WORKSHOP

NETWORK DYNAMICS

Instructor : Thomas Grund

5 DÉCEMBRE 2013

10 H – 16 H

Salle C-1017-13
Carrefour des Arts et Sciences

Pavillon Lionel-Groulx
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Thomas Grund is currently a post-doctoral researcher at CICC and works on issues around social networks, social dynamics and analytical sociology. Thomas studied computer science and sociology at University of Trier (Diplom), University of Cambridge (MPhil) and University of Oxford (DPhil). Before coming to Quebec, he held positions at ETH Zurich and Nuffield College in Oxford.

The empirical study of social network dynamics and emergence of social structures is currently receiving considerable attention. For example, novel actor-oriented modeling strategies that can be used to study how network structures evolve dramatically change the way scholars assess the social world.

Investigating the dynamics of change in networks or networks at different points in time can give insights into how networks work and what the underlying mechanisms are. This workshop gives an introduction to advanced statistical methods for the analysis of network dynamics. Topics include multilevel discrete-time event history analysis, relational event analysis and stochastic actor- oriented network models (SIENA). The workshop covers the theoretical foundation of these methods, but also gives hands-on instructions and examples for performing such analyses.

Throughout the workshop we use the software R. Prior knowledge of R is not required, but it is an advantage.

Prerequisites:

- Please bring a computer that has R running with a working internet connection
- Some basic knowledge of social network analysis
- If you have your own dataset that you want to work with during the workshop, please contact me in advance: thomas.u.grund@gmail.com