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21.02.2024

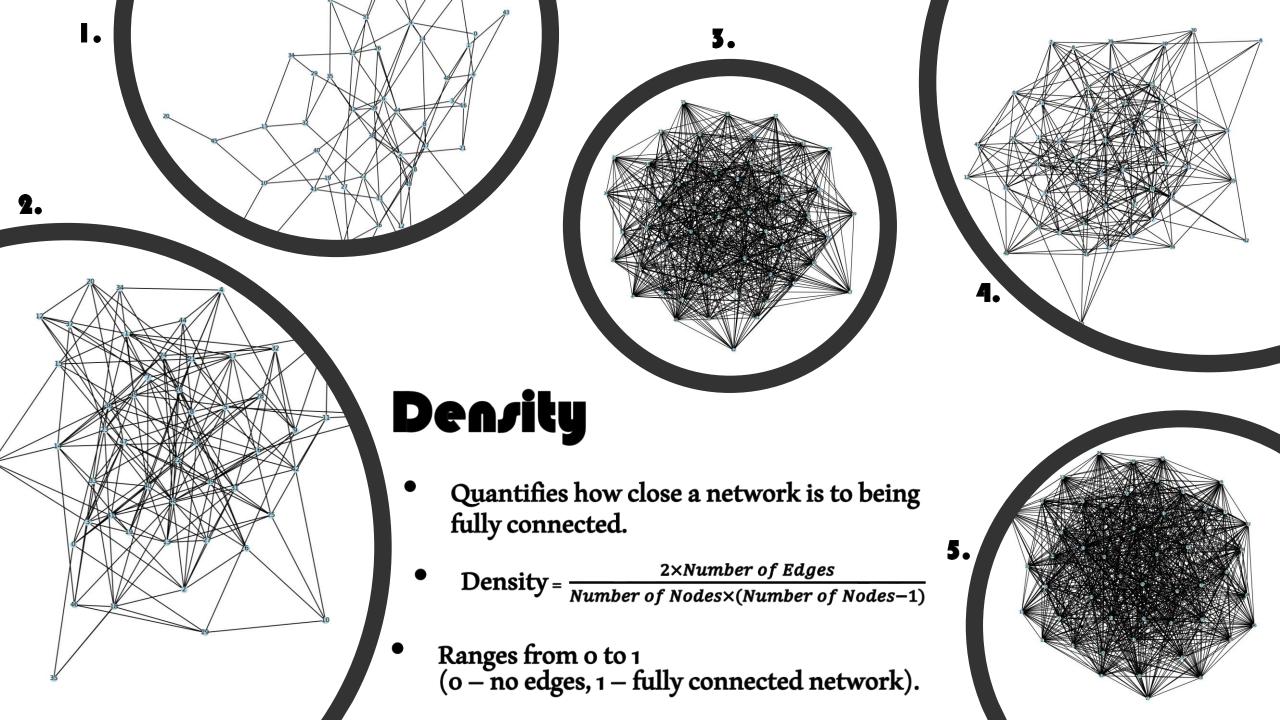
Session 2

