

Corpus Protocols:

digital transformations of commercial newspaper collections for text and data mining to support academic research

IFLA 2014 Pre-Conference: Digital Transformation and the Changing Role of News Media in the 21st Century

August 13-14, 2014

International Telecommunication Union Geneva, Switzerland



Arts & Humanities Research Council





Working together: building research relationships



Corpus Protocols Project Team

- Seth Cayley: Head of Research Solutions, Cengage Learning EMEA
- Mike Gardner: Analyst and Web Developer in Web Technologies, University of Nottingham
- Kat Gupta: Corpus Protocols Researcher, University of Nottingham
- Michaela Mahlberg: Professor of English Language and Linguistics, University of Nottingham
- Neil Smyth: Faculty Team Leader Arts, University of Nottingham
- Stella Wisdom: Digital Curator at the British Library



Context

- Focusing on textual data (corpus) we review relationships between institutional infra-structure, external business partners and research questions and methods that deal with textual data
- Exploring opportunities to future developments (protocols)



Problem (practical and research)

- Some University of Nottingham owned data sets are not available for research for several reasons, including:
 - licence agreements restrict copying for data analytics;
 - additional charges for additional licenses;
 - technical issues: copying storage, accessibility of data;
 - and, a lack of shared understanding of research trends in applied linguistics, corpus linguistics and corpus stylistics.

Aims

- To articulate the relationship between data and tools for text and data mining
- Prototype a methodology for using locally stored data using existing corpus linguistic tools
- Use an existing corpus linguist tool to analyse a University owned data set that will be made available on the University network.

Corpus Protocols: didn't start with discourse research questions

Declassified Documents as opportunistic data

- The Declassified Documents corpus
 - 197,837,328 words in total
 - divided into 30 yearly subcorpora (between 3.3 to 8.3 million words each)



UK Copyright legislation: 2014

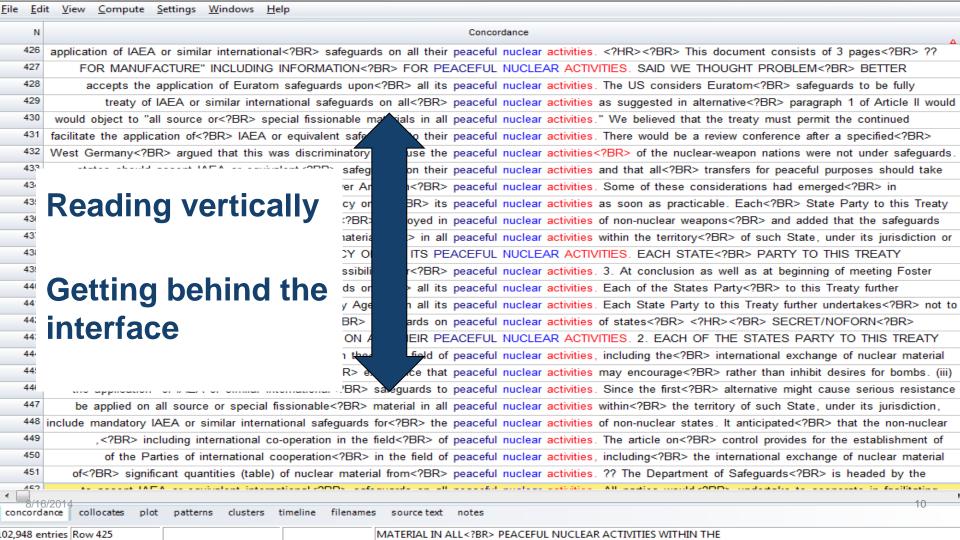
"the making of a copy of a work by a person who has lawful access to the work does not infringe copyright in the work provided that (a) the copy is made in order that a person who has lawful access to the work may carry out a computational analysis of anything recorded in the work for the sole purpose of research for a non-commercial purpose, and (b) the copy is accompanied by a sufficient acknowledgement." (The Copyright and Rights in Performances (Research, Education, Libraries and Archives) Regulations 2014.



Corpus methods:

- Discourse as representation: labeling, naming, creating reality (e.g. weapons of mass destruction).
- Lexis in context

8/16/2014



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TIDAL: TImes Data Archive Lab project

- Continuing partnership with Cengage
- Times Digital Archive
- University of Michigan
- Investigating social reality in 19th century based on news discourse (to complement picture of Dickensian London)

The British Library has one of the world's greatest news archives. Our collection of UK, Irish and world newspapers numbers over 60 million issues, from the 17th century to the present day, and we have growing collections of television, radio and web news.

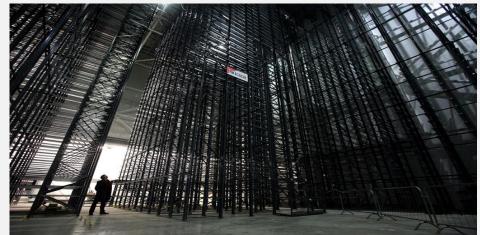
http://britishlibrary.typepad.co.uk/thenewsroom/

https://twitter.com/BL_newsroom



Print newspapers from Colindale moved to a new newspaper storage building in Boston Spa in Yorkshire





8/16/2014





British Library: Newsroom Opened 7th April 2014



Broadcast News:

Daily television and radio news programmes broadcast in the UK since May 2010 available though an instant access service in the Reading Rooms, new programmes available within hours of broadcast.

