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Keynotes and additional lectures

Monday 3rd July

Time	Session	Speakers
9:00 – 10:00	<p>Opening keynote – O’Reilly Theatre</p> <p>One step up: using digital humanities to bring community generated digital content into a national collection</p> <p>Digital humanities tools and methods have been central to the creation, use, and re-use of cultural heritage data since the advent of mass digitisation. Similarly, the development of the field of digital humanities has benefited from the availability of cultural heritage data at scale: for experimenting with digital methods, data driven research, and cultural analytics of complex digital surrogates.</p> <p>However, mass digitisation and the creation of digital heritage at scale has often neglected smaller collections and collections: important source material that represents the records and archives of communities, individuals, and places that do not fit ‘official’ heritage and historical frameworks. This is now a notable gap, as communities are increasingly creating digital heritage in the form of community generated digital content (CGDC), representing both digital surrogates and born-digital material.</p> <p>This data is an important part of our national collection as it is distributed throughout communities, localities, and national organisations, creating a truly democratic and vast reservoir of new knowledge about the past. However, much of this material remains largely untapped, hard to find, and at risk of disappearing altogether, 'critically endangered' due to technological and organisational barriers. It has also proved resistant to traditional methods of linking, integration, and analysis. This presentation will discuss these barriers to use and access, and ways that digital humanities tools and methods can overcome these barriers, and in the process bring CGDC into an emerging National Collection, ideally as part of a creatively conceived digital commons that</p>	Lorna Hughes

	<p>supports open use and re-use of data and content originating from many stakeholders.</p> <p>The presentation will also reflect on how CGDC presents an opportunity to re-evaluate some key assumptions about digital heritage, particularly addressing ways that the information ecosystem of CGDC – its creation, curation, and use, and post-custodial models of managing these collections – enable a critical lens on the past in the present, contributing to key debates around critical heritage.</p>	
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Tuesday 4th July

Time	Session	Speakers
16:00 – 17:00	<p>Speed networking – O’Reilly Theatre</p> <p>DHOxSS is a great place to meet other digital humanists, but sometimes it can be a bit daunting to just strike up a conversation. In this session we invite you to meet each other rapidly. You'll get just 2 minutes to meet another digital humanist before the bell goes and you meet another. This will be an enjoyable and efficient way to find others with similar interests, and to find out who to have longer conversations with throughout the week.</p>	Megan Gooch

Wednesday 5th July

Time	Session	Speakers
16:00 – 17:00	<p>Additional lecture – Enhancing Collections Online</p> <p>Democratising access to collections is a pillar of the Oxford GLAM Digital Strategy. In line with many other cultural institutions, an obvious route to achieve this is through digitising collections and putting them in a searchable online catalogue. Two of the Oxford GLAM institutions have already launched Collections Online platforms, with two more coming on stream this year.</p> <p>However, making collections accessible does not necessarily make them discoverable. This workshop invites you to take a critical approach to online collections to think about different user pathways,</p>	<p>Sarah Joomun</p> <p>Caroline Moreau</p> <p>Helen Adams</p>

	how the ostensibly helpful 'search' box may hide more than it reveals, and the potential for these public-facing resources to bring new voices to the fore.	
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Thursday 6th July

Time	Session	Speakers
16:00 – 17:00	<p>Additional lecture - Shaping the UK-Ireland Digital Humanities Association (O'Reilly Theatre)</p> <p>In February 2020, the Irish Research Council (IRC) and the Arts and Humanities Research Council (AHRC) issued a call for network proposals as part of their 'UK-Ireland Collaboration in Digital Humanities' programme. The universities of Exeter, Galway, Glasgow and London, University College Cork, King's College London and Trinity College Dublin partnered to develop a proposal for a network that would undertake research and consultation vital to the implementation of a permanent Digital Humanities Association for the UK and Ireland. This network laid the foundations for a new UK-Ireland Digital Humanities Association, which was launched in the summer of 2022. This panel will explore the processes of establishing an evidence base for the development of a new DH Association, of building - and building on - community through consultation, and of defining value and purpose through collaboration. It will introduce the Association, its activities and values, and explain how digital researchers and practitioners can get involved and help to shape both its development and the development of digital scholarship in the two countries. It will discuss key areas of focus for the Association, including community, collaboration, sustainability, openness and transparency, advocacy and action, and inclusivity. Finally, it will introduce five Community Interest Groups (CIGs) that were announced in the spring of 2023. The CIGs, which range from specific areas of enquiry to systemic issues facing DH researchers and on to wider societal issues where DH has an important voice, are a key mechanism for</p>	<p>Orla Murphy</p> <p>Michael Donnay</p> <p>Jane Winters</p> <p>Paul Gooding</p> <p>Arianna Ciula</p>

	ensuring that the Association reflects and responds to the concerns and ambitions of its community.	
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Friday 7th July

Time	Session	Speakers
16:00 – 17:00	<p>Closing Keynote – O’Reilly Theatre</p> <p>Critical Technology Discourse – creating a space for a public reckoning with technology</p> <p>In this talk I will examine how institutional bias multiplies technological bias to shape how we see and experience the world. The focus of the discussion will be on museums as public institutions and their role in shaping how visitors experience digitally mediated worlds. I will argue that while social and technological change are not a new concept for cultural organisations, what is new is the depth and reach of these technologies in terms of art form development, data creation, manipulation, and interpretation. In conclusion I will outline how cultural organisations and cultural practitioners can create space for important conversations about power, data and control.</p>	Oonagh Murphy

Introduction to Digital Humanities

Monday 3 rd July		
Time	Session	Speakers
9:00 – 10:00	Opening keynote	Lorna Hughes
10:00 – 10:30	Refreshment break	
10:30 – 12:00	<p>What is Digital Humanities?</p> <p>This session is an introduction to the Introductory strand. We know Digital Humanities can be daunting – it’s hard to know what it is, which tools to use, and what skills you need to learn before embarking on your first (or third, or fifth!) DH project. This session will give you an introduction to the DH project lifecycle as a starting point for planning your dissertation, thesis or next big research project. We will work together to share the kinds of data, methods, and research questions we encounter in our own disciplines, and then expand on how you can manage your DH data effectively to give you results in the short-term, and your DH project a lengthy life as a resource for other scholars.</p>	Megan Gooch and David De Roure
12:00 – 13:30	Lunch	
13:30 – 15:30	<p>Introduction to Computational Thinking</p> <p>The aim of these four sessions is to help understand what and when you can learn to program yourself, and when and how to talk to programmers, developers and Research Software Engineers. How is computation useful in humanities research? This session introduces the “affordances” of working digitally, and the role of programs and programming: what do we mean by a program, programming language, and software? We will discuss tools for data processing, for analysis and also for simulation, and what can be “automated”.</p>	TBC
15:30 – 16:00	Refreshment break	
16:00 – 17:00	The Pandemic’s Digital Turn – excavating socio-political affordances of digital memorialisation under COVID-19.	Dr Eleanor O’Keeffe

	<p>This lecture assesses the digital turn of memorialisation in the pandemic, focusing on the politics of inclusion/exclusion evident in the design and use of the digital memorial, Remember Me. The view that “the digital” offers more pluralistic, community-focused, or democratic, routes for memorialisation has become entrenched in the pandemic. This lecture takes a critical approach to the “digital turn” of memorial work under COVID-19. I argue that, whilst the pandemic has increased acculturation, this is largely because it has also recalibrated the interfaces between cultural/digital infrastructures and memorialisation, rather than generating ‘from below’ memorial practices. Pandemic impact research highlights ethical and methodological challenges facing digital humanities researchers, increasing imperatives to assemble various qualitative tools to conduct multifaceted analyses, and pose humane questions of digital phenomena. I analyse the UK’s most significant digital memorial – Remember Me (April 2020) – a website in remembrance of dead of COVID-19. I approach the memorial not as a “corpus” of grief discourse to be analysed computationally, but as a locus to excavate socio-political artefacts of grief from the pandemic’s different temporal and political phases. I thus suggest how digital humanities can inform our handling of the digital afterlife of this memorial and others in the future.</p>	
Tuesday 4 th July		
Time	Session	Speakers
9:00 – 10:30	<p>What’s in a Name?': Making Metadata in Digital Editions of Historical Letters.</p> <p>The first part of this presentation will consider what the migration of critical editions to digital platforms offers the researcher; the relationship between the digital as a replication of the print edition and the status of the digital edition; how digital resources can enhance scholarly work and what the challenges are for electronic scholarly editors in an editorial environment that is more fluid than bibliographic editing; and why dynamic databases can enable a more collaborative critical engagement of reader with</p>	Jack Orchard

