

NET-WORK-SHOP IV.

Network Dynamics: Recent developments

NET-WORK-SHOP is a series of workshops organized by the Institute for Sociology, Centre for Social Sciences, Hungarian Academy of Sciences and the Hungarian Network For Social Network Analysis (HUNNET). The aim of the workshops is to introduce and discuss the challenges and problems of social network analysis emerging during the research process. We principally expect MA or PhD students and young researchers of the field.

The fourth workshop is organized under the title „*Network Dynamics, Recent Developments*”. The event’s language is English. The venue is the Institute for Sociology, Centre for Social Sciences (Room 31, 1st floor) on 25th April from 10:00 to 17:00.

Schedule

10:15-10:30 - Opening

10:30-11:15 - Martin G. Everett: Introduction to Dynamics of Social Networks

In this talk we examine some of the facilities in UCINET and Netdraw to look at network change over time. These are mainly exploratory descriptive methods which help understand the dynamics of network change and help us to identify key features and actors within the network. In addition we show how permutation tests can be used to test hypothesis for certain aspects of network change such as transitivity and reciprocity.

11:15-11:45 - Discussion

11:45-13:00 – Lunch Break

13:00-15:00 - Per Block: Introduction to SIENA

Stochastic Actor-Oriented Models (SAOMs, or Siena models) model the changes in a network over time, both in terms of changes in the network itself, as well as changes of attributes of the nodes. To this end it explicitly takes the view of the nodes in the network, usually individual actors. Therefore, the model can represent a wide variety of factors that influence individuals decisions to change their immediate network, and decisions that guide behavioural change in response to their social ties. This makes SAOMs ideal for distinguishing processes of selection and influence in networks. The workshop will give an introduction to the theoretical model, the interpretation of results, and a short software demonstration.

Please bring your own laptop!

15:00-17:00 - Johan Koskinen - Introduction to Exponential Random Graph Models for Social Networks

Please bring your own laptop!About the presenters of the workshop:

Martin G. Everett is the chair of School of Social Sciences at the University of Manchester. His primary research field is the development and application of social network analysis methods. Besides his highly cited works, he is well known as the co-author of the UCINET social network analysis software.

Johan Koskinen is a lecturer in social statistics at the University of Manchester. He has earned his PhD at the University of Stockholm in 2011. His research is focused on modelling and inference issues for different types of social networks in varying contexts and circumstances. He is interested especially in network positions, roles and context of how these would be explored by social statistics.

Per Block is a DPhil student in Sociology at Nuffield College, University of Oxford. His main research interests are the theory of social network evolution and, as a result, challenging homogeneity assumptions in social network models.

Sponsor: Mérei Sociometric Association

The event is free of charge but it requires registration. Please write to Márton Gerő to the ***gero(at)socio.mta.hu***.