



Today's outline

- Background notice
- Which of the digital humanities do methods relate to
- Course outline: three viewpoints into methods in digital humanities
- Practicalities
- Questionnaire



Background notice

- Target audience: people of all levels in the humanities interested in digital methods
- Prerequisites: absolutely none



Which of the digital humanities do methods relate to?



Digital humanities as humanities computing

The digital humanities comprise the study of what happens at the intersection of **computing tools** with cultural artefacts of all kinds. This study begins where basic familiarity with standard software ends. It probes how these common **tools** may be used to make new knowledge from our cultural inheritance and from the contemporary world. It equips students to analyze problems in terms of **digital methods**, choose those best for the job at hand, apply them creatively and assess the results. It teaches students to use **computing as an instrument** to investigate how we know what we know, hence to strengthen and extend our knowledge of the world past and present.

 Center for Computing in the Humanities. "Introduction to the Digital Humanities". King's College London. Accessed 19 February 2010.



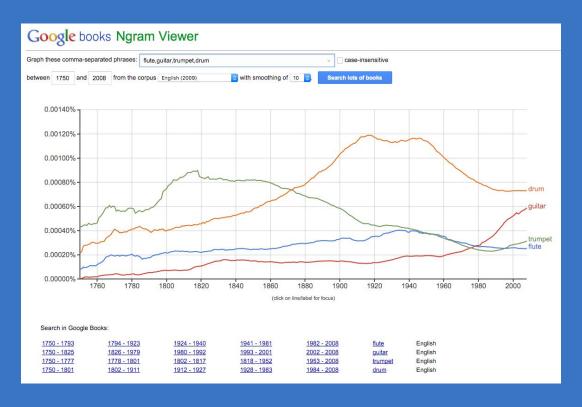
Digital humanities as the programming humanist

Do you have to know how to code? I'm a tenured professor of digital humanities and I say "yes." So if you come to my program, you're going to have to learn to do that eventually.

- Stephen Ramsay: Who's In and Who's Out, position paper at the "History and Future of Digital Humanities" panel at the 2011 mla

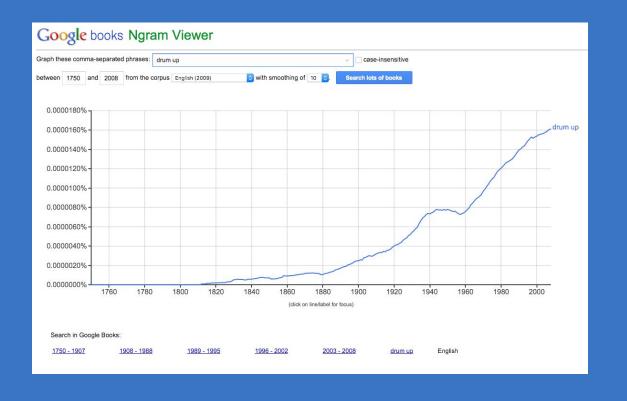


Digital humanities as culturomics





Digital humanities as culturomics



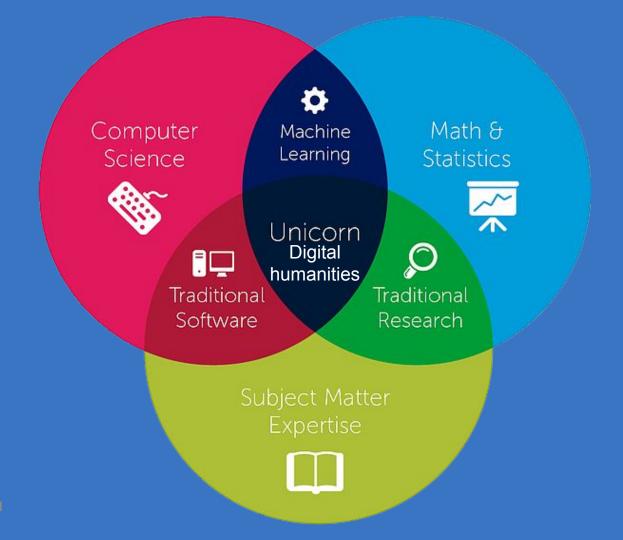


Digital humanities as multidisciplinary collaboration

Our mission is to produce, through the lens of humanistic inquiry, new modes of thinking in design and computer science to serve data-driven research in the humanities. We believe that humanistic inquiry, grounded in interpretation, has much to contribute to the development of technologies if they are to help us reveal ambiguity and paradox, allowing human-scale exploration of complex systems.

