
Workshop Siena, Groningen, January 17-21, 2005.

Preliminary programme

Location: Room A3, Academy Building, Broerstraat 1, Groningen

Monday, January 17th

Walk-in welcome from 10.00, first lecture and discussion at 10.45

Morning: General introduction to actor-driven models for network evolution. Introduction to the analysis of network evolution with SIENA (with standard data provided by the workshop organizers).

Afternoon: Extension of the models with co-evolving behavioral dimensions.

Tuesday, January 18th

Whole day: Participants tell about their own research. Discussion of specific problems involved with each project.

Wednesday, January 19th

Morning: Introduction to specific issues when working with SIENA (*see lists below*).

Afternoon: Working with participants' own data.

Evening: Musical .

Thursday January 20th

Morning: Introduction to specific issues when working with SIENA (*continued*).

Afternoon: Working with participants' own data.

Friday January 21st

Morning: Remaining 'specific issues' and course summary.

The course will end around lunchtime.

Data-related issues:

- Changes in network composition: panel mortality and newly added actors,
- Missing data: ways to treat them, and impact on estimation results,
- Multilevel data: analysis of multiple similar network evolution processes,
- Outliers: their impact, how to detect them and how to handle the.

Issues of model specification and model selection:

- Heterogeneity of actors: tests and random effects models,
- Heterogeneity over time periods: assessing and testing
- Goodness-of-fit: testing of model specifications.

Other issues:

- Simulating network evolution according to SIENA models,
- Algorithmic problems, convergence, fixing of parameters.