	<p>editor than has been possible previously. The second part will focus specifically on the challenges and opportunities raised by the creation of digital editions of historical correspondence, focusing on the work of Electronic Enlightenment. We will cover the processes of standardising dates, locations, and geographical locations for machine readability; the differences between the print editions we work with and our final output and, in an interactive workshop, invite participants to consider how to convert the limited, provisional information they can gather about a historical letter into an EE-ready metadata object.</p>	
10:30 – 11:00	Refreshment break	
11:00 – 13:00	<p>Introduction to relational databases</p> <p>This session looks at what a relational database is, and when and why it might be helpful to use one. It introduces some basic database concepts, and works through the process of planning one - with some hands-on exercises to help start putting the theory into practice. We also look at some challenges posed by the sort of data often used in humanities projects, and how these might be addressed.</p>	<p>Meriel Patrick Graham Addis</p>
13:00 – 14:30	Lunch	
14:30 – 15:30	<p>Digital Scholarly Editing: The Case of the Beckett Digital Manuscript Project</p> <p>This lecture offers a brief introduction to textual criticism and digital scholarly editing, presents ways of transcribing modern manuscripts for digital editing (including XML/TEI encoding), and discusses standards, tools, and challenges, such as the pros and cons of document-oriented and text-oriented approaches. The Beckett Digital Manuscript Project serves as a case study to illustrate these issues.</p>	<p>Dirk Van Hulle</p>
15:30 – 16:00	Refreshment break	

16:00 – 17:00	Additional session – speed networking	
Wednesday 5 th July		
9:00 – 10:30	<p>Machining the archive</p> <p>When is an archive digital? How does it relate to its non-digital forebear? What happens in a search? How do these questions affect how archives are used, how scholarship happens, how materials mean? These and other topics form the basis of a lecture & discussion considering some of the foundational questions of digital archival practice.</p>	Andrew Cusworth
10:30 – 11:00	Refreshment break	
11:00 – 13:00	<p>Examples of Computational Thinking</p> <p>In this second session we look at some case studies, from small to large. These include the application of “data science” ideas and tools in the humanities context. These will be presented from a humanities research viewpoint, also explaining what is going on with the tools and software in each case.</p>	David De Roure
13:00 – 14:30	Lunch	
14:30 – 15:30	<p>An introduction to computer vision tools for the digital humanities: How to Search, Compare, Classify and Annotate your images</p> <p>Computer vision has made rapid progress in recent years: images are now as readily searchable as text is in web search engines. In this presentation, we will introduce software tools that enable researchers to organise and search large collections of images instantaneously - by allowing search queries based on images (such as a building or a book illustration) or categories (such as “gothic-architecture” or “birds”). We will demonstrate how these tools are being used in many projects within humanities disciplines such as art and book history; film studies; archaeology and literature. Attendees will leave the session knowing</p>	<p>Giles Bergel</p> <p>Abhishek Dutta</p> <p>David Pinto</p> <p>Prasanna Sridhar</p>

	<p>how to match, compare, classify and annotate many kinds of images. Since these tools are open-source, researchers can freely use them for any purpose. Attendees will have the opportunity to book an appointment to get these tools installed on their personal laptop computer, or will be provided with instructions for doing so themselves.</p>	
15:30 – 16:00	Refreshment break	
16:00 – 17:00	Additional lecture (O'Reilly Theatre)	

When Archives Become Digital

Monday 3 rd July		
9:00 – 10:00	Opening keynote	Lorna Hughes
10:00 – 10:30	Refreshment break	
10:30 – 12:00	<p>You, me, & the future of history</p> <p>Introductions to each other, and to the week's course. This session will comprise of a short introductory lecture, time for questions, and a chance to introduce yourself and your interests to the class, so that we can gain the full benefit of a week in each other's company, and set a discussion in motion about what it means when archives become digital.</p>	Andrew Cusworth
12:00 – 13:30	Lunch	
13:30 – 15:30	<p>Practising what we preach</p> <p>Over the course of the week, participants are invited to contribute to a digital archive of the course, putting into practice some of the programme's ideas and creating a shared resource for the group. In this workshop, we will set up an instance of Omeka, discuss the collection types and metadata structures we will use, and begin to construct our own, private, digital archive online.</p>	Andrew Cusworth
15:30 – 16:00	Refreshment break	
16:00 – 17:00	<p>The language games we play</p> <p>In this two part session, we look more closely at some of the terminologies we use in relation to digital archives in order to understand some of the core concepts at play. What is an archive? When is it digital? How do we describe collections and artifacts? What is data and how do we model it? Understanding these matters a little better will lay the groundwork for the week, its activities, and its ideas.</p>	Andrew Cusworth
Tuesday 4 th July		
Time	Session	Speaker
9:00 – 10:30	<p>Perfect pragmatism, or, best practice in practice</p> <p>This session will focus on situating projects within the spectrum of digital archival practices in relation to establishing best possible practice within available</p>	Andrew Cusworth

	<p>means. Giving play to a shortlist of potential project paradigms from academic archival research through to digitisation by national institutions, it will address the thorny matters facing those involved in digital archival scholarship, including digitisation quality, metadata creation, and the presentation and management of digital archives.</p>	
10:30 – 11:00	<p>Refreshment break</p>	
11:00 – 13:00	<p>From archival collection to digital asset</p> <p>A visit to the imaging studios at the Bodleian Libraries will provide an opportunity to see a world-class digitisation pipeline at its most practical level, and to ask questions of those doing the actual work.</p>	<p>Bodleian Imaging Studios</p>
13:00 – 14:30	<p>Lunch</p>	
14:30 – 15:30	<p>And who are you?</p> <p>In this two-part interactive workshop, participants will be given space to present and discuss the archives on and with which they work, and the projects that they are hoping might be benefitted by their attendance of the strand. Through this process, we address specific challenges, questions, and opportunities relevant to the course's participants, in the hope of providing maximum value and connection.</p>	<p>Andrew Cusworth</p>
15:30 – 16:00	<p>Refreshment break</p>	
16:00 – 17:00	<p>Additional session - Speed Networking (O'Reilly Theatre)</p> <p>DHOxSS is a great place to meet other digital humanists, but sometimes it can be a bit daunting to just strike up a conversation. In this session we invite you to meet each other rapidly. You'll get just 2 minutes to meet another digital humanist before the bell goes and you meet another. This will be an enjoyable and efficient way to find others with similar interests, and to find out who to have longer conversations with throughout the week.</p>	

Wednesday 5 th July		
Time	Session	Speaker
9:00 – 10:30	<p>Machining the Archive</p> <p>When is an archive digital? How does it relate to its non-digital forebear? What happens in a search? How do these questions affect how archives are used, how scholarship happens, how materials mean? These and other topics form the basis of a lecture & discussion considering some of the foundational questions of digital archival practice.</p>	Andrew Cusworth
10:30 – 11:00	Refreshment break	
11:00 – 13:00	<p>An introduction to data (I)</p> <p>In this two-part workshop, Neil Jefferies will introduce some of the fundamental principles of data and metadata to us. As well as looking at the types of data we might encounter, we will explore the challenges of modelling it, storing it, and accessing it in the long term.</p>	Neil Jefferies
13:00 – 14:30	Lunch	
14:30 – 15:30	<p>An introduction to data (II)</p> <p>In this two-part workshop, Neil Jefferies will introduce some of the fundamental principles of data and metadata to us. As well as looking at the types of data we might encounter, we will explore the challenges of modelling it, storing it, and accessing it in the long term.</p>	Neil Jefferies
15:30 – 16:00	Refreshment break	
16:00 – 17:00	<p>Additional lecture - Enhancing Collections Online (O'Reilly Theatre)</p>	Sarah Joomun Caroline Moreau

		Helen Adams
Thursday 6 th July		
9:00 – 10:30	<p>Archives in the wild I</p> <p>In this session, we will learn about live archival projects and the work of archives and archivists in the digital world from the people who create and work with them.</p>	
10:30 – 11:00	Refreshment break	
11:00-13:00	<p>Critical mass or critical mess</p> <p>As the term 'big data' suggests, data are often most useful and informative at scale. Yet, as we work with datasets of all sizes, the noise of messy, uneven, and inconsistently processed data can introduce interference into our work. In this practical workshop, we will think about data, its consistency and quality, how that affects our work, and how we can improve things using a combination of self-aware quality control and data-cleaning tools such as OpenRefine.</p>	Andrew Cusworth
13:00-14:30	Lunch	
14:30-15:30	<p>And who are you, too?</p> <p>In this two-part interactive workshop, participants will be given space to present and discuss the archives on and with which they work, and the projects that they are hoping might be benefitted by their attendance of the strand. Through this process, we address specific challenges, questions, and opportunities relevant to the course's participants, in the hope of providing maximum value and connection.</p>	Andrew Cusworth
15:30-16:00	Refreshment break	
16:00-17:00	<p>Additional lecture - Shaping the UK-Ireland Digital Humanities Association</p>	Orla Murphy Michael Donnay