 About -page of the Humanities + Design research laboratory at Stanford





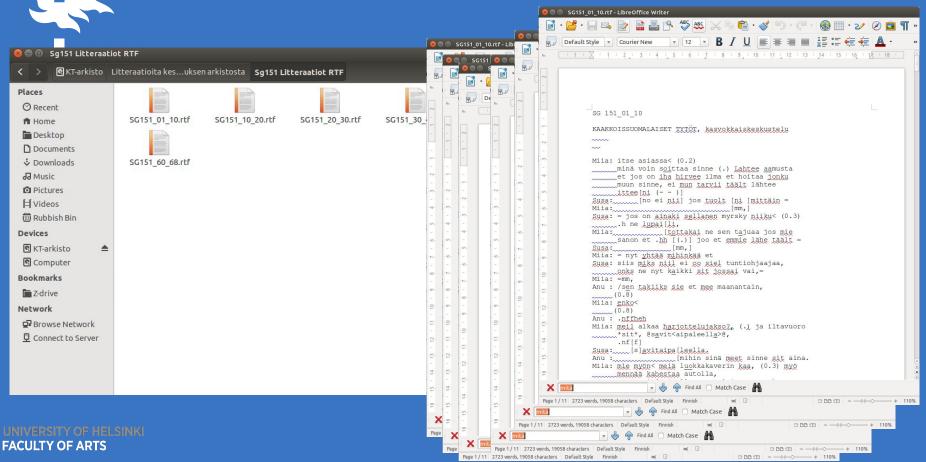
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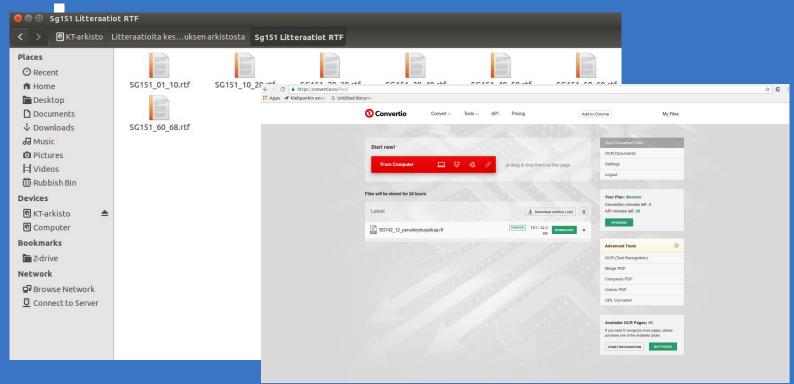
What to learn if you're a humanist?

- Knowledge of easy to use end-user data processing and visualization tools
 - Easy to use for their intended purpose, but limited
- 2. Knowledge of the fundamentals concepts of programming
 - Frees you to process your data more efficiently
 - Allows you to more freely apply visualizations etc based on ready libraries and tutorials on the Internet
- 3. High-level understanding of what types of things can be accomplished with advanced CS methods
 - To be able to communicate in collaborative projects

