Developing a data-science module for humanities teaching

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(all images are of the work of Kader Attia http://kaderattia.de)

The project:

Emerged from brilliantly open consultation around development of data science at AUP; related to development of new core-curriculum digital literacy requirement

An adaptable three-hour mini-module, using Python coding on Jupyter notebooks, to be used in literature classes (develop pedagogy to support it, enabling collaboration between computer-science majors and humanities majors). Basic computational analysis of literary texts and exploration of coding needed to do it.

Aims (for students) – students aware of computational thinking; empowered to enter the world of programing and data science; critical understanding of the status of digital and digitized texts (using decluttered Gutenberg texts); collaboration between humanities students and digital scientists

Aims (for AUP) – within our 'digital transformation': build a student research toolbox for independent computational analysis; develop a platform for jupyter notebooks and jupyter books; pilot 'connector courses' between data science and other disciplines

Aims (for AMICAL)? – is there interest in sharing these tools across the network?

Our questions for you:

Who are the actors in this kind of project at your institutions? Which roles have been key?

What are your tools for critical understanding of the status and structure of digital texts?

What's at stake for library (archiving digital projects, supporting digital research)?

Our ITS support is independent of academic affairs – how is this structured in your institutions?

How to build good cultural relations between computer scientists and humanities (faculty, students, support)?