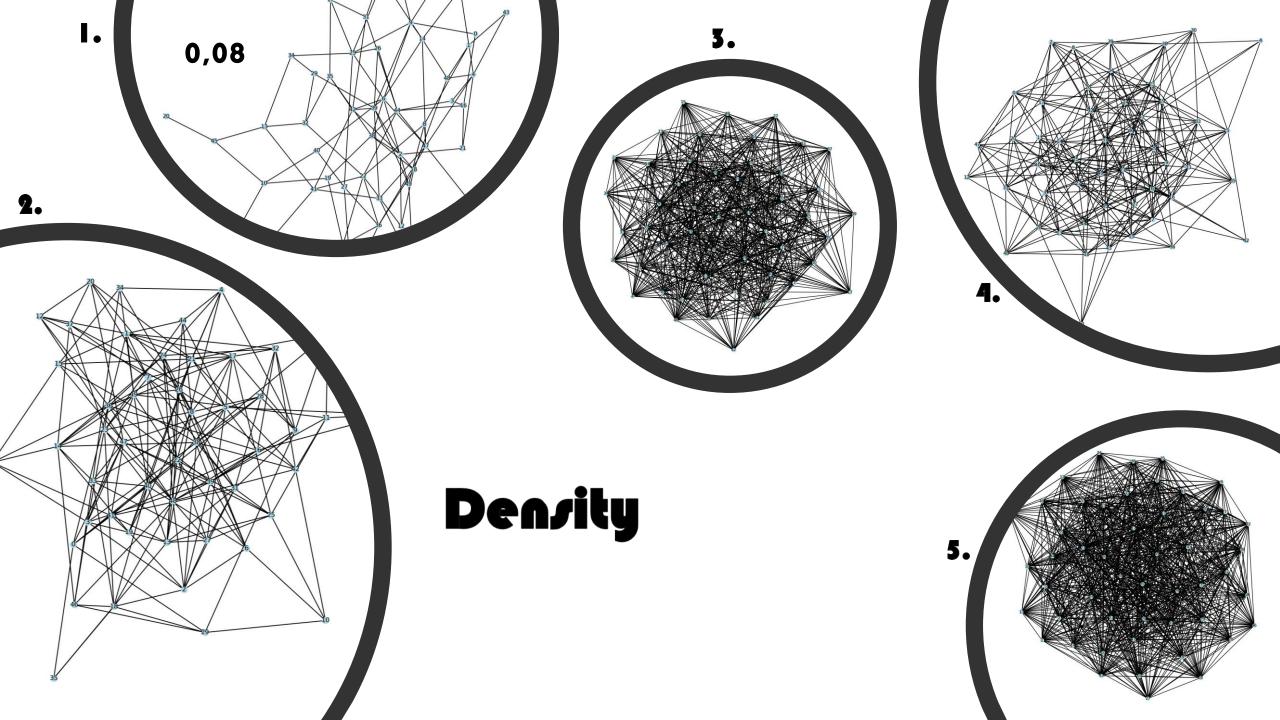
- 1. Brief repetition
- 2. Text discussion
- 3. Article presentation: Causal Inference in SNA
- 4. Next session

