



Social Network Analysis

SICSS 2019 | Logistics | Dr. Oliver Posegga



Schedule



Time	Topic
09:00 – 09:15	Logistics
09:15 – 09:30	Network analysis: then and now
09:30 – 10:00	The fundamentals of network analysis
10:00 – 10:30	Plotting networks
10:30 – 10:45	Coffee break
10:45 – 11:45	Node and network level measurements
11:45 – 12:30	Exploring network properties
12:30 – 13:30	Lunch
13:30 – 15:45	Group exercise
15:45 – 16:00	Break
16:00 – 17:30	Guest speaker: Fariba Karimi

Learning goals

- Get a brief glimpse in the history of social network analysis
- Learn the basics of using digital trace data for social network analysis
- Become familiar with the fundamental concepts and definitions of social network analysis
- Learn how to visualize and explore network using R and iGraph

Prerequisites

- Basic R skills
- Familiarity with fundamental R data structures and libraries

About this course

- In the first two sessions of this course, we will discuss the basics of social network analysis
- In the third session, we will explore R and igraph and learn how to create, inspect, and visualize networks
- In the fourth session, we will introduce and discuss node and network level measures to analyze social networks