.kbresearch.nl/xportal?image_type="photo" and image_type="building" and "Train" and date within "1860-01-01T00:00:00Z 19](http://www.kbresearch.nl/xportal?image_type=)

DHH19

HELSINKI DIGITAL HUMANITIES HACKATHON DHH

ABOUT DHH BREXIT IN TRANSNATIONAL SOCIAL MEDIA GENRE AND STYLE THE MANY VOICES OF THE EUROPEAN PARLIAMENT

NEWSPAPERS AND CAPITALISM

Newspapers and capitalism



The Newspaper group studies how newspapers transformed from the late eighteenth century to the early twentieth century as a channel for marketing goods and services. It further studies the relationship between advertising and journalistic ideals. The datasets used consist of digitised newspapers from the British Library's Nineteenth Century Newspapers. Studying the relation of advertisements and journalistic ideals in newspapers has two potentially important outcomes. First, it may contribute to a scholarly discussion on the development of print capitalism by using the advertisements as a proxy for larger political and social developments. Second, by better understanding the logic of advertisements in the press, it may help in developing article extraction (at least with regard to advertisements) and thus pave the way any future study that needs to be able to discern between text that emerges from advertisements and from journalistic text.

Pills & Persuasion
The Language of Advertising in 19th-century British Newspapers

Newspapers
Newspapers contain advertisements about social, cultural and political issues to create additional revenue for an already profitable market. From the 18th century, advertisements are an integral part of the newspaper industry as such readers are being persuaded to buy or subscribe.

The Language of Advertising
Advertisement of the 19th century is a vehicle for marketing of consumer culture and marketing. Its main or secondary purpose is to persuade consumers to purchase a product or service. The language used in these advertisements is often highly persuasive and is designed to attract the attention of the reader.

Research Questions
How do indicators of persuasive language appear in advertisements?
What linguistic strategies were used for persuading people into buying or using?
Which patterns arise when measuring media advertisements through the prism of gender?

British Newspaper Data
We use digitized material from the British Library Nineteenth Century Newspapers Collection (see [CiteSpace](#)). Our data consist of:
304 unique newspaper identifiers
91 different publication locations
270.744 newspaper issues
26.295.841 articles
1.560.916 advertisements

OCR Quality
The quality of text (types of character recognition (OCR)) is an important metric for the evaluation of the reliability of text data. From 2000 to 2010, we used a small portion of articles of type "news" or "classified" data collected from the British Library to test the OCR quality for the articles that contain advertisements. The results show that the average OCR quality per year lies in the range 92% - 97%.

Persuasion
The frequency of persuasive language in advertisements is measured using a set of indicators. The indicators are: **Adjectives** and **Nouns**. The indicators are: **Adjectives** and **Nouns**. The indicators are: **Adjectives** and **Nouns**.

Drug Advertising through the Prism of Gender
The first aim of an advertiser was to ensure that the message reached the most suitable audience. Advertisements for drugs were often targeted at specific groups of people. The indicators are: **Adjectives** and **Nouns**.

Adjectives
The most common adjectives used in advertisements in the 19th century were: **genuine**, **nervous**, **free**, **strong**, **powerful**, **effective**, **reliable**, **safe**, **easy**, **simple**, **quick**, **cheap**, **affordable**, **beneficial**, **valuable**, **essential**, **important**, **useful**, **practical**, **convenient**, **flexible**, **versatile**, **adaptable**, **innovative**, **cutting-edge**, **revolutionary**, **groundbreaking**, **breakthrough**, **game-changing**, **transformative**, **paradigm-shifting**, **disruptive**, **innovative**, **cutting-edge**, **revolutionary**, **groundbreaking**, **breakthrough**, **game-changing**, **transformative**, **paradigm-shifting**, **disruptive**.

