



National Text Analytics workshop

12 March 2021



THE UNIVERSITY
of EDINBURGH

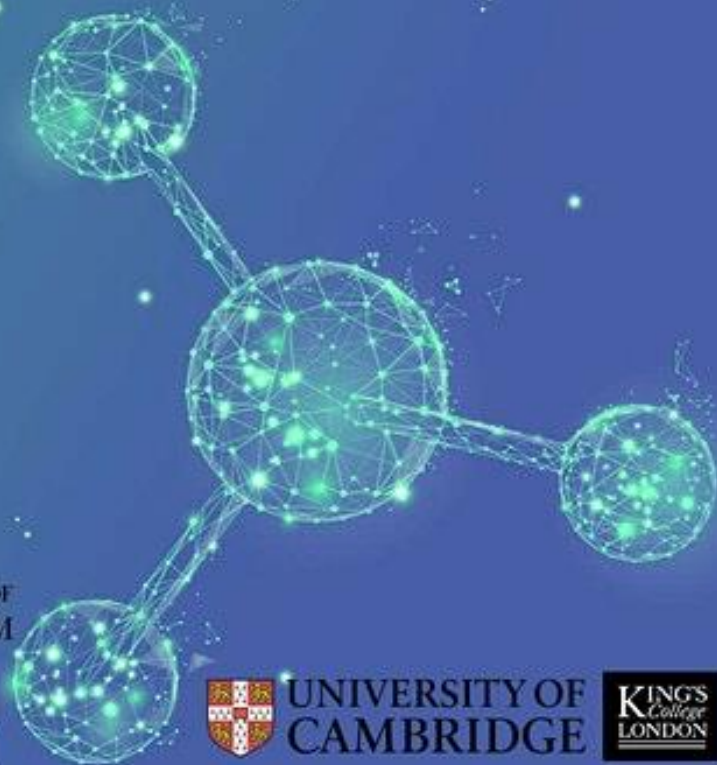


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NHS Foundation Trust



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Governance, tools and approaches for using text analytics and natural language processing for research