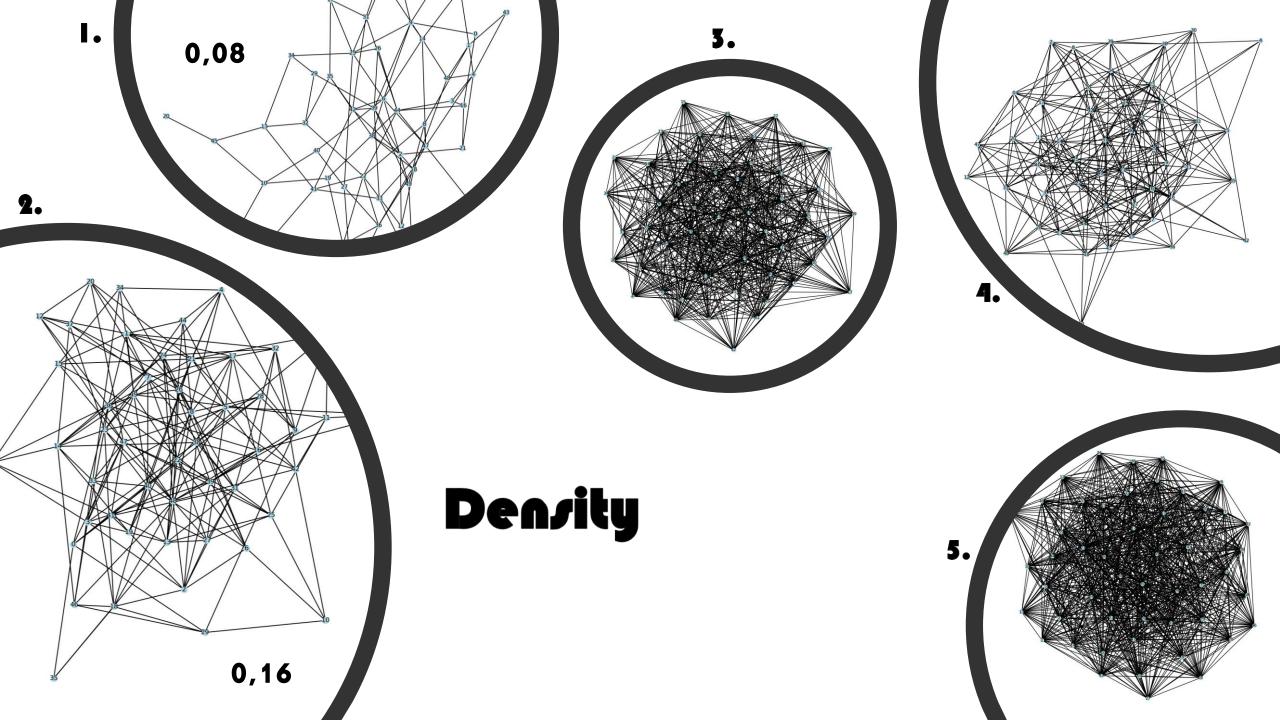


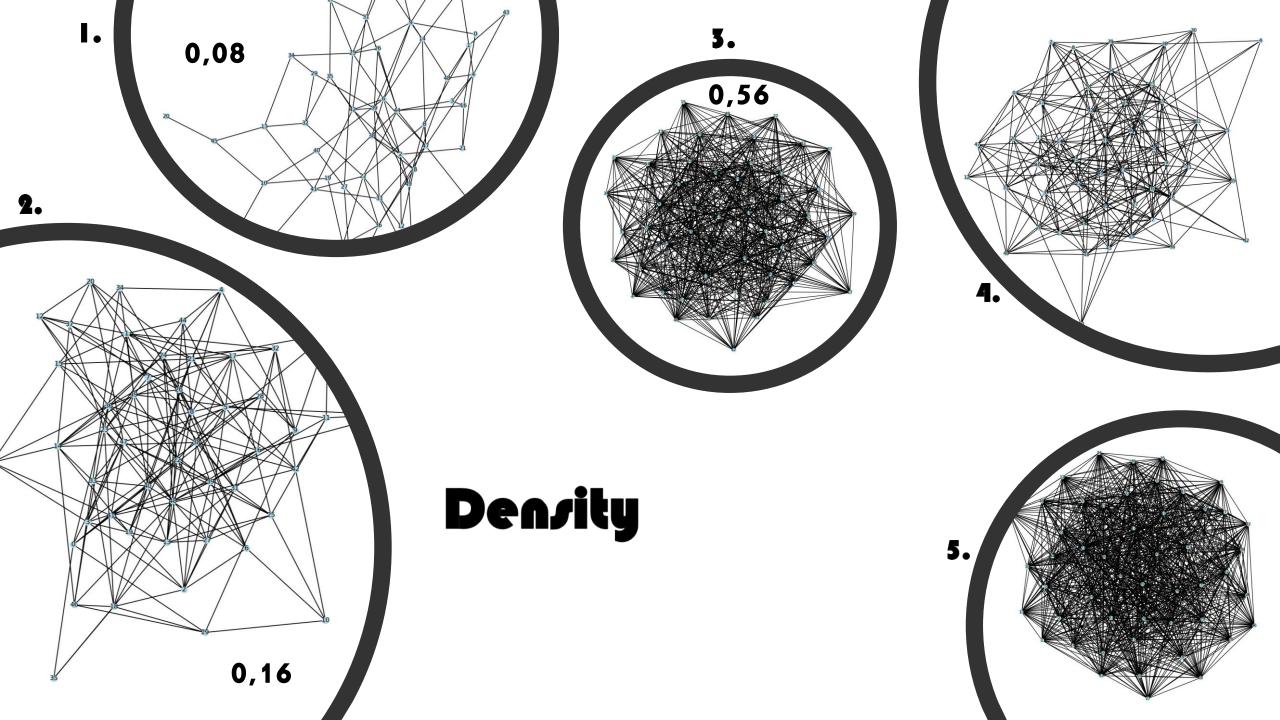
Guess the metric

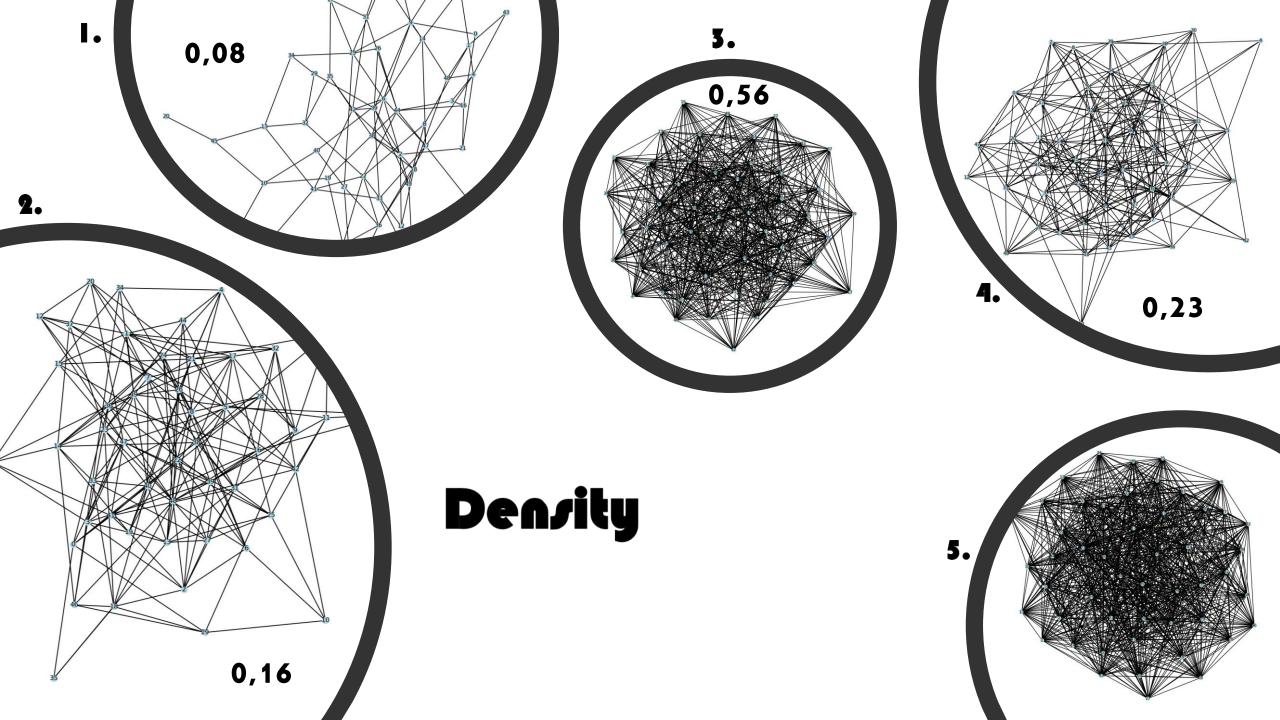


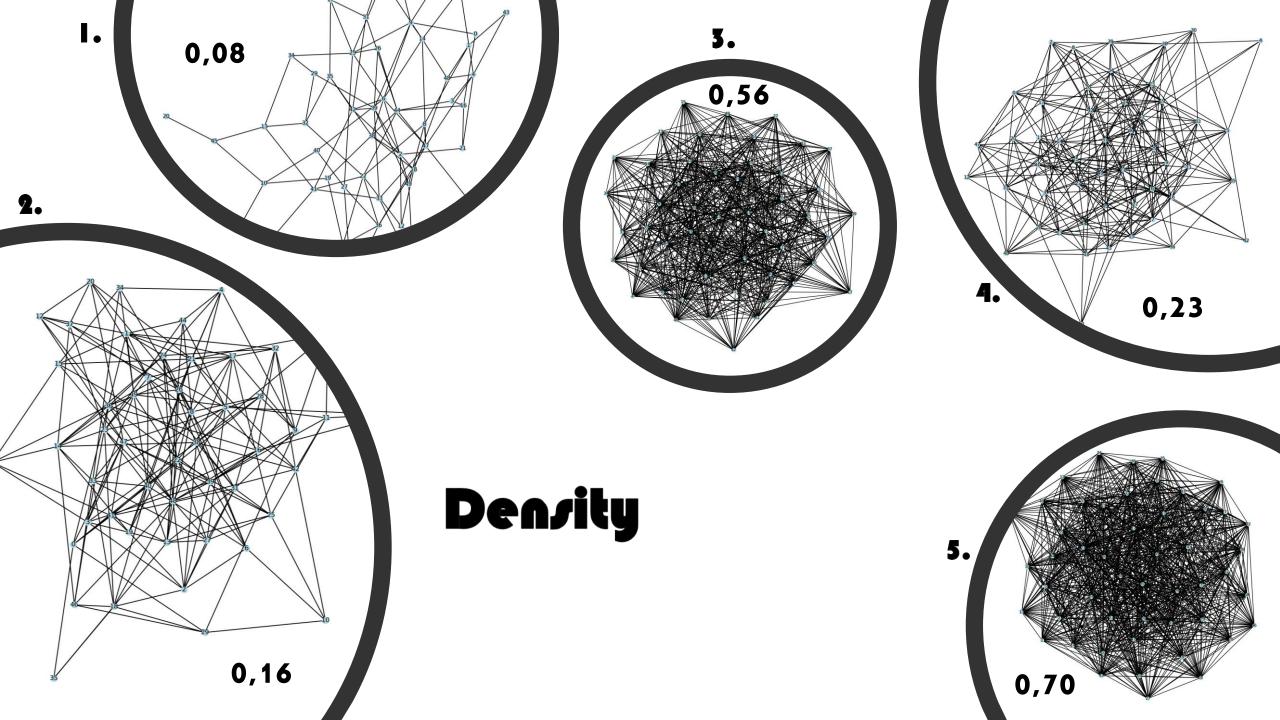


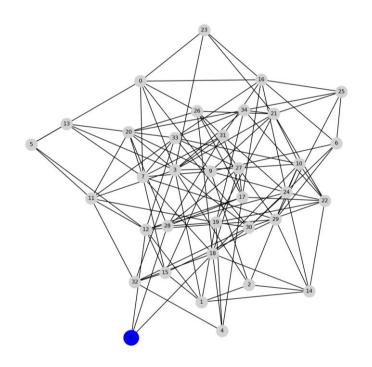


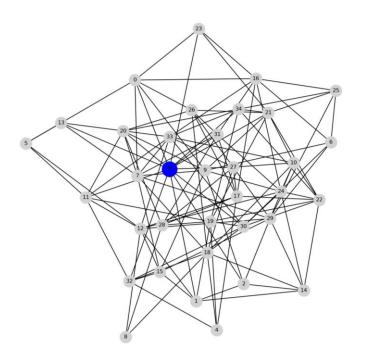


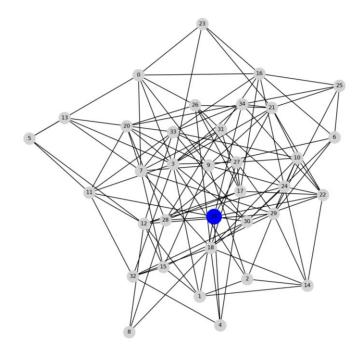




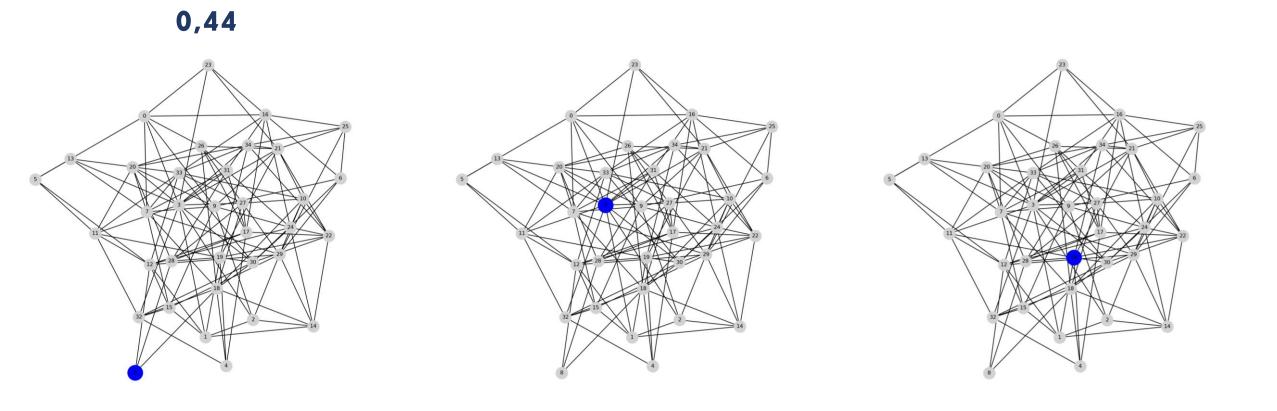


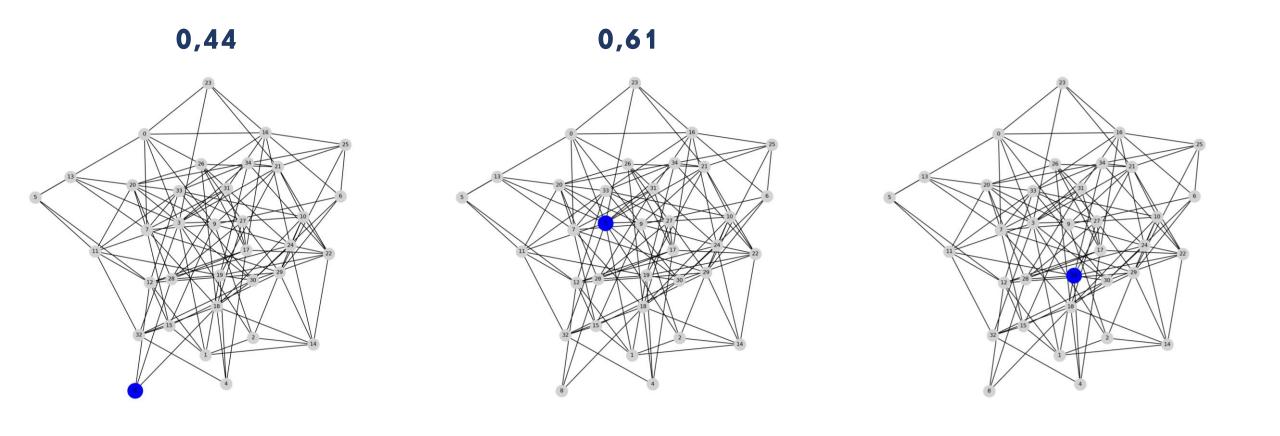


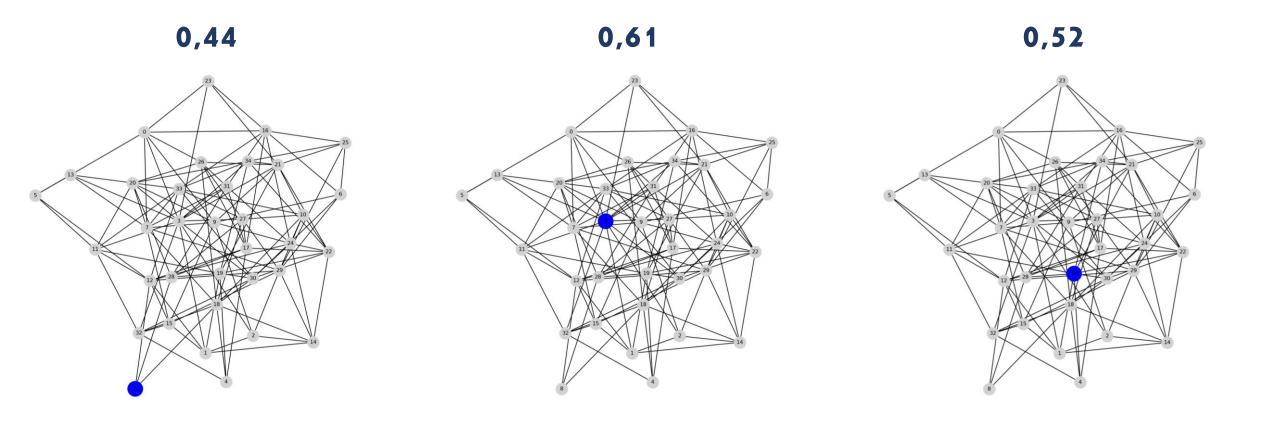