Nouns
The most common nouns used in advertisements in the 19th century were: **man**, **woman**, **child**, **young**, **old**, **infant**, **adult**, **elderly**, **middle-aged**, **senior**, **junior**, **teen**, **adolescent**, **adult**, **elderly**, **middle-aged**, **senior**, **junior**, **teen**, **adolescent**.

DH2019

- [Oceanic Exchanges: Transnational Textual Migration And Viral Culture](#)
- [The Past, Present and Future of Digital Scholarship with Newspaper Collections](#)
- [Complexities in the Use, Analysis, and Representation of Historical Digital Periodicals](#)



DH2019

UTRECHT UNIVERSITY 9-12 JULY

Coding da Vinci: Altpapier

ALTPAPIER



Die App Altpapier bringt die spannendsten und skurrilsten Zeitungsmeldungen vom Anfang des 20. Jahrhunderts auf eure Smartphones. Die App greift dabei auf digitalisierte historische Zeitungen aus dem Archiv der Staatsbibliothek zu Berlin – Preußischer Kulturbesitz zu, und macht sie in Form einer modernen News-App zugänglich. Die App bietet verschiedene Feeds an; jeder Einzelartikel wird mit dem Datum, dem Namen der Zeitung, der Überschrift und der eigentlichen Meldung angezeigt.

Coding da Vinci: Berliner Schlagzeilen

BERLINER SCHLAGZEILEN



Die Berliner Volks-Zeitung war vor 100 Jahren die Tageszeitung für die Metropole Berlin. Mit Anspruch, Sensationen und Unterhaltung wurde sie zur erfolgreichsten Boulevardzeitung der Zeit. Der Twitter-Bot „Berliner Schlagzeilen“ tweetet die Schlagzeilen und ein Bild der Titelseite von vor 100 Jahren jeden Tag, auf den Tag.

Wir verbinden die Vergangenheit mit der Gegenwart und machen Geschichte einem breiten Publikum zugänglich. Schon jetzt haben wir mit diesem Konzept mehrere 10000 Menschen (und Bots :) erreicht. Doch dies ist erst der Anfang.

Unser Projekt startete am Abend des 2. Tages des Hackatons mit den ersten Tweets und tweetet seitdem

konstant jeden Tag, meist sogar 2 mal, neue Schlagzeilen. Über die Zeit haben wir das tweeten immer weiter automatisiert und werden dies soweit vorantreiben, dass wir voraussichtlich in den nächsten Monaten alle Tweets vorbereitet haben, die wir bis zum Auslaufen der Zeitung im Jahr 1930, also 2030 in unserer Zeit, tweeten können.

Unser Twitterfeed bekommt jeden Tag durchschnittlich einen neuen Follower und wird somit an unserem Todestag 4745 Follower haben. Mit 21.5K Ansichten unserer Tweets allein im November können wir schon jetzt erste Highlights feiern.