Welcome and introduction

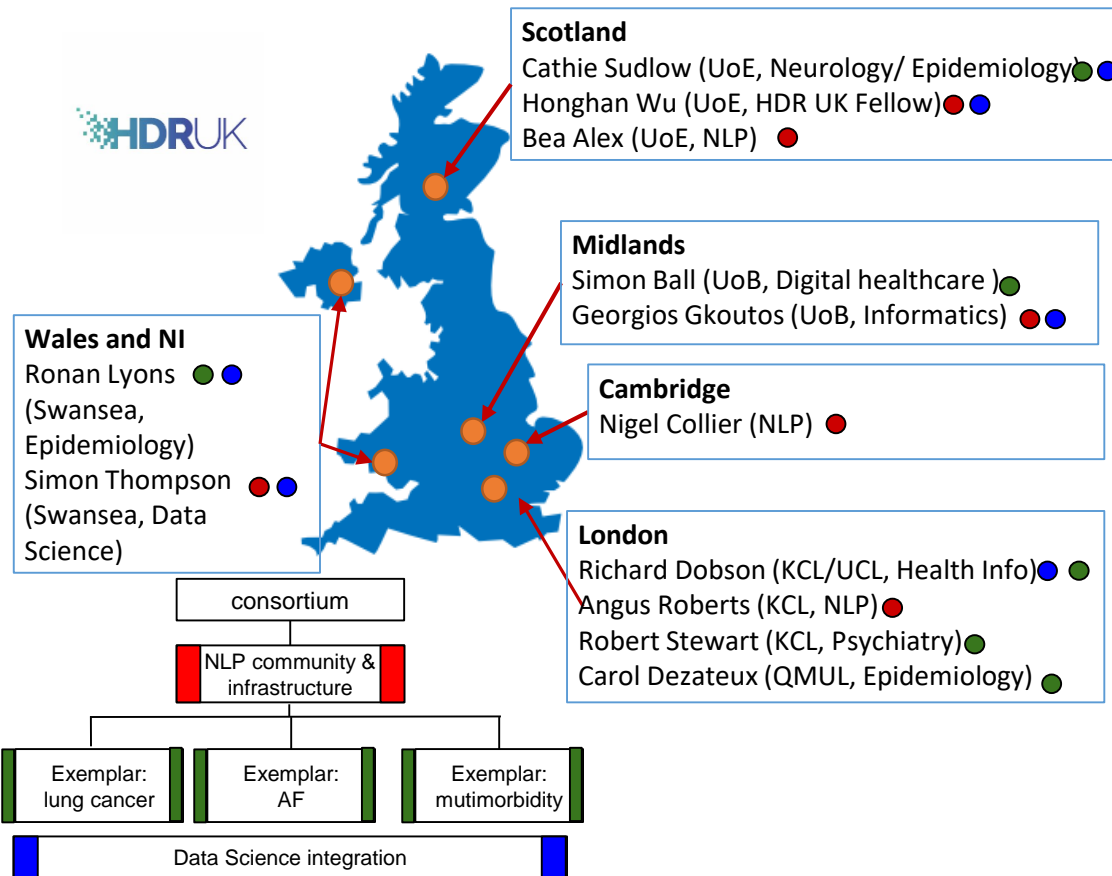
National Resource co-leads

Angus Roberts, King's College London

Richard Dobson, King's College London and University College London



National Text Analytics Resource



HDR UK collaborators

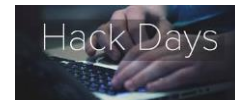
Dave Edwards/Seb Ourselin/Julia Schnabel (KCL, Imaging) ●
 Ami Banerjee (UCL, Cardiology:general/HF/AF) ●
 Phil Wardle (Wales Imaging Academy) ●
 Steffen Petersen (QMUL, Imaging) ●
 Richard Schilling (QMUL, AF) ●
 John Robson (QMUL, CVD in primary care) ●
 Mick Peake (Clinical Lead, NCRAS, Public Health England) ●
 Will Whiteley (UoE, Stroke/Epidemiology) ●
 Steve Pavis (National Services NHS Scotland) ●
 Grant Mair (UoE, Imaging) ●
 Alison McCallum (Director of Public Health and Health Policy, NHS Lothian) ●
 Will Ricketts (QMUL, cancer) ●
 Dan Bean (KCL, HDR UK fellow)
 Anoop Shah (UCL, clinical pharmacology/CVD) ●

Wider NLP community & Industry partner



Collaborative working

- Virtual collaboratory via slack and GitHub
- Regular workshops, hack days and cross site visits

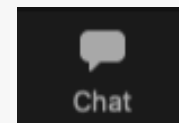
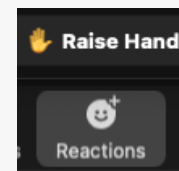


National Text Analytics Resource

1. **Survey and map** the existing clinical NLP landscape; build the community and PPI across and beyond HDR UK sites, using outreach to add new partners.
2. **Build a portal for sharing** tools, datasets, APIs and standards, as part of an information commons, complementing and generating efficiencies of scale for HDR UK.
3. **Deliver three high impact, multi-site, exemplars** spanning different fields, text types and governance structures, and provide opportunities to integrate this into the full data analytics toolchain.
4. **Develop training materials and datasets** anchored in the portal and exemplars, as an enabler of the HDR UK training strategy

Online etiquette

- Please mute unless you are speaking
- If you want to, please turn on your camera when speaking
- Questions
 - Raise your digital hand to ask a question - look under Zoom's "Reactions" button
 - Or, ask your questions in the chat - we may ask you to speak your question, or elaborate it
- Feel free to engage in discussion in the chat
- Please be aware of, and patient of, other people having bandwidth and lag issues
- We will be recording some, but not all, of the presentations



Timetable

09:35-10:35	Accessing Unstructured Data for Research <i>5 talks</i>	Rob Stewart, King's College London and Will Whiteley, University of Edinburgh
10:20-10:35	Discussion and Q&A	
10:35-10:45	Break	
10:45-12:20	Demo of Existing Text Analytics and NLP Tools and Use in Research to Improve Care (1) <i>4 demos</i>	Angus Roberts
12:20-13:30	Lunch	
13:30-15:30	Demo of Existing Text Analytics and NLP Tools and Use in Research to Improve Care (2) <i>5 demos</i>	Richard Dobson
15:30-15:40	Break	
15:40-16:00	Discussion and Closing Remarks	Angus Roberts and Richard Dobson



Healtex

HealTAC 2021

June 16 - June 18

<http://healtex.org/event/healtac-2021/>



[#HEALTAC2021](https://twitter.com/HEALTAC2021)

Deadlines

22 March: papers,
tutorials, panels

12 April: posters, PhD
forum, demos



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HDRUK
Health Data Research UK