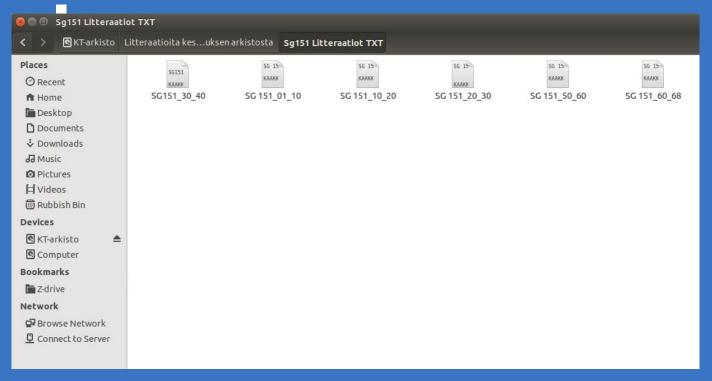




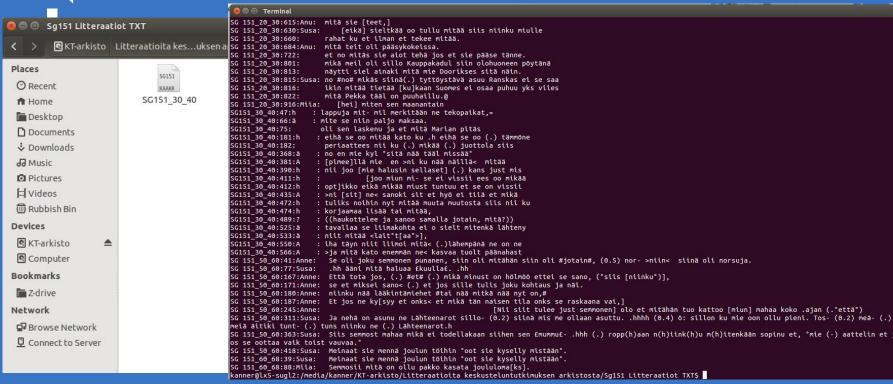






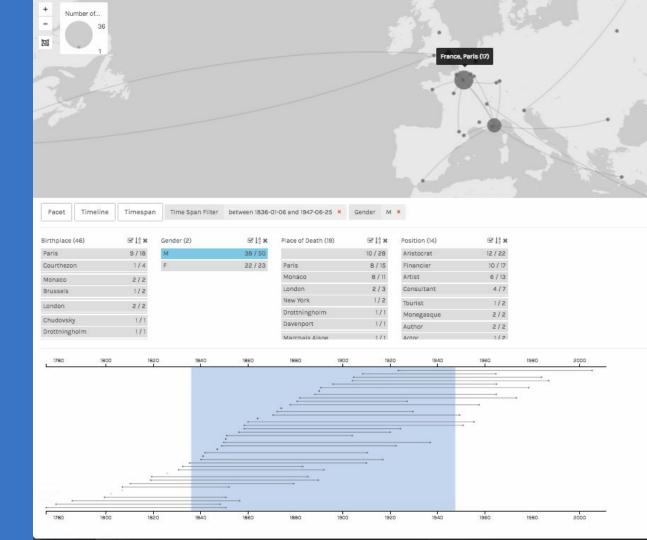






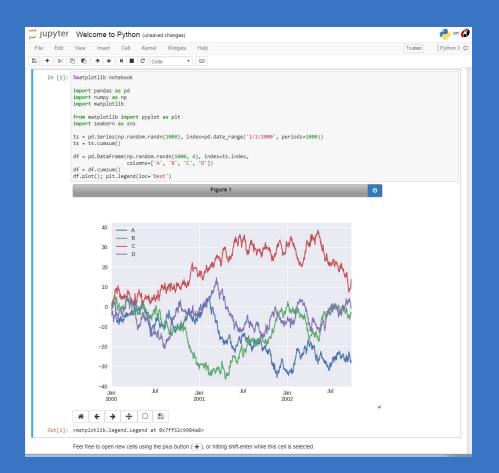


Quick example: End-user tools -Letters in Palladio





Quick example: programming



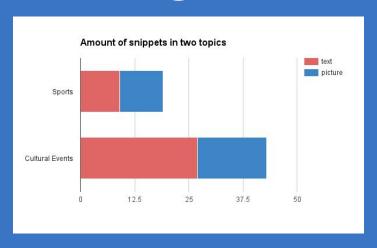


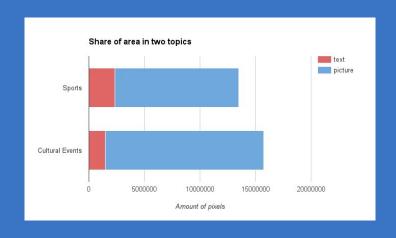
Quick example: method literacy - Words used disproportionately much in socialist newspapers





