LOCATION AND DATE

20th – 23rd June 2016
NH Collection Palazzo Cinquecento
Piazza dei Cinquecento, 90
00185 Rome

FOR FURTHER INFORMATION CONTACT

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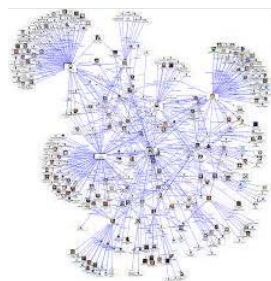Fax +39 0864 206014
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COURSE LEADERS

Una-Louise Bell, TStat S.r.l.

Thomas Grund,
University College Dublin

The field of social network analysis is one of the most rapidly growing fields of the social sciences. Social network analysis focuses on the relationships that exist between individuals (or other units of analysis) such as friendship, advice, trust, or trade relationships. As such, network analysis is concerned with the visualization and analysis of network structures, as well as with the importance of networks for individuals' propensities to adopt different kinds of behaviors. Up until now, researchers wishing to implement this type of analysis have been force to use specialized software for network analysis. A new set of user written commands (developed by Thomas Grund, co-author of the forthcoming Stata Press title "*An Introduction to Social Network Analysis and Agent-Based Modeling Using Stata*") are however, now available for Stata. This course introduces the so-called **nwcommands** suite of over 90 Stata commands for social network analysis. The suite includes commands for importing, exporting, loading, saving, handling, manipulating, replacing, generating, visualizing, and animating networks. It also includes commands for measuring various properties of the networks and the individual nodes, for detecting network patterns and measuring the similarity of different networks, as well as advanced statistical techniques for network analysis including MR-QAP and ERGM.

In common with TStat's workshop philosophy, each individual session, is composed of both a theoretical component (in which the techniques and underlying principles behind them are explained), and an applied (hands-on) segment, during which participants have the opportunity to implement the techniques using real data under the watchful eye of the course tutor. Throughout the workshop, theoretical sessions are reinforced by case study examples, in which the course tutor discusses current research issues, highlighting potential pitfalls and the advantages of individual techniques. The intuition behind the choice and implementation of a specific technique is of the utmost importance. In this manner, course leaders are able to bridge the "often difficult" gap between abstract theoretical methodologies, and the practical issues one encounters when dealing with real data.

At the end of the course, participants are expected to be able to autonomously implement the theories and methodologies discussed during the course.

DAY 1 – TUESDAY (optional)	*An Introduction to Stata*
DAY 2 – WEDNESDAY	Introduction, Network Data, Dyads, Distance, Triads
DAY 3 – THUSDAY	Centrality, Centralization, Simulation, Visualization, Animation
DAY 4 – FRIDAY	Hypothesis Testing, Conditional Uniform Graphs, Quadratic Assignment Procedure, Regression Approach, ERGM

TARGET AUDIENCE: The workshop provides an interdisciplinary venue for social scientists, mathematicians, computer scientists, ethnologists, epidemiologists, organizational theorists, and others to present current work in the area of social networks.

COURSE REQUISITES: A basic working knowledge of Stata.

ADMISSION AND REGISTRATION FEES: The course fee covers: i) course materials (copies of lecture slides, databases and Stata routines used during the workshop) and ii) a temporary licence of Stata valid for 45 days from the beginning of the course; light lunch and coffee break.

SOCIAL NETWORK ANALYSIS (3 DAYS)
Student € 550,00+VAT (22%)
Academic € 1035,00 + Vat (22%)
Non-academic € 1380,00 + VAT (22%)

SOCIAL NETWORK ANALYSIS PLUS INTRODUCTION TO STATA (4 DAYS)
Student / Graduate Student € 733,00+VAT (22%)
Academic € 1380,00 + Vat (22%)
Non-academic € 1840,00 + VAT (22%)

A non-refundable deposit of €100.00 for students and €200.00 for academic and commercial participants, is required to secure a place and is payable upon registration. The number of participants is limited to 20. Places will be allocated on a first come, first serve basis.

A limited number of rooms have been reserved for Workshop participants, at the cost of €95.00 per person, including breakfast.

Individuals interested in attending the workshop must return their completed registration forms either by email (corsi@tstat.it) or by fax (+39 0864 206014) to TStat by May 31, 2016.