		Kristen Schuster Paul Gooding Arianna Ciula
Friday 7th July		
Time	Session	Speaker
09:00-10:30	<p>Archives in the wild II</p> <p>In this session, we will learn about live archival projects and the work of archives and archivists in the digital world from the people who create and work with them.</p>	<p>Aruna Bhauggerutty, Head of Digital Collections, Ashmolean Museum</p> <p>Pip Wilcox, Head of Research, The National Archives</p>
10:30-11:00	Refreshment break	
11:00-13:00	<p>What happens next: From archive to research</p> <p>In this session, we will explore the ongoing possibilities unlocked by the digitalisation of archives. We will hear from researchers who are broadening the horizons of their research either through the use of digitised materials or through the application of digital analytical methods to digital archival materials.</p>	Erin Canning, Research Student, University of Oxford Victoria & Albert Museum
13:00-14:30	Lunch	
14:30-15:30	<p>At the end of the day...</p> <p>you're another day... wiser? In this final session, we will try to mop up any last questions, and take a little time to reflect on the week, what we have learned, and where we might go next...</p>	Andrew Cusworth

15:30-16:00	Refreshment break	
16:00-17:00	Closing Keynote - Critical Technology Discourse – creating a space for a public reckoning with technology	Oonagh Murphy

Applied Data Analysis

Monday 3rd July		
Time	Session	Speakers
09:00-10:00	Opening Keynote	Lorna Hughes
10:00-10:30	Refreshment break	
10:30-12:00	Introduction to Applied Data Analysis <ul style="list-style-type: none"> * Presentation of the strand, objectives and schedule * Introductions * Example of a data analysis application * Setting up systems 	Matteo Romanello Nilo Pedrazzini
12:00-13:30	Lunch	
13:30-15:30	Introduction to Pandas <ul style="list-style-type: none"> • Data carpentry: from XML to dataframe 	Matteo Romanello Nilo Pedrazzini
15:30-16:00	Refreshment break	
16:00-17:00	Exercises and catching-up session <p>Options (attendees may pick one from the below):</p> <ul style="list-style-type: none"> *Catching-up: assistance is provided to clarify any issue from the previous classes or in setting-up your Python environment. * Exercises/project: exercises or mini-projects will be provided for practice. <p>Alternatively, attendees can bring their own mini-project to the class and work on it, individually or with others.</p>	Matteo Romanello
Tuesday 4th July		
Time	Session	Speakers
09:00-10:30	Introduction to Pandas	Matteo Romanello

	<ul style="list-style-type: none"> Intro to Pandas: data types (series, dataframes); data loading; data access (indexing) 	Nilo Pedrazzini
10:30-11:00	Refreshment break	
11:00-13:00	Tidy data (part I) Basic concepts of (proper/tidy) data modelling	Matteo Romanello Nilo Pedrazzini
13:00-14:30	Lunch	
14:30-15:30	Options (attendees may pick one from the below): * Catching-up: assistance is provided to clarify any issue from the previous classes or in setting-up your Python environment. * Exercises/project: exercises or mini-projects will be provided for practice. Alternatively, attendees can bring their own mini-project to the class and work on it, individually or with others. * Lectures at Text to Tech: attend the invited lectures given as part of the Text to Tech strand	Matteo Romanello Nilo Pedrazzini
15:30-16:00	Refreshment break	
16:00-17:00	Additional session - Speed Networking (OReilly Theatre) DHOxSS is a great place to meet other digital humanists, but sometimes it can be a bit daunting to just strike up a conversation. In this session we invite you to meet each other rapidly. You'll get just 2 minutes to meet another digital humanist before the bell goes and you meet another. This will be an enjoyable and efficient way to find others with similar interests, and to find out who to have longer conversations with throughout the week.	
Wednesday 5th July		

Time	Session	Speakers
09:00-10:30	Tidy data (part II) <ul style="list-style-type: none"> Manipulating data with Pandas Operations on tidy data frames: - set, union join - select, apply transform 	Matteo Romanello Nilo Pedrazzini
10:30-11:00	Refreshment break	
11:00-13:00	Tidy data (part II)	Matteo Romanello Nilo Pedrazzini
13:00-14:30	Lunch	
14:30-15:30	Options (attendees may pick one from the below): * Catching-up: assistance is provided to clarify any issue from the previous classes or in setting-up your Python environment. * Exercises/project: exercises or mini-projects will be provided for practice. Alternatively, attendees can bring their own mini-project to the class and work on it, individually or with others. * Lectures at Text to Tech: attend the invited lectures given as part of the Text to Tech strand	Matteo Romanello Nilo Pedrazzini
15:30-16:00	Refreshment break	
16:00-17:00	Additional lecture - Enhancing Collections Online	Sarah Joomun Caroline Moreau Helen Adams
Thursday 6th July		
Time	Session	Speakers
09:00-10:30	Exploratory Data Analysis (part I) <ul style="list-style-type: none"> basic plotting descriptive statistics variation, distributions 	Matteo Romanello Nilo Pedrazzini
10:30-11:00	Refreshment break	
11:00-13:00	Exploratory Data Analysis (part II)	Matteo Romanello

	<ul style="list-style-type: none"> descriptive statistics and plotting with Pandas, matplotlib and seaborn data modelling: working with texts 	Nilo Pedrazzini
13:00-14:30	Lunch	
14:30-15:30	Excercises and catching-up session * catching-up * work on excercises/mini projects	Matteo Romanello Nilo Pedrazzini
15:30-16:00	Refreshment break	
16:00-17:00	Additional lecture - Shaping the UK-Ireland Digital Humanities Association	Orla Murphy Michael Donnay Kristen Schuster Paul Gooding Arianna Ciula

Friday 7th July

Time	Session	Speakers
09:00-10:30	Applied Data Analysis (part I) <ul style="list-style-type: none"> explorative data visualization * primer on good and bad data visualization practices 	Matteo Romanello Nilo Pedrazzini
10:30-11:00	Refreshment break	
11:00-13:00	Applied Data Analysis (part II) * (social) network analysis Talk Michele Pasin (Digital Science/Dimensions): Performing <i>Research Analytics at Scale: the Dimensions Reporting Platform</i>	Matteo Romanello Nilo Pedrazzini

13:00-14:30	Lunch	
14:30-15:30	Publishing datasets & communicating results + wrap-up <ul style="list-style-type: none"> • Communicating data analysis results • Best practices about publishing datasets, licensing issues, reproducibility, data repositories 	Matteo Romanello Nilo Pedrazzini
15:30-16:00	Refreshment break	
16:00-17:00	Closing keynote - Critical Technology Discourse – creating a space for a public reckoning with technology	Oonagh Murphy

Linked Data

Monday 3rd July

Time	Session	Speakers
09:00-10:00	Opening keynote - One step up: using digital humanities to bring community generated digital content into a national collection	Lorna Hughes
10:00-10:30	Refreshment break	
10:30-12:00	Introduction to Linked Data - theories and practice This session is an introduction to Linked Data and to the workshop itself. It begins with an overview of the course and provides the participants with the opportunity to outline their aims for the workshop as well. We will discuss the practical requirements of setting up, completing, and maintaining a Linked Data project and contextualise Linked Data by comparing it to other alternatives such as relational databases and XML.	Terhi Nurmikko-Fuller John Pybus Graham Klyne
12:00-13:30	Lunch	
13:30-15:30	Talk the Talk (in preparation for Walking the Walk!) We will discuss jargon, acronyms, the triple (RDF) data model, and look at examples of knowledge graphs. We will discuss how the components of instance level RDF, ontologies, SPARQL queries, and triplestores all of which form part of a cohesive workflow.	Terhi Nurmikko-Fuller Graham Klyne
15:30-16:00	Refreshment break	
16:00-17:00	VISITING SPEAKER: Prof Eric Poehler The single greatest source of information for how Romans adorned their world has come from the site of Pompeii, especially from its rich and vivid corpus of wall paintings. More than mere decor, innumerable aspects of Roman life are revealed in these objects: food, sex, and mythologies, their identities as revelers, intellectuals, and	Professor Eric Poehler