- Identifies nodes that can reach other nodes efficiently within the network.
- Quantifies how close a node is to all other nodes in the network.
- Ranges from 0 to 1 (the node is on average farther away from / closer to all other nodes in the network).









Well done!

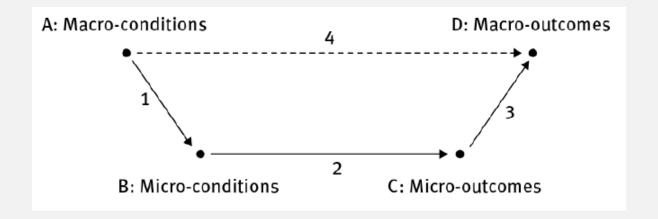


Reading for today

Fuhse, J. A. (2020). Theories of social networks. The Oxford Handbook of Social Networks, 34-49.

Coleman boat

Macro-level



Micro-level

Coleman boat

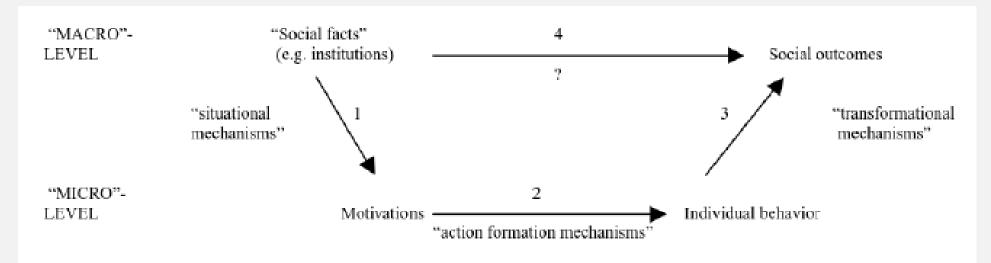


Figure 1. "Boudon-Coleman diagram."

(After Coleman [1986a, 1986b] and Hedström and Swedberg [1998]).

Questions?

Final task:

Create the best network structure for the given scenario.

- 1. Scenario 1: A company wants to implement a new filing protocol for its workers. The employees are reluctant to use the new system. How to best implement this innovation?
- 2. <u>Scenario 2</u>: There is a tool-sharing program within a neighborhood. How to make it effective?
- 3. <u>Scenario 3</u>: A venture capital firm is looking for new start-ups to invest into that will be 'a real deal'. What can help them in doing it?
- 4. <u>Scenario 4</u>: There is a highly multidisciplinary research team that is working on a project. The scientists have very different backgrounds and expertise. How to enhance this collaboration?

Next session: Social Capital and Networks

Mandatory reading:

Burt, R. S. (2017). Structural holes versus network closure as social capital. Social capital, 31-56.

Article presentation:

*Pichler, F., & Wallace, C. (2009). Social capital and social class in Europe: The role of social networks in social stratification. European Sociological Review, 25(3), 319-332.

See you next week!