Social network analysis using R

Proposing professor and teacher: prof. Filip Agneessens

ON LINE

Department of Sociology and Social Research - via Verdi 26

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<th>Date</th>
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| 20/05/2022 | 10:00-13:00     | Session 1  - Importing data  
- Centrality measures  
- Group-level measures | ONLINE    |
| 20/05/2022 | 15:00-18:00.    | Session 2  - Cliques - Community detection  
- Structural equivalence  
- Blockmodeling and structural equivalence | ONLINE    |

Objectives:
This seminar provides students with an overview of basic functions to analyse social networks using R. Basic knowledge of R and social network analysis is assumed, as well as a good working knowledge of English (written and spoken). We will show how to import data, calculate centrality measures and group-level measures, as well as identify communities and perform basic blockmodeling. For more details see the book by Borgatti, Everett, Johnson and Agneessens. “Analysing social networks with R” (Sage, 2022)

The seminar series is open to all the students of the Department of Sociology and Social Research (Laurea Triennale e Magistrale).

Credits and Assessment:
The minimum hours of attendance “in presence” cannot be less than 60%; the teachers will be able to provide material and support to non-attending students for the remaining 40% but at their discretion and as they deem appropriate.

Students are expected to attend and to perform a set of exercises and interpret/discuss the results (the paper will be in English). The reflection paper should be sent to Filip Agneessens via email (filip.agneessens@unitn.it) on the 30th June 2022 (between 9.00am and 17.00pm and NO later than this date/time). The instructor will provide students with the guidelines and the necessary materials during the introductory and concluding class and through Moodle. Upon the successful completion of the seminar series and the submission of the reflection paper students will be assigned 1 ECTS/CFU. Credit valid for Meth. Lab.

How to enroll: register on-line here http://www.sociologia.unitn.it/100/seminari-di-credito until May 18, 2022 (the seminar is for 20 participants)