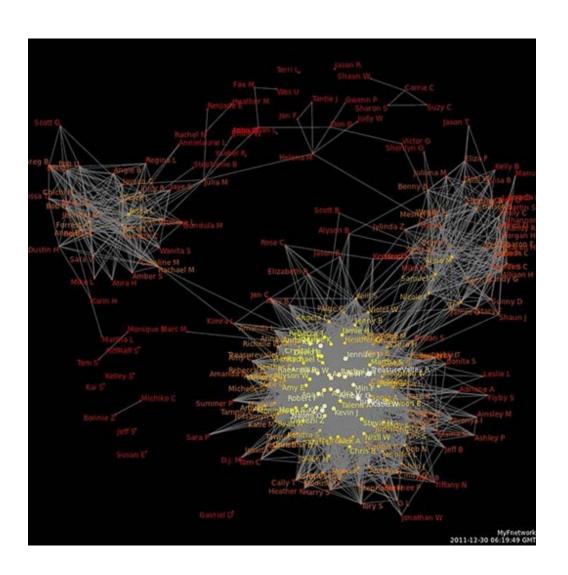
SNA & ancient literature Libanius' Epistolary Ego-Network

Social network analysis (SNA)

- Definition
- Terminology
 - nodes
 - edges = ties = links
- Origins & evolutions
 - social networks (psychology, anthropology, sociology)
 - network & graph theory (maths, computer sciences)
 - 1970s: synergies
 - 1990s and 2000s: boom



Friendship relations on Facebook

SNA: Dos and don'ts

DON'T

- Graphs as the main or only aim
- Conclusion 'networks matter'

Mere metaphor

DO

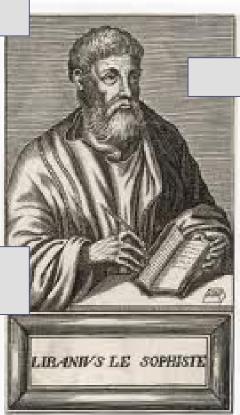
- Graphs can visualise, but matrices give more precise information
- Exact description of how (much) ties matter (or not)
- Structural/formal analysis

SNA & the ancient world

- History of ideas, esp. Religion
- Archaeology
- Conferences
- Yet what about literature, esp. letters?
 - Renaissance letters (McLean 2007)
 - Byzantine letters (Mullett 1997)
 - Antiquity:
 - Cicero (M.Alexander & J.Danowski 1990)
 - Libanius

Libanius

314-393 A.D.



Antioch

letters, orations, school exercises

Libanius' world

- Christianisation vs. paganism
- Centralisation vs. city-culture
- Law vs. rhetoric
- Latin vs. Greek

Approaching Libanius' letters

Traditional

- Polemic stance
- Influence fluctuating with emperors
- Selected Letters
- Qualitative analysis

SNA-based

- Bridging divides
- Emperor is not sole or most important node
- Whole letter-collection
- ➤ Qualitative + quantitative analysis
- Diachronic evolution

Applying SNA: Four steps

- From text to database
- From database to graphs & indicators
 - which software? (Netdraw, EgoNet, ...)
 - how to represent ego-network?
 - how to represent diachronical evolutions?
- From graphs & indicators to analysis
 - diachronical comparison
 - comparison with other authors?
- From analysis to presentation of results
 - digital publication?
 - IT-support & -maintenance?

