Data mining: text, images, video (INFOMDMTIV)

General information

BLOCK: C

Course ID

INFOMDMTIV

Course type

Course

Credits

7.5 ECTS

Category / Level

Master

Instruction language

English

Offered by

Utrecht University - Faculty of Science - Graduate School of Natural Sciences - - - -

Content

Aims

After successfully concluding the course students are able to:  
• collect data from large cultural corpora  
• analyze a corpus by applying different methods of analysis  
• understand cultural analytics as a means for inquiring culture and utilizing data of cultural corpora for developing media formats, gaining insights into media production or use  
• utilizing the corpus in a case study.  
  
*Assessment*  
Written exam on theory and evaluation of project assignment.

Content

Cultural analytics concerns the use of data and digital methods for the inquiry of (large) cultural corpora. Using text mining and statistical analysis with R, exploratory programming and digital methods, students will employ data mining techniques on text, image or video archives. The objective is to develop  
insights into patterns of cultural production and media formats.  
  
*Course form*  
Lectures, tutorials on specific data analysis tools and practices.  
  
*Study materials*  
- course reader  
*-*book on R and Digital Humanities, like Taylor and Tilton “Humanities Data in R. Exploring Networks, Geospatial Data, Images, and Text” (2015)  
  
*Pre-requisites*  
Mandatory course Data Wrangling & Data Analysis