Workshop **Social Network Analysis for Two-Mode Networks**

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**Overview**

This workshop offers a comprehensive overview of ways to deal with two-mode social network data. The course covers topics such as centrality, equivalence, core-periphery and bi-clique analysis for two-mode networks. It also deals with permutation techniques and two-mode community detection. The workshop will rely on the UCINET software package.

**Location (in-person and online via zoom)**

Sala professori (to be confirmed), I piano, Department of Sociology and Social Research (DSRS), Via Verdi 26, Trento

For online participation, the zoom link will be provided after registration.

**Time and dates**

Wednesday 22 June 14:00-17:00

Thursday 23 June 10:00-13:00 & 15:00-18:00

Friday 24 June 10:00-13:00

**Practical information**

Participants are expected to bring their own laptop and install UCINET before the start of the workshop: [https://sites.google.com/site/ucinetsoftware/download](https://sites.google.com/site/ucinetsoftware/download)

Note that UCINET runs on Windows. For Mac users you will need to use a Windows emulator such as Parallels or Oracle VM VirtualBox.
Detailed overview of topics covered in workshop:
The workshop will cover the following topics:

**Wednesday 14:00-17:00**
- Introduction to two-mode and review of SNA
- Sources and examples of data.
- Review of UCINET/Netdraw and intro to xUCINET
- Two-mode Twitter data and vosonSML
- Visualization
- Projection

**Thursday 10:00-13:00**
- Bipartite representation
- Centrality two-mode normalization for degree, betweenness, closeness, eigenvector
- Bi-cliques

**Thursday 15:00-18:00**
- Dual projection
- Equivalence
- Centrality
- Core-periphery

**Friday 10:00-13:00**
- Two-mode community detection
- Valued data
- Permutation tests for two-mode

**Background reading**