	<p>professionals, and their practices of religion, politics, idyll, and idle. Since 2019, the Pompeii Artistic Landscape Project (PALP) has worked to create an online resource, using Linked Open Data practices and formats, to encourage sitewide discovery, mapping, analysis, and sharing of information about Pompeian artworks in their architectural contexts. Over the last three years, these efforts have required the transformation of a vast corpus of data about the artworks at Pompeii, including published catalogs, mapping data, and tens of thousands of images by means of an equally large array of tools, programs, and platforms, both bespoke and commercial. Thus, when its initial formulation is complete in the spring of 2023, PALP will exist as a set of online image catalogs, as a triplestore with millions of individual statements about Pompeii's artworks, as a web-based platform for accessing these images and statements, and as a collection of project infrastructures that served the creation of the other three.</p>	
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Tuesday 4th July

Time	Session	Speakers
09:00-10:30	<p>Representing history and cultural heritage systems contextually Part 1</p> <p>Structured data is information which is highly organised into a designed structure typically for computer processing. It is normally associated with spreadsheets and databases which store data in a tabular structure using technical data types like text, numbers and dates. Linked Data is a term used to describe another form of organising data. It is associated with open data publishing of existing data created in institutional databases allowing this data to be shared and 'linked' together. However, it has limited benefits without changing the way in which data represents knowledge. Linked Data potentially provides, using knowledge representation approaches, a flexible structure that can support a richer form of content for authoring richer data</p>	<p>Dominic Oldman Dr Diana Tanase Cristina Giancristofaro</p>

	<p>narratives, not simply producing a reference or finding aid. Knowledge representation addresses the limitations of reductive abstraction in both databases and Linked Data. Knowledge workers and researchers can better reflect information and associated processes in context (e.g. social and historic), and in a way that adapts to change and evolving processes, incorporating interdisciplinary and community knowledge. Such a semantic framework can also provide the means for a meaningful provenance of knowledge. This course will provide a critical history of historical data systems, a deployed case study, and practical solutions promoting a new mindset towards which sees data as a dialectic of both quantity and quality.</p>	
10:30-11:00	Refreshment break	
11:00-13:00	Representing history and cultural heritage systems contextually Part 2 - Case study	<p>Dominic Oldman Dr Diana Tanase Cristina Giancristofaro</p>
13:00-14:30	Lunch	
14:30-15:30	Representing history and cultural heritage systems contextually: Exercises	<p>Dominic Oldman Dr Diana Tanase Cristina Giancristofaro</p>
15:30-16:00	Refreshment break	
16:00-17:00	<p>Additional session - Speed Networking (O'Reilly Theatre)</p> <p>DHOxSS is a great place to meet other digital humanists, but sometimes it can be a bit daunting to just strike up a conversation. In this session we invite you to meet each other rapidly. You'll get just 2 minutes to meet another digital humanist before the bell goes and you meet another. This will be an enjoyable and efficient way to find others with similar interests, and to</p>	

	find out who to have longer conversations with throughout the week.	
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Wednesday 5th July

Time	Session	Speakers
09:00-10:30	<p>Ontologies - in theory</p> <p>In this session, we discuss the purpose and functionality of ontologies, and look at some well-known examples of ontologies used in Digital Humanities projects and the GLAM sector.</p>	<p>Erin Canning</p> <p>Puyu Wang</p>
10:30-11:00	Refreshment break	
11:00-13:00	<p>Ontologies - in practice</p> <p>In this session, participants will develop an ontological structure of their own in groups, capturing the knowledge within a given sample dataset, or a dataset of their own (if applicable), and implement their ontologies in Protege.</p>	<p>Dr Terhi Nurmiikko-Fuller</p> <p>John Pybus</p> <p>Graham Klyne</p>
13:00-14:30	Lunch	
14:30-15:30	<p>Demoing the Ontologies</p> <p>Participants will demonstrate their ontological models to the rest of the group, and export it as .TTL (RDF).</p>	
15:30-16:00	Refreshment break	
16:00-17:00	<p>Additional lecture - Enhancing Collections Online</p>	<p>Sarah Joomun</p> <p>Caroline Moreau</p> <p>Helen Adams</p>

Thursday 6th July

Time	Session	Speakers
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09:00-10:30	<p>RDF - in theory</p> <p>In this session, we take another look at instance level RDF and discuss different methods for producing RDF from other data formats.</p>	Dr Kristen Schuster
10:30-11:00	Refreshment break	
11:00-13:00	<p>RDF - in practice</p> <p>In this session, participants are able to experiment with different methods for producing RDF, depending on their aims, skills and levels of confidence, and the requirements of their projects and data.</p>	Dr Kristen Schuster
13:00-14:30	Lunch	
14:30-15:30	<p>VISITING SPEAKER: Associate Prof Sebastian Heath</p> <p>A best practice of Linked Open Data is that digital resources be reusable within computational environments. This talk will highlight existing projects within Ancient Mediterranean studies that do allow the automatic acquisition, querying, and visualization of the data they provide. The approach will be practical. What can be built with these resources? This talk will answer that question by way of examples that combine data from multiple sources. By illustrating re-use, this talk will also identify the steps that projects are taking to make such use possible.</p>	Sebastian Heath
15:30-16:00	Refreshment break	
16:00-17:00	Additional lecture - Shaping the UK-Ireland Digital Humanities Association	<p>Orla Murphy</p> <p>Michael Donnay</p> <p>Kristen Schuster</p> <p>Paul Gooding</p> <p>Arianna Ciula</p>

Friday 7th July

Time	Session	Speakers
09:00-10:30	<p>SPARQL - in theory</p> <p>In this session, participants have a look at the SPARQL Protocol and RDF Query Language (SPARQL), the query language used to navigate, edit, filter, etc data published as RDF.</p>	<p>Terhi Nurmikko-Fuller</p> <p>John Pybus</p> <p>Graham Klyne</p>
10:30-11:00	Refreshment break	
11:00-13:00	<p>SPARQL - in practice</p> <p>In this session, participants will engage with the SPARQL Protocol and RDF Query Language (SPARQL), the query language used to navigate, edit, filter, etc data published as RDF.</p>	<p>Terhi Nurmikko-Fuller</p> <p>John Pybus</p> <p>Graham Klyne</p>
13:00-14:30	Lunch	
14:30-15:30	<p>VISITING SPEAKER: Anne Chen</p> <p>The International Digital Dura-Europos Archive (IDEA) is a project aimed at increasing global access to, and comprehensibility of, data and artifacts from the important cultural heritage site of Dura-Europos (Syria). Using Linked Open Data (LOD), IDEA endeavors to create a comprehensive and extensible digital archive whose data points can be freely reused, and to develop a web application that provides multilinguistic access to the integrated Dura-Europos archival resources in a single interface, together with visualizations to enhance data intelligibility at a glance. The planned work will make c. 30,000 artifacts and archival documents searchable in Arabic for the first time. Looting at Dura since 2011 has regrettably compromised the site for future stratigraphic research. Accessibility of data from controlled scientific excavations prior to 2011 is therefore of paramount importance as the basis for future teaching and research, including anti-trafficking efforts related to the site.</p>	<p>Anne Hunnell Chen</p>

15:30-16:00	Refreshment break	
16:00-17:00	Closing Keynote - Critical Technology Discourse – creating a space for a public reckoning with technology	Oonagh Murphy

From Text to Tech

Monday 3rd July

Time	Session	Speakers
09:00-10:00	Opening keynote - One step up: using digital humanities to bring community generated digital content into a national collection	Lorna Hughes
10:00-10:30	Refreshment break	
10:30-12:00	Introduction to programming in Python The session provides a basic introduction to programming for digital humanities using the Python language. Among the topics covered are assignments and variables, data types, conditional statements, and reading/writing data.	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
12:00-13:30	Lunch	
13:30-15:30	Introduction to programming in Python (continued)	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
15:30-16:00	Refreshment break	
16:00-17:00	Talk TBC	

Tuesday 4th July

Time	Session	Speakers
09:00-10:30	Basic text processing with Python The session gives an introduction to working with text data in Python. Topics include simple regular expressions and other methods for handling text data.	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
10:30-11:00	Refreshment break	
11:00-13:00	Data structures in Python	Kaspar Beelen

	This session will cover basic data structures like lists and dictionaries in Python, with practical examples.	Mariona Coll Ardanuy Federico Nanni
13:00-14:30	Lunch	
14:30-15:30	Exercises and catching-up session	
15:30-16:00	Refreshment break	
16:00-17:00	<p>Additional session - Speed Networking (O'Reilly Theatre)</p> <p>DHOxSS is a great place to meet other digital humanists, but sometimes it can be a bit daunting to just strike up a conversation. In this session we invite you to meet each other rapidly. You'll get just 2 minutes to meet another digital humanist before the bell goes and you meet another. This will be an enjoyable and efficient way to find others with similar interests, and to find out who to have longer conversations with throughout the week.</p>	