From text to database: Challenges

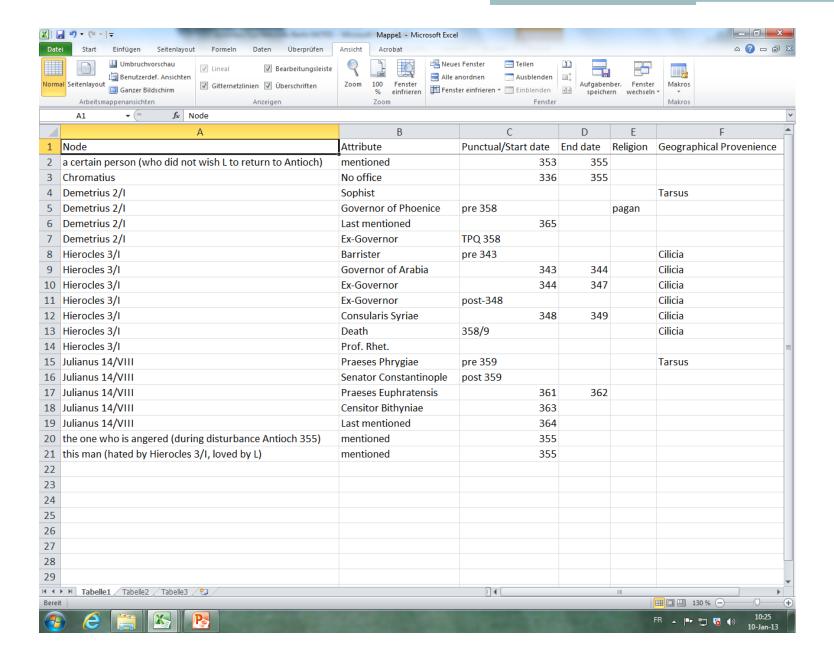
- Accessibility
 - Teubner-edition
 - less than 900 out of 1544 letters translated
- Nodelist

Libanius, Letter 390

What about anonymi?

How far to go?

Prosopography?



From text to database: Challenges

- Accessibility
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 - how far to go?
 - prosopography: PLRE vs. Seeck
- Edgelist

CAVEAT: Libanius' perspective

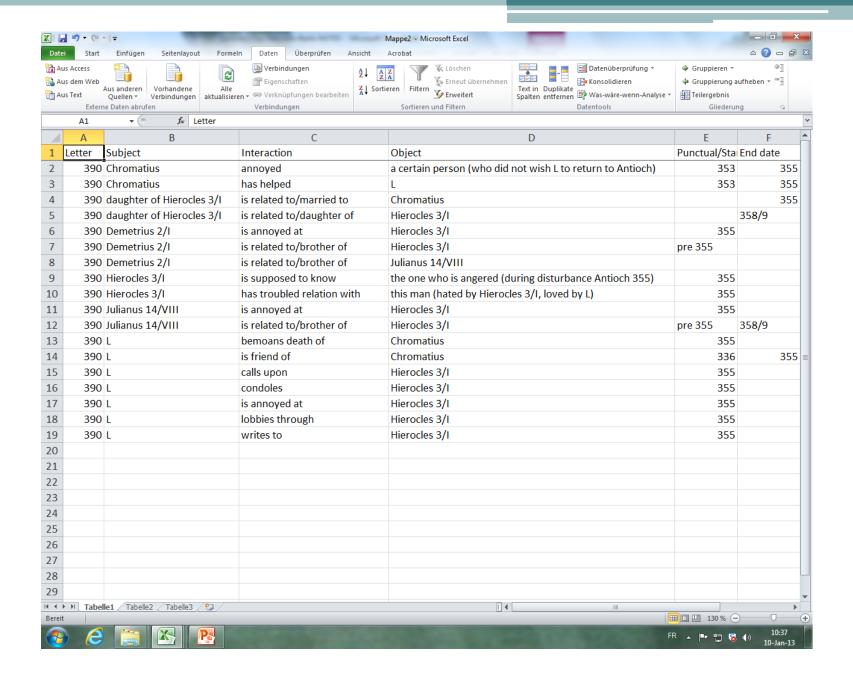
River or river-bed?

How many kinds of edges?

Beginning and end dates?

From text to database: Challenges

- Accessibility
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 - what about anonymi?
 - how far to go?
 - prosopography: PLRE vs. Seeck
- Edgelist
 - Libanius' perspective!
 - river or river-bed?
 - how many kinds of edges?
 - chronology



Conclusions

- Core conclusions
 - composition and range of Libanius' network
 - status
 - religion
 - geographical spread?
 - diachronical evolution of Libanius' network
 - uses made of network
- Additional conclusions
 - corrections to prosopography?
 - fourth-century social interaction