Over 60 hours of news are recorded every day from 22 channels including BBC, ITV, Channel 4, Sky News, Al

Jazeera English and CNN.



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Headlines

- View and listen to television and radio news programmes broadcast in the UK since May 2010
- Available from twenty-two UK and international news channels, with more programmes added daily
- The channels from which we currently select are:
- Television: Al Jazeera English, BBC One, BBC News, BBC Parliament, BBC Two, BBC Four, Bloomberg, Channel 4, CNN, CCTV News, France 24, ITV1, NHK World, Russia Today, Sky News
- Radio: BBC London, BBC Radio 1, BBC Radio 4, BBC 5 Live, BBC World Service, LBC, talkSport
- Advanced word-searching by subtitles available for some television channels
- We welcome any feedback on this service. Please contact us broadcastnews@bl.uk

Latest News **BBC ONE**















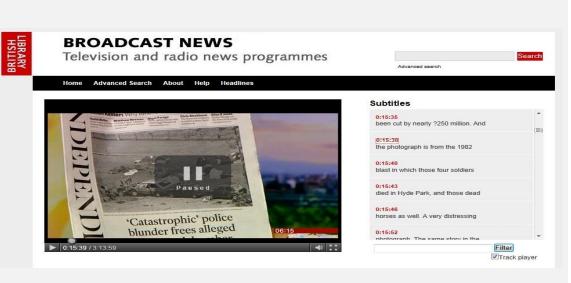






Many recorded news programmes come with subtitles

A corpus of data and metadata with potential for innovative research

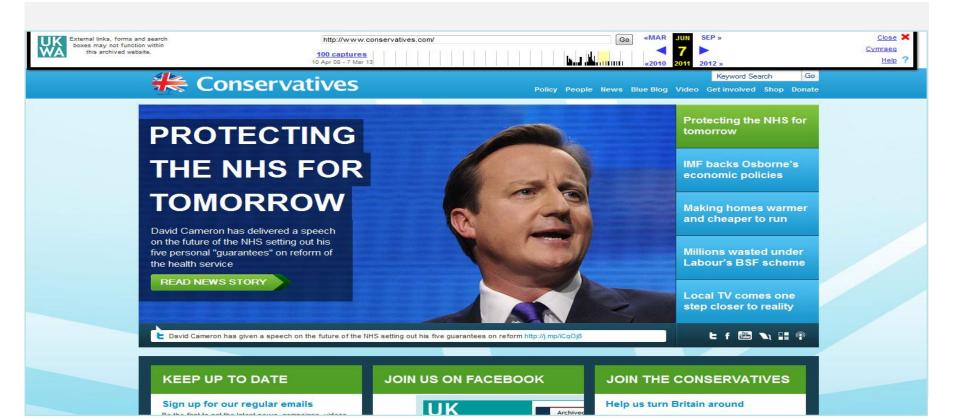


Global Top 100 University

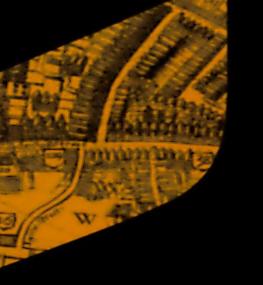




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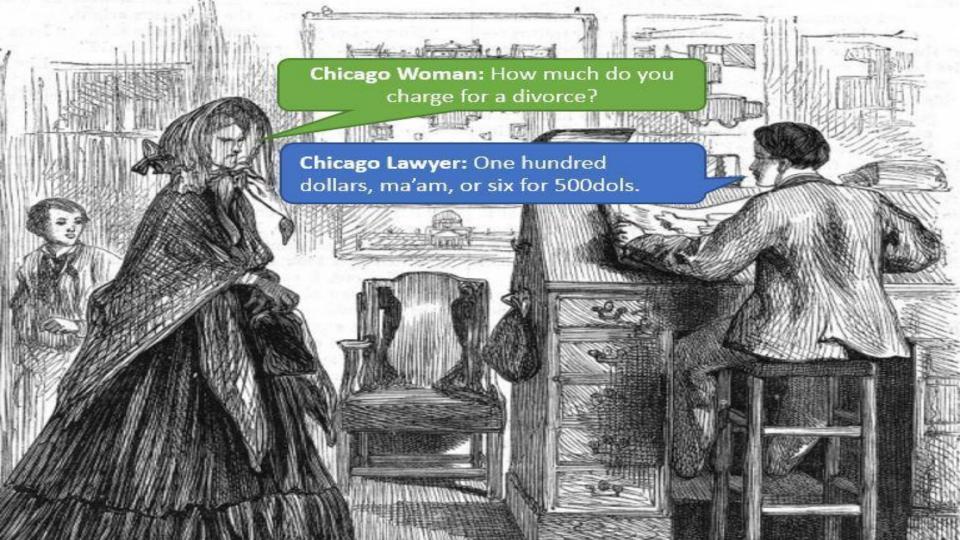






British Library Labs Experiment with our digital collections

http://labs.bl.uk





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