Wednesday 5th July

Time	Session	Speakers
09:00-10:30	<p>Working with semi-structured and tabular data</p> <p>This session gives an introduction to working with semi-structured texts, such as XML or HTML documents. It shows how to access data via APIs and analyse the content with Pandas</p>	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
10:30-11:00	Refreshment break	
11:00-13:00	<p>Working with semi-structured and tabular data (continued)</p>	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
13:00-14:30	Lunch	
14:30-15:30	Exercises and catching-up session	
15:30-16:00	Refreshment break	

16:00-17:00	Additional lecture - Enhancing Collections Online	Sarah Joomun Caroline Moreau Helen Adams
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Thursday 6th July

Time	Session	Speakers
09:00-10:30	Introduction to Natural Language Processing in Python This session provides an introduction to natural language processing in python, with a focus on text preprocessing, covering tasks such as lemmatization, part-of-speech tagging and named entity recognition.	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
10:30-11:00	Refreshment break	
11:00-13:00	Introduction to Natural Language Processing in Python (continued)	
13:00-14:30	Lunch	
14:30-15:30	Topic modelling In this session we cover how to apply topic models for understanding the content of a corpus and discover underlying trends.	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
15:30-16:00	Refreshment break	
16:00-17:00	Additional lecture - Shaping the UK-Ireland Digital Humanities Association (O'Reilly Theatre)	Orla Murphy Michael Donnay Kristen Schuster Paul Gooding Arianna Ciula

Friday 7th July

Time	Session	Speakers
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09:00-10:30	<p>Word embeddings</p> <p>We offer a kind introduction to semantic analysis with word embeddings. We show how this technique can be used for humanities research, such as tracking semantic change or understanding biases in a corpus.</p>	<p>Kaspar Beelen</p> <p>Mariona Coll Ardanuy</p> <p>Federico Nanni</p>
10:30-11:00	Refreshment break	
11:00-13:00	<p>Transformers for NLP</p> <p>This session introduces the concept of contextualized word embeddings and shows how to use them for different tasks using the HuggingFace libraries.</p>	<p>Kaspar Beelen</p> <p>Mariona Coll Ardanuy</p> <p>Federico Nanni</p>
13:00-14:30	Lunch	
14:30-15:30	Questions and open discussion	
15:30-16:00	Refreshment break	
16:00-17:00	<p>Closing Keynote - Critical Technology Discourse – creating a space for a public reckoning with technology</p> <p>In this talk I will examine how institutional bias multiplies technological bias to shape how we see and experience the world. The focus of the discussion will be on museums as public institutions and their role in shaping how visitors experience digitally mediated worlds. I will argue that while social and technological change are not a new concept for cultural organisations, what is new is the depth and reach of these technologies in terms of art form development, data creation, manipulation, and interpretation. In conclusion I will outline how cultural organisations and cultural practitioners can create space for important conversations about power, data and control.</p>	<p>Oonagh Murphy - Senior Lecturer in Digital Culture and Society, Institute for Creative and Cultural Entrepreneurship Goldsmiths, University of London</p>

Digital Musicology

Monday 3rd July

Time	Session	Speakers
09:00-10:00	Opening keynote - One step up: using digital humanities to bring community generated digital content into a national collection	Lorna Hughes
10:00-10:30	Refreshment break	
10:30-12:00	Introduction to Digital Musicology Over the coming week the Digital Musicology strand will introduce a wide variety of practical and theoretical digital techniques and illustrate their use within a number of musicology studies. Of course, in one week we can only scratch the surface of a myriad of methods and investigations - this talk contextualises the upcoming sessions as representative of wider study, setting the scene within the wider digital musicology landscape. Attendees will be invited to introduce themselves, their musicological interests, and their aims for the week.	Kevin Page David Lewis
12:00-13:30	Lunch	
13:30-15:30	Digital Music Notation There are two broad domains of digitised music: audio and so-called symbolic, which includes encodings of music notation. In this session we introduce the MEI music notation formats. We learn the models of music notation they employ, the text critical apparatus they provide, and how to prepare documents in these formats.	Kevin Page David Lewis
15:30-16:00	Refreshment break	
16:00-17:00	Hands on with the Music Encoding Initiative This session will introduce tools to edit MEI and digitally engrave notation.	Kevin Page David Lewis

Tuesday 4th July

Time	Session	Speakers
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09:00-10:30	<p>Descriptive information about music resources</p> <p>We consider 'metadata' in the context of music resources, and how it can be captured in the MEI 'header'. We will explore how MEI metadata can form the basis of thematic catalogues created using the MerMEId tool.</p>	Kevin Page David Lewis
10:30-11:00	<p>Refreshment break</p>	
11:00-13:00	<p>Computer processing of digital notated music: hands on with music21 and programming in Python</p> <p>Given a corpus of digital musical documents, how can we explore its contents? In this session we introduce the music21 toolkit which allows us to search for patterns in such music corpora and to prepare reproducible analytic tools. We learn its specialist query language and some basic Python programming techniques.</p>	Kevin Page David Lewis
13:00-14:30	<p>Lunch</p>	
14:30-15:30	<p>Friends with Benefits: Visualising Musicians' Networks</p> <p>This paper will explore how network diagrams mapping connections between musicians active in the mid- to late-eighteenth century can be used to identify key players in London's musical network. I will demonstrate how I converted eighteenth-century newspaper advertisements into network diagrams and consider how this approach could be expanded to explore other topics.</p>	Lizzy Buckle
15:30-16:00	<p>Refreshment break</p>	
16:00-17:00	<p>Additional session - Speed Networking (OReilly Theatre)</p> <p>DHOxSS is a great place to meet other digital humanists, but sometimes it can be a bit daunting to just strike up a conversation. In this session we invite you to meet each other rapidly. You'll get just 2 minutes to meet another digital humanist before the bell goes and you meet another. This will be an enjoyable and efficient way to find others with similar</p>	

	interests, and to find out who to have longer conversations with throughout the week.	
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Wednesday 5th July

Time	Session	Speakers
09:00-10:30	<p>Combining and disseminating music scholarship</p> <p>OWe explore standards and technologies which can be used to retrieve and bring together music data sources, such as IIF, Web Annotations, and Linked Data, with examples from the Beethoven in the House, Unlocking Musicology, and Digital Delius projects.</p>	<p>Kevin Page</p> <p>David Lewis</p>
10:30-11:00	Refreshment break	
11:00-13:00	<p>Using computers to analyse recordings: an introduction to signal processing</p> <p>This session, and the following hands-on session, introduces the basics of computational treatment of recordings of music, which are based on the concept of 'features' derivable from this 'signal' by suitable processing.</p>	<p>Kevin Page</p> <p>David Lewis</p>
13:00-14:30	Lunch	
14:30-15:30	<p>Using computers to analyse recordings</p> <p>This hands-on session will introduce you to the Sonic Visualiser software for extracting features from recordings, visualising those features, and will help you understand how features relate to perceptual and musical concepts.</p>	<p>Kevin Page</p> <p>David Lewis</p>
15:30-16:00	Refreshment break	
16:00-17:00	Additional lecture - Enhancing Collections Online	<p>Sarah Joomun</p> <p>Caroline Moreau</p> <p>Helen Adams</p>

Thursday 6th July

Time	Session	Speakers
09:00-10:30	<p>Using computer analyses to index and find recordings</p> <p>Having previously covered the extraction of features from musical recordings, in this session you will be introduced to the technique of using geometrical distance to quantify the similarity between sets of features, and we will relate application of that technique to the task of finding recordings of interest within a larger collection.</p>	<p>Kevin Page</p> <p>David Lewis</p>
10:30-11:00	Refreshment break	
11:00-13:00	<p>Training computers automatically to recognise patterns in recordings</p> <p>When analysing a large corpus of audio, a limiting factor is time: it is not practical to find patterns in a very large collections of audio by just listening. So-called 'machine learning' techniques offer a means around this limit. In this session we will show you how to use modern machine learning techniques to distill out patterns in large collections of audio, without exhaustive human audition.</p>	<p>Kevin Page</p> <p>David Lewis</p>
13:00-14:30	Lunch	
14:30-15:30	<p>"Signature Sound Vienna". A historical musicologist in the land of data science</p> <p>The annual New Years Concerts of the Vienna Philharmonic Orchestra are as ubiquitous as they are inscrutable. Despite being broadcast to millions annually around the world, precious little concrete information is available about how their particular sound and style is produced. Signature Sound Vienna, a research project at the mdw — University of Music and Performing Arts Vienna brings together a blend of close and distance listening, data tooling and discourse analysis to begin unpacking this particular black box.</p>	<p>Chanda VanderHart</p>
15:30-16:00	Refreshment break	
16:00-17:00	Additional lecture - Shaping the UK-Ireland Digital Humanities Association	<p>Orla Murphy</p>