Layout choices by topic in in-flight magazines

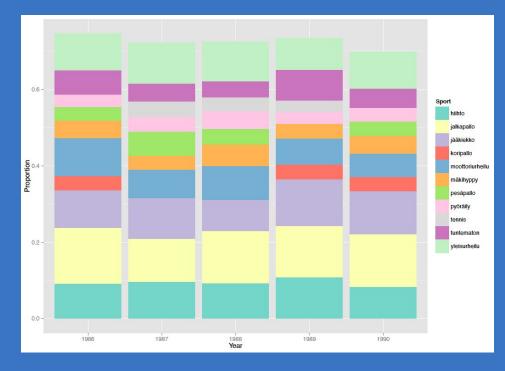






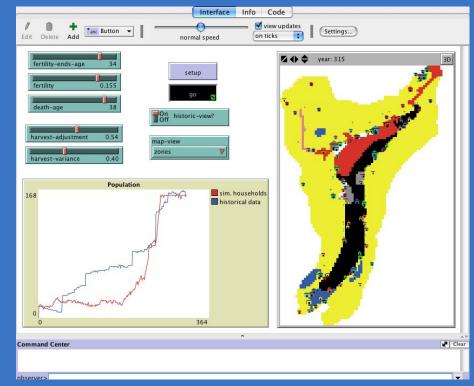
Proportion of sports coverage in Urheiluruutu by number of

minutes





Simulating the habitation of the Anasazi



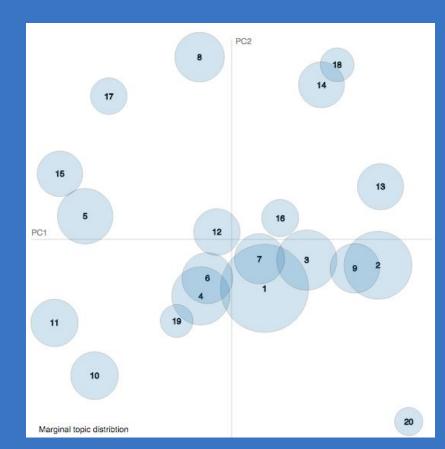


Quick example

Co-citation graph of mythical and real authorities in ancient Greek scientific texts



Quick example: <u>Data</u>
<u>analysis - topic</u>
<u>modeling +</u>
<u>dimensionality</u>
<u>reduction for letters</u>





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			RML		RMLR (2)	RMLR (2)	sees to such a substitute. In many places I imagine the rollers of stone may be cheaper; but that would not be the case here. Capper is returned and his having			
rambler (2)					RMLR (2)	RMLR (2)	seen you all has attacthed me to him. It is probable we may be concerned together in the erection of an oil mill which gave rise to the above question. In a			
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remembrancer	remembranc	yes	er1	1	RMMR	RMMRNSR	sometimes attached to a framework, over which a heavy object can be passed Region	ge of Origin subduple, adj. subduplicate, adj. subdural, adj.		
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					RMNT (9)	RMNTR (9)	A jay-like bird, Coracias garrulus (family Coraciidae), having mainly	subedar, n.		
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Don't get carried away by fancy methods!

- 1. Your dataset must be applicable to the methods you choose. Complex methods often make presuppositions about the data they apply to if you don't understand these deeply, you'll end up with invalid results
- 2. In typical DH research, 90% of your time will go to gathering and understanding the data and transforming it into a form you can use using complex methods, another 90% of your time may go to altering them to fit your data, and it'll run out
- 3. Complex methods are often unnecessary for DH work. On the contrary, often simpler methods are actually better.



Course outline

• @ Moodle



First assignment

- Look over the final projects from last year as well as the datasets listed. Select the project as well as the dataset that interest you the most
- Post a short message on the #meth4dh channel on the course <u>Slack</u> before on why you chose those two



- Moodle Slack



Questionnaire

- Flinga why are you here, what do you want? Questionnaire



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