Digital Humanities Group

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Basics

- started 1.10.2015
- mainly based in Heyne Haus (Göttingen Centre for Digital Humanities, GCDH)
- intersection between Computer Science and the Humanities, especially wrt analysing natural language data

Current Members

- Caroline Sporleder
- Mariona Coll Ardanuy, Jürgen Knauth (PhD students)
- Mira Wolters, Lukasz Gagala (student assistants)
Computational Linguistics / Text Mining

How does a computer know

- ...whether the phrase "spill the beans" is used literally or idiomatically?
- ...that the following utterance contains a causal relation "Anna didn’t pass the exam. She didn’t study hard enough."?
- ...who was the perpetrator and who the victim in “Peter received a jail sentence for theft. Most of the stolen goods could be returned to John by the police.”?
Analysing Data from the Humanities

- **History**: Can text mining methods be applied to historical news corpora from the early 20th century in order to tell historians something about how the attitude to new technologies (radio, railway) varied in different countries?

- **Literature**: Do character networks automatically extracted from works of fiction say something about the author or the genre of the book?

- **Social Sciences**: How do non-governmental groups (e.g. Pegida) use social media to influence public debate?

- **Musicology**: How do the lyrics of popular music vary with genre (rap, heavy metal, pop) and time period (1980s vs. 2010s)?
Tools and Methods of Digital Humanities

- seminar & exercise session: Tue & Wed 8-10h, 3.101 (not on 13.4.)

⇒ text analysis for the Humanities: detecting emotions and sentiment

Emotions in Images and Texts: Representation and Digital Modelling

- with Martin Langner

- seminar: Mon, 16-18h, Übungsraum Klassische Archäologie, Seminargebäude: Nikolausberger Weg 15

⇒ How are emotions portrayed in images and texts? How can they be recognised and measured?
Digitale Bildwissenschaft und “Cultural Analytics”
- Ruth Reiche (History of Art)
- Wed 10-14h (fortnightly), KWZ - 2.602
  ⇒ digital image analysis

Illustration - Diagramm - Visualisierung
- Ruth Reiche (History of Art)
- Tues 12-14h, KWZ - 2.602 (first meeting in Seminargebäude - PH13)
  ⇒ comparative analysis of diagrammes, illustrations and visualisations from different time periods & disciplinary contexts

Göttingen Dialog in Digital Humanities
- Dr. Marco Büchler (GCDH)
- colloquium series
- Mon 16-18h, location varies
- http://etrap.gcdh.de/activities/gddh-2016/