		Michael Donnay Kristen Schuster Paul Gooding Arianna Ciula
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Friday 7th July

Time	Session	Speakers
09:00-10:30	<p>Automatic transcription of scanned notation</p> <p>This session explores the basics of Optical Music Recognition (OMR) software which, drawing upon feature extraction and machine learning techniques converts images of notation into a symbolic encoding.</p>	David Lewis
10:30-11:00	Refreshment break	
11:00-13:00	<p>Hands on: from digitisation to analysis, an end-to-end example</p> <p>Our final hands on session brings together aspects from across the whole week in one combined practical.</p>	Kevin Page David Lewis
13:00-14:30	Lunch	
14:30-15:30	<p>Round table discussion</p> <p>What next? -- we close the week with reflection and discussion of how digital musicology methods can be pragmatically and practically applied to our individual research.</p>	Kevin Page David Lewis
15:30-16:00	Refreshment break	
16:00-17:00	<p>Closing Keynote - Critical Technology Discourse – creating a space for a public reckoning with technology</p>	Oonagh Murphy

TEI

Monday 3rd July

Time	Session	Speakers
09:00-10:00	Opening keynote - One step up: using digital humanities to bring community generated digital content into a national collection	Lorna Hughes
10:00-10:30	Refreshment break	
10:30-12:00	What is TEI and why you might want to use it The principles of XML, markup and TEI and how they relate to research questions.	Yasmin Faghihi Matthew Holford Huw Jones
12:00-13:30	Lunch	
13:30-15:30	Creating and editing TEI documents The basics of TEI files using the Oxygen XML editor. Transforming TEI for research and publication.	Yasmin Faghihi Matthew Holford Huw Jones
15:30-16:00	Refreshment break	
16:00-17:00	Beyond the basics Working with the TEI header and the body	

Tuesday 4th July

Time	Session	Speakers
09:00-10:30	TEI for texts (1) Markup for text structure, editing, transcription, names, dates.	Yasmin Faghihi Matthew Holford Huw Jones
10:30-11:00	Refreshment break	
11:00-13:00	TEI for texts (2)	Yasmin Faghihi

		Matthew Holford Huw Jones
13:00-14:30	Lunch	
14:30-15:30	The Beckett Project A brief introduction to textual criticism and digital scholarly editing.	Dirk Van Hulle
15:30-16:00	Refreshment break	
16:00-17:00	Additional session - Speed Networking (O'reilly Theatre) DHOxSS is a great place to meet other digital humanists, but sometimes it can be a bit daunting to just strike up a conversation. In this session we invite you to meet each other rapidly. You'll get just 2 minutes to meet another digital humanist before the bell goes and you meet another. This will be an enjoyable and efficient way to find others with similar interests, and to find out who to have longer conversations with throughout the week.	

Wednesday 5th July

Time	Session	Speakers
09:00-10:30	Describing and transcribing manuscripts using TEI Using the msDesc module to encode manuscript descriptions Creating TEI descriptions and transcription of manuscript material	Yasmin Faghihi Matthew Holford Huw Jones
10:30-11:00	Refreshment break	
11:00-13:00	Exercise: Encoding manuscripts Practical exercises based on real life manuscripts	Yasmin Faghihi Matthew Holford Huw Jones
13:00-14:30	Lunch	
14:30-15:30	Analysing TEI data for critical purposes.	Christopher Ohge

	TEI data and digital humanities methodologies.	
15:30-16:00	Refreshment break	
16:00-17:00	Additional lecture - Enhancing Collections Online	Sarah Joomun Caroline Moreau Helen Adams

Thursday 6th July

Time	Session	Speakers
09:00-10:30	Encoding primary sources - correspondence Using TEI to encode correspondence	Elizabeth Smith
10:30-11:00	Refreshment break	
11:00-13:00	Encoding correspondence Practical examples and exercises of encoding letters with the correspDesc module	Elizabeth Smith
13:00-14:30	Lunch	
14:30-15:30	Real-world projects using TEI: the Darwin correspondence project	Elizabeth Smith
15:30-16:00	Refreshment break	
16:00-17:00	Additional lecture - Shaping the UK-Ireland Digital Humanities Association (O'Reilly Theatre)	Orla Murphy Michael Donnay Kristen Schuster Paul Gooding Arianna Ciula

Friday 7th July

Time	Session	Speakers
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09:00-10:30	Using Xpath to query TEI A practical approach to the Xpath query language	Mike Hawkins
10:30-11:00	Refreshment break	
11:00-13:00	Customising the TEI with schemas Using schemas to help with the creation and editing of TEI	Mike Hawkins
13:00-14:30	Lunch	
14:30-15:30	The Newton Project Real-world projects using TEI: the Newton project	Mike Hawkins
15:30-16:00	Refreshment break	
16:00-17:00	Closing Keynote - Critical Technology Discourse – creating a space for a public reckoning with technology	Oonagh Murphy

Digital Cultural Heritage

Monday 3rd July

Time	Session	Speakers
09:00-10:00	Opening keynote (O'Reilly Theatre) - One step up: using digital humanities to bring community generated digital content into a national collection	Lorna Hughes
10:00-10:30	Refreshment break, Arco Building	
10:30-12:00	Introduction to Digital Cultural Heritage Introductory lecture. In this session, we will explore a variety of virtual and augmented reality applications that engage with cultural heritage objects and sites.	Lisandra (Lia) Costiner
12:00-13:30	Lunch	
13:30-15:30	Introduction to Digital Cultural Heritage (continued) In this session, participants will explore a variety of virtual and augmented reality applications in the cultural heritage field using mobiles and VR headsets.	Lisandra (Lia) Costiner
15:30-16:00	Refreshment break - LR3, Thom Building	
16:00-17:00	TBA	

Tuesday 4th July

Time	Session	Speakers
09:00-10:30	Digital Modelling and the Reconstruction of Ancient Rome In this session, Prof. Matthew Nicholls will give an overview of his project reconstructing ancient Rome.	Matthew Nicolls
10:30-11:00	Refreshment break - LR3, Thom Building	

11:00-13:00	<p>Introduction to Digital Modelling in SketchUp</p> <p>This is an introduction to the intuitive and accessible 3D modelling software SketchUp. The aim is for participants with no previous experience of 3D work to get to grips with the software's fundamental principles and toolset, and undertake various simple 3D modelling tasks.</p>	Matthew Nicolls
13:00-14:30	Lunch	
14:30-15:30	<p>Introduction to Digital Modelling in SketchUp (continued)</p> <p>In this session we will continue working with SketchUp on 3D modelling tasks</p>	Matthew Nicolls
15:30-16:00	Refreshment break - LR3, Thom Building	
16:00-17:00	<p>Additional session - Speed Networking (O'Reilly Theatre)</p> <p>DHOxSS is a great place to meet other digital humanists, but sometimes it can be a bit daunting to just strike up a conversation. In this session we invite you to meet each other rapidly. You'll get just 2 minutes to meet another digital humanist before the bell goes and you meet another. This will be an enjoyable and efficient way to find others with similar interests, and to find out who to have longer conversations with throughout the week.</p>	

Wednesday 5th July

Time	Session	Speakers
09:00-10:30	<p>Introduction to Photogrammetry</p> <p>In this talk, participants will be introduced to the technique of photogrammetry. We will explore this technique, best practices, uses and limitations.</p>	TBA
10:30-11:00	Refreshment break - LR3, Thom Building	

11:00-13:00	<p>A Practical Introduction to Photogrammetry</p> <p>In this session, participants will learn how to capture an object of their choice using photogrammetry. They will learn how to set up for the capture to ensure best results, including camera settings and different lighting conditions (lightbox, natural light, interior and diffuse light). Finally, participants will try their hand at 3D capturing an object.</p>	TBA
13:00-14:30	Lunch	
14:30-15:30	<p>A Practical Introduction to Photogrammetry (continued)</p> <p>Practical demo of AgiSoft. In this session we will continue working with our photogrammetry data to create a mesh and to add texture to the model. This workshop will provide a step-by-step introduction to using the photogrammetry software Agisoft Photoscan. The workshop will start with a practical photography session before moving on to using photographs to create 3D-models.</p>	TBA
15:30-16:00	Refreshment break - LR3, Thom Building	
16:00-17:00	Additional lecture - Enhancing Collections Online (O'Reilly Theatre)	<p>Sarah Joomun</p> <p>Caroline Moreau</p> <p>Helen Adams</p>