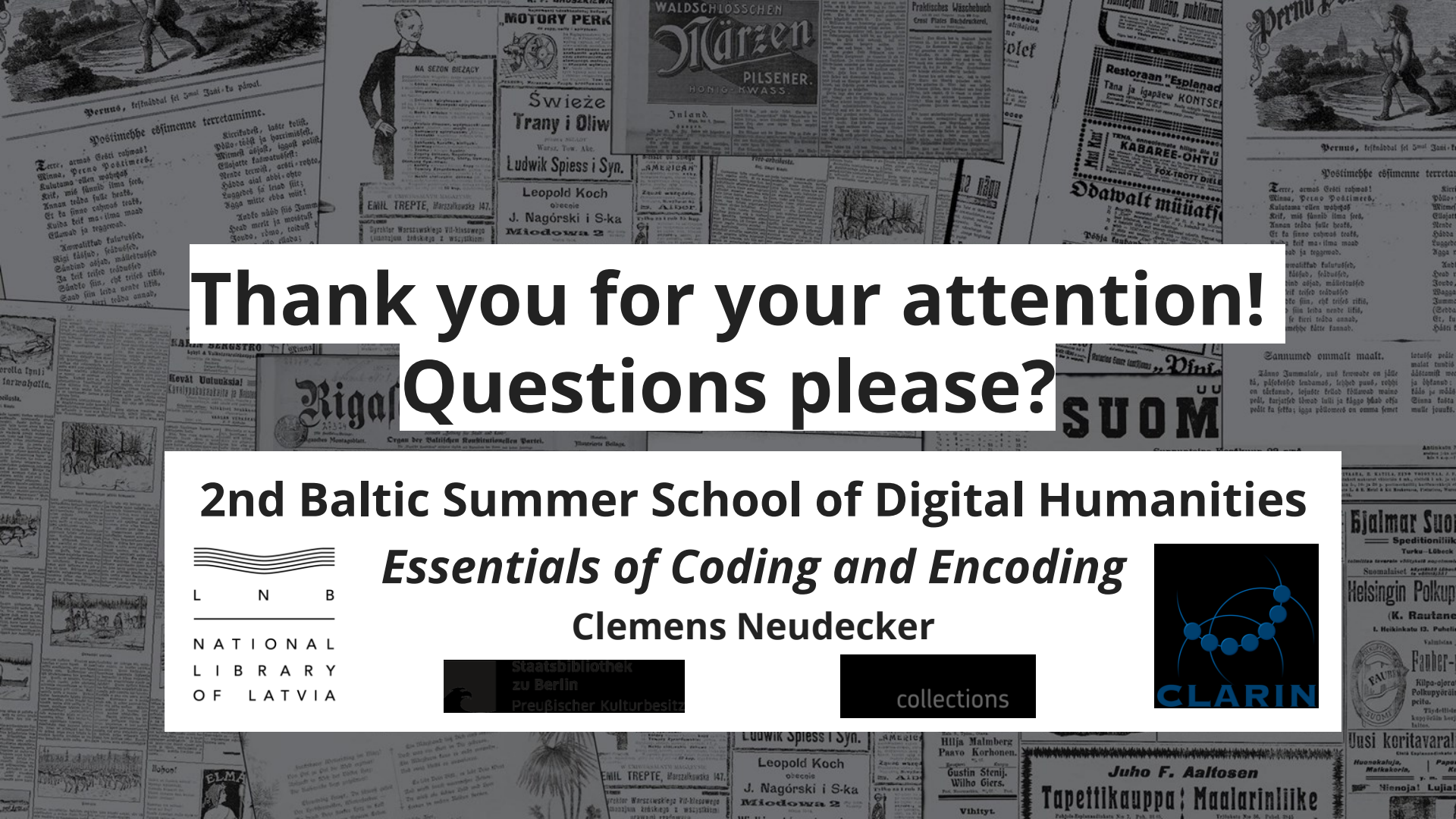
Conclusion and Outlook

Large quantities of digitized newspapers are ready available, new digitization projects and portals are following

OCR & OLR have had recent breakthroughs thanks to Machine Learning, so we can expect better full text and article segmentation to become standard soon

Many diverse research activities and research communities around newspapers currently ongoing with future perspectives

→ Now is the time for historical newspapers!

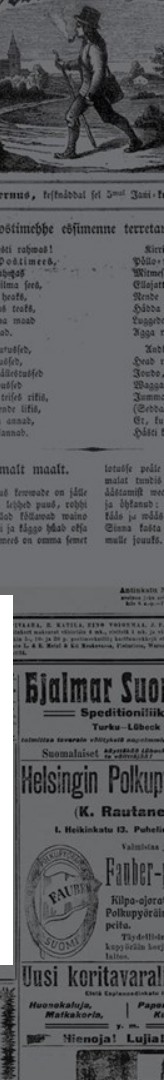


Thank you for your attention!
Questions please?

2nd Baltic Summer School of Digital Humanities

Essentials of Coding and Encoding

Clemens Neudecker



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