



Introduction to Digital Scholarly Editing

Overview

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During thousands of years, written texts have been encoded with different technologies (carving, ink, etc), as inscriptions on a surface (mineral, vegetal or animal). Digital writing is encoded as binary bites, which creates a set new of **problems** and **opportunities**:

- Longevity of Digital Objects (Encoding-Decoding) -> Patrimony
- Machine Assisted Textual Analysis
- Innovative Visualization; ie. Human Readability

DIGITAL HUMANITIES (former *Humanities Computing*)

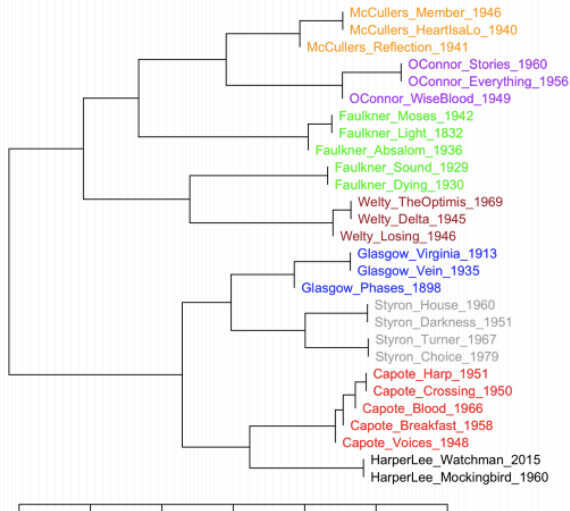
Roberto Busa (1913-2011)
Italian Jesuit Priest.
Developed the *Index
Tomisticus* (concordances
to the works of Thomas
Aquinas) together with IBM
starting in 1949.



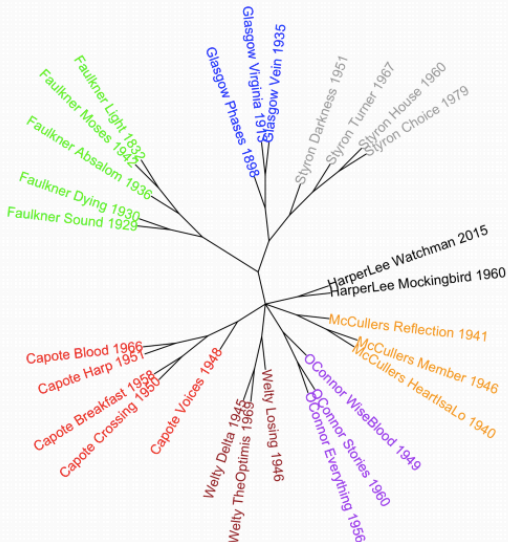
Computer Assisted Textual Analysis

- Voyant Tools: <https://voyant-tools.org/>
- Stylometry: <https://computationalstylistics.github.io/>
- Social and Geographical Networks

Harper Lee Cluster Analysis



Harper Lee
Bootstrap Consensus Tree



Social Networks

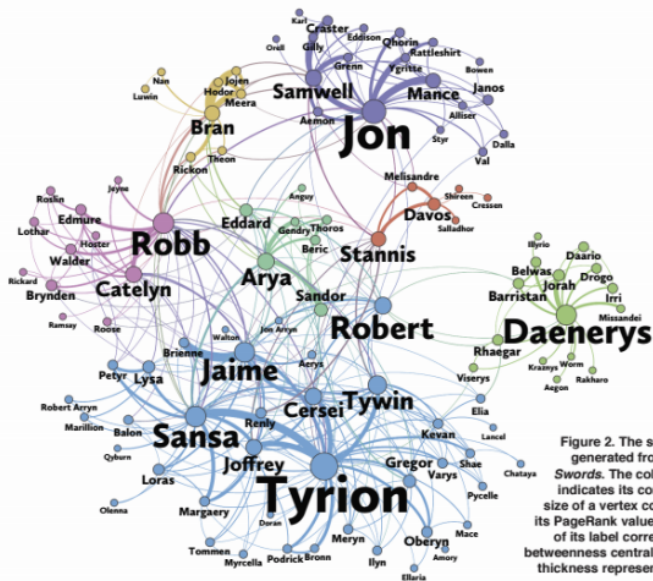
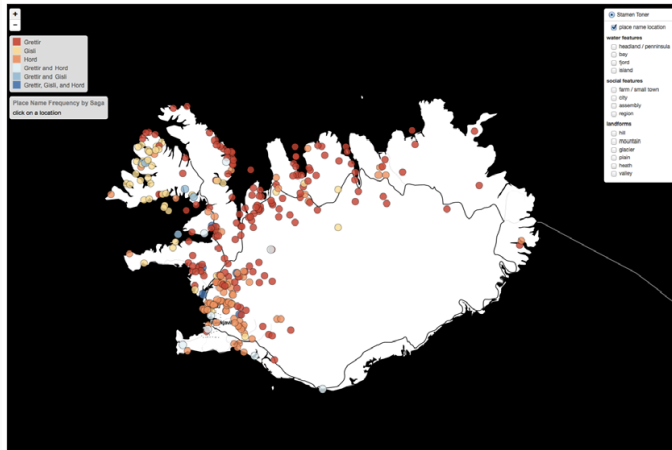


Figure 2. The social network generated from *A Storm of Swords*. The color of a vertex indicates its community. The size of a vertex corresponds to its PageRank value, and the size of its label corresponds to its betweenness centrality. An edge's thickness represents its weight.

Spatial Networks



Spatial Networks (Saga Map)



- Der arme Heinrich – Digital
- Konrad von Würzburg – Digital
- Lyrik des deutschen Mittelalters
- Dama Boba
- Petrus Plaoul
- Petrarca
- Der welsche Gast – Digital
- Lírica Portuguesa
- Beckett
- James Joyce Digital Archive
- Old Bailey Digital Archive (+ Digital Panopticon)

Overview of the course

- Plain Text
- XML-TEI
- XSLT Transformations
- Creating an online Digital Edition (HTML / Mark Down)
- Using Data from Digital Editions
- Open Access