Thursday 6th July

Time	Session	Speakers
09:00-10:30	A Practical Introduction to Creating Virtual Reality Applications in Unity	Richard Smith
10:30-11:00	Refreshment break - LR3, Thom Building	
11:00-13:00	A Practical Introduction to Creating Virtual Reality Applications in Unity (continued)	Richard Smith

	In this session, students will be introduced to the software Unity, how it functions, how to navigate within it, and how to set up a basic scene.	
13:00-14:30	Lunch	
14:30-15:30	Creating Augmented Reality Applications in Unity	Richard Smith
15:30-16:00	Refreshment break - LR3, THom Building	
	Additional lecture - Shaping the UK-Ireland Digital Humanities Association (O'Reilly Theatre)	Orla Murphy Michael Donnay Kristen Schuster Paul Gooding Arianna Ciula

Friday 7th July

Time	Session	Speakers
09:00-10:30	Introduction to 3D Printing [Presentation at Keble and trip to Bodleian Library to see equipment] In this session, students will be introduced to 3D printing technologies, and will be given a private tour of the 3D printing facility in the Bodleian Library, University of Oxford.	Richard Smith
10:30-11:00	Refreshment break - LR3, Thom Building	
11:00-13:00	Kick-start your own project workshop and discussion	Lisandra (Lia) Costiner
13:00-14:30	Lunch	
14:30-15:30	Kick-start your own project workshop and discussion	Richard Smith & Lisandra (Lia) Costiner
15:30-16:00	Refreshment break - Arco building	
16:00-17:00	Closing keynote speaker (O'Reilly Theatre) - Critical Technology Discourse – creating a space for a public reckoning with technology	Oonagh Murphy

Humanities Data

Monday 3rd July

Time	Session	Speakers
09:00-10:00	Opening keynote (O'Reilly Theatre) - One step up: using digital humanities to bring community generated digital content into a national collection	Lorna Hughes
10:00-10:30	Refreshment break	
10:30-12:00	A critical review of humanities data approaches After an introduction to what's coming up during the rest of the week, Neil Jefferies will provide a critical review of humanities data approaches. Choosing the correct approach for your data can have a significant impact on the success, or otherwise, of your research, and this talk will encourage you to critically evaluate all standards and practices much as you would evaluate your scholarly sources.	The convenors Neil Jefferies
12:00-13:30	Lunch	
13:30-15:30	Computer vision and machine learning This session will explore computer vision - or the extraction of data from images. Although digital humanists have a rich set of tools for searching and analysing text, images have until recently been less amenable to processing. The session will showcase tools developed by Oxford's Visual Geometry Group in collaboration with researchers in the humanities working in fields including book and art history, film, music and photography. Participants will gain an understanding of the state-of-the-art in such computer vision operations as image comparison, classification and search; of how humanists are currently using these methods; and how they can apply them to their own materials. We will use web demos and (optionally) user-installable software. No coding is required.	Giles Bergel
15:30-16:00	Refreshment break	
16:00-17:00	Framing digital objects with context and provenance Cultural and historical objects derive a lot of their meaning and interpretation from the contexts in which they are created and subsequently experienced. When	Neil Jefferies

	digital surrogates or born-digital artefacts are created, it is important that this contextual information is also represented in the digital domain. This talk will explore the nature of context and provenance (which can be seen as a historical series of contexts), and consider how they might be modelled digitally.	
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Tuesday 4th July

Time	Session	Speakers
09:00-10:30	<p>Networks in research (and networks of research)</p> <p>The relationships between entities are often as important as the entities themselves, be that correspondence between people, interactions between biological molecules, or links between websites. We will look at some of the basic terminology and concepts of the many types of network found in research, including examples of citation networks in publishing. Methods for visualising such networks will also be covered.</p>	Laurence Brown
10:30-11:00	Refreshment break	
11:00-13:00	<p>Framing digital objects with context and provenance (continued)</p> <p>Cultural and historical objects derive a lot of their meaning and interpretation from the contexts in which they are created and subsequently experienced. When digital surrogates or born-digital artefacts are created, it is important that this contextual information is also represented in the digital domain. This talk will explore the nature of context and provenance (which can be seen as a historical series of contexts), and consider how they might be modelled digitally.</p>	
13:00-14:30	Lunch	
14:30-15:30	<p>Humanities data miscellany</p> <p>Short presentations on a range of topics. Attendees will be given the chance to talk about their work (or just a topic they think is really cool). This is your opportunity to</p>	

	share what you're doing, and to tap into the knowledge and experience of your fellow delegates.	
15:30-16:00	Refreshment break	
16:00-17:00	<p>Additional session - Speed Networking (OReilly Theatre)</p> <p>DHOxSS is a great place to meet other digital humanists, but sometimes it can be a bit daunting to just strike up a conversation. In this session we invite you to meet each other rapidly. You'll get just 2 minutes to meet another digital humanist before the bell goes and you meet another. This will be an enjoyable and efficient way to find others with similar interests, and to find out who to have longer conversations with throughout the week.</p>	

Wednesday 5th July

Time	Session	Speakers
09:00-10:30	<p>OpenRefine for tabular data</p> <p>OpenRefine is a powerful tool for working with messy data. It can help you explore large datasets, clean them, and transform them from one format into another.</p>	Owen Stephens
10:30-11:00	Refreshment break	
11:00-12:00	OpenRefine for tabular data (continued)	Owen Stephens
12:00-13:00	<p>Introduction to relational databases</p> <p>This session looks at what a relational database is, and when and why it might be helpful to use one. It introduces some basic database concepts, and works through the process of planning a relational database - with some hands-on exercises to help start putting the theory into practice. We also look at some challenges posed by the sort of data often used in humanities projects, and how these might be addressed.</p>	Meriel Patrick Graham Addis

13:00-14:30	Lunch	
14:30-15:30	Introduction to relational databases (continued)	Meriel Patrick Graham Addis
15:30-16:00	Refreshment break	
16:00-17:00	Additional lecture (O'Reilly Theatre) - Enhancing Collections Online	Sarah Joomun Caroline Moreau Helen Adams

Thursday 6th July

Time	Session	Speakers
09:00-10:30	<p>Getting started with mapping and GIS</p> <p>What is a map and how can it help us? Whether we're travelling from A to B or carrying out a complex spatial analysis, being able to handle geographic data is a useful skill. This session introduces key concepts in cartography and Geographic Information Systems (GIS) and how these tools can be useful in our work.</p>	Martin Davis
10:30-11:00	Refreshment break	
11:00-13:00	IIF: the International Image Interoperability Framework	Neil Jefferies
13:00-14:30	Lunch	
14:30-15:30	<p>The Quill Project</p> <p>The Quill Project is an interdisciplinary digital-humanities project that examines the negotiation of legal texts. This session will discuss problems of representing these kinds of processes, designing interfaces for data-entry, collaboration with undergraduate students, and visualisation design.</p>	Nick Cole
15:30-16:00	Refreshment break	
16:00-17:00	Additional lecture (O'Reilly Theatre) - Shaping the UK-Ireland Digital Humanities Association	Orla Murphy Michael Donnay

		Kristen Schuster Paul Gooding Arianna Ciula
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Friday 7th July

Time	Session	Speakers
09:00-10:30	<p>Taylor Digital Editions</p> <p>This session will give an overview of the Digital Editions course taught to students at the Taylor Institution Library. It demonstrates how to create, store, preserve and publish your digital objects for free!</p>	Emma Huber
10:30-11:00	Refreshment break	
11:00-13:00	<p>Generative AI in the humanities</p> <p>While we are increasingly familiar with the application of machine learning techniques in the analysis of humanities data, what about the use of AI to generate data? We ask what are the opportunities to benefit from generative techniques, and also what issues does it raise - especially in terms of authenticity, provenance, reproducibility and copyright. How will best practice become established in this field? This is a discussion session which will build on some text generation examples, and it follows on from the DiSc talk the previous day, which focuses on generative AI in the context of creativity and music.</p>	David De Roure
13:00-14:30	Lunch	

14:30-15:15	<p>Corpus linguistics</p> <p>Before the terms 'big data', 'data science', 'evidence-based research', 'digital humanities', 'distant reading' or 'text mining' were current, there was 'corpus linguistics', in which a digital, data-driven approach was developed to text analysis and the study of language usage. Whether it is considered as a set of methods or an academic sub-discipline, corpus linguistics continues to thrive and grow as an approach to research in linguistics and related fields. Nowadays, there are a wide range of tools - applications, interfaces, environments and platforms of various types which are available to do corpus linguistics. This presentation will offer a tour of these tools, what you can and can't do with them, and offer some suggestions and tips on how to choose among the sometimes bewildering array of options.</p>	Martin Wynne
15:15-15:30	<p>Wrap-up session</p> <p>We'll conclude the strand with a brief wrap-up session, drawing together some threads from the week's presentations, and suggesting some possible next steps.</p>	The convenors
15:30-16:00	<p>Refreshment break</p>	
16:00-17:00	<p>Closing Keynote (O'Reilly Theatre) - Critical Technology Discourse – creating a space for a public reckoning with technology</p>	Oonagh Murphy

Digital Texts – Virtual Strands

Monday 3rd July

Time	Session	Speakers
14:00 - 15:00	<p>Introducing Digital Texts</p> <p>Introducing the strand with a discussion of the diversity of textual forms and approaches, and the consequent need for a variety of techniques and tools.</p>	Neil Jefferies
15:00 - 16:00	<p>What are Digital Editions and Why?</p> <p>This talk will consider what the migration of critical editions to digital platforms offers the researcher; the relationship between the digital as a replication of the print edition and the status of the digital edition; how digital resources can enhance scholarly work and what the challenges are for electronic scholarly editors in an editorial environment that is more fluid than bibliographic editing; and why dynamic databases can enable a more collaborative critical engagement of reader with editor than has been possible previously.</p>	Jack Orchard
16:00 - 17:00	<p>The Harriot Papers: Transcribing De infinitis</p> <p>This case study draws from a workshop that the University of Notre Dame hosted to transcribe the De infinitis (On Infinity), a manuscript treatise by early modern English polymath Thomas Harriot. In this session exploring the making of The Harriot Papers, the organizers will outline current practices, workflows, and future designs related to collaborative scholarly transcription endeavors, also known as transcribathons. Transcribing De infinitis allowed international scholars, joining both in person and online, to collaborate live on selected manuscript pages in a digital format – a democratic and organic process in which questions about Harriot’s manuscripts emerged in their contexts and informed the computational and editorial strategies used to represent those ideas. Making original use of widely available tools such as Notion and Google Jamboard, collaborators produced a sample of machine-readable text, while developing a set of editorial decision-making practices. At the same time,</p>	The Harriot Papers, based at The University of Notre Dame, the Bodleian Library, Oxford, and the Cambridge University Library, is funded by the National Endowment for the Humanities and the Arts and Humanities Research Council (AHRC).

	interpreting Harriot's references to the history of mathematics and literature advanced knowledge of mathematical and philosophical concepts of the infinite found in English and multilingual sources.	
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Tuesday 4th July

Time	Session	Speakers
14:00 - 15:00	<p>Bringing large cultural heritage text collections online for scholarly use.</p> <p>This presentation will show and discuss examples of how large text collections from Dutch cultural heritage institutions are processed, automatically enriched and unlocked for scholarly online use. Cases discussed will include a heterogenous text corpus of 20 billion words for diachronic linguistic research (Nederlab), but also the complete set of 17th and 18th century Resolutions of the Dutch StatesGeneral from the Dutch National Archive, that are currently made available as online collection for historical research.</p>	Hennie Brugman
15:00-16:00	<p>Fihrist - Pioneering a collaborative manuscript catalogue in TEI</p> <p>A synopsis on the making of Fihrist – a union catalogue of manuscripts from the Islamicate World, from it's first attempts of modelling manuscript data in TEI to its build-up into a union catalogue and a continuing inspiration in the field.</p>	Yasmin Faghihi
16:00 - 17:00	<p>The Quill Project</p> <p>The Quill Project works to research the history and enhance understanding of some of the world's foundational legal texts. The Quill Project works to research the history and enhance understanding of some of the world's foundational legal texts.</p>	Nicholas Cole

Wednesday 5th July

Time	Session	Speakers
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9:00 - 10:00	Introduction to Text Encoding Initiative ABSTRACT - TBC	Katarzyna Kapitan
10:00 - 11:00	TEI, Transcription and Transmission, part I This session will give a practical insight into the considerations that go into creating a digital edition. What elements of a text are important? What should you transcribe, and how? How do you encode a text using TEI and why? Who are you encoding a text for and how do you ensure it meets the needs of your intended audience? This session will include practical exercises on TEI encoding and participants will be given the opportunity to encode a short text themselves as part of the session.	
11:00 - 12:00	TEI, Transcription and Transmission, part II This session will give a practical insight into the considerations that go into creating a digital edition. What elements of a text are important? What should you transcribe, and how? How do you encode a text using TEI and why? Who are you encoding a text for and how do you ensure it meets the needs of your intended audience? This session will include practical exercises on TEI encoding and participants will be given the opportunity to encode a short text themselves as part of the session.	Emma Hu

Thursday 6th July

Time	Session	Speakers
9:00 - 10:00	Unlocking the Simon Forman's and Richard Napier's Casebooks The Casebooks Project, funded by the Wellcome Trust and completed in 2019, encoded detailed metadata and excerpted transcriptions of the 80,000 medical records of Simon Forman and Richard Napier, arguably the most popular astrologer-physicians of the late Elizabethan and Jacobean ages. Their casebooks form the period's richest surviving set of medical records, providing invaluable insight into not only their medical practices but also the everyday lives and sufferings of the 60,000 people, from	Michael Hawkins

	<p>servants to noblemen, children to the elderly, who consulted them. At least 90% of the questions asked concerned health and disease. The remainder covered topics as diverse as marriage, employment, travel plans, theft, missing persons and even witchcraft. We faced many challenges encoding these records, such as how to model the complex interactions between the practitioners and their clients when no individual - including Forman and Napier - had ever read the entire collection because it is so vast. Unlocking Digital Texts (AHRC/NEH) will make these records more accessible than ever by allowing users to construct and annotate detailed narratives of the cases that interest them whether for exploring a single family's generational history, Forman's troubled love life or understandings of witchcraft and the supernatural.</p>	
10:00 - 11:00	<p>IIIF as a Basis for the Textual Analysis of Historical Prints</p> <p>The talk will show how IIIF manifests of historical prints can be used as basis for the annotation of text units, and how these annotations can be transformed into a data base. By enriching the data base entries with the results of automated text recognition, further possibilities for the textual analysis of historical sources open up.</p>	Ina Serif
11:00 - 12:00	<p>Digital Voltaire: from archival edition to digital resource</p> <p>In 2022, the Voltaire Foundation published the final volume in its prestigious Complete Works of Voltaire series – a 205 volume, 50+ year project to publish the entirety of the corpus of one of the most prolific writers of the eighteenth century in a critical edition which aimed for the highest scholarly standards. Our challenge now is to transform this achievement into an authoritative and highly flexible digital humanities resource, which aims to combine the experience and intellectual heritage of the archival project, but leveraging the very latest digital software developments. In this session, I will outline the scope of the project, talk about some of the challenges that we have faced so far, and decisions that have been made. I also hope to be able to present some work in progress visualisations of</p>	Alison Oliver

	the resource, and discuss some of the ways in which the project might develop in the future.	
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Friday 7th July

Time	Session	Speakers
9:00-10:00	<p>Microscope, Macroscope and Zoom: close, distant and scalable reading of texts in the Humanities</p> <p>Careful examination of texts has a long and distinguished history in the Humanities, and often involves the detailed examination of sources and of the ways in which meaning is produced in context. In the digital era, such 'close reading' is contrasted with 'distant reading', where more books than any one person could read in a lifetime are available as digital data. Tools and methods have been developed to explore and draw interpretations from these large text collections. Should we abandon close reading as an anachronism and embrace the new paradigm of big data? Or are there ways of zooming in and out between the detailed contextual readings and the big picture, and which can offer the advantages of both traditional and newer digital approaches?</p>	Martin Wynne
10:00 -11:00	<p>Text Mining Publications</p> <p>Abstract: TBC</p>	Peter Cornwell
11:00 - 12:00	<p>Critically evaluating tools & techniques</p> <p>Choosing the correct approach for your data can have a significant impact on the success, or otherwise, of your research, and this talk will encourage you to critically evaluate all standards and practices much as you would evaluate your scholarly sources.</p>	Neil Jefferies