

COURSE DETAIL

SOCIAL NETWORK ANALYSIS

Country

United Kingdom - England

Host Institution

London School of Economics

Program(s)

London School of Economics

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

145

UCEAP Course Suffix**UCEAP Official Title**

SOCIAL NETWORK ANALYSIS

UCEAP Transcript Title

SOC NETWORK ANALYS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course focuses on data about connections, forming structures known as networks. Networks and network data describe an increasingly vast part of the modern world, through connections on social media, communications, financial transactions, and other ties. This course covers the fundamentals of network structures, network data structures, and the analysis and presentation of network data. Students work directly with network data, and structure and analyze these data using the R statistical programming language. This course develops the theory and methodological tools needed to model and predict social networks and use them in social sciences as diverse as sociology, political science, economics, health, psychology, history, or business. The core of the course comprises the essential tools of network analysis, from centrality, homophily, and community detection, to random graphs, network formation, and information flow.

Language(s) of Instruction

English

Host Institution Course Number

MY361

Host Institution Course Title

SOCIAL NETWORK ANALYSIS

Host Institution Course Details

https://www.lse.ac.uk/resources/calendar2025-2026/courseGuides/MY/2025_MY361.htm

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Methodology

Course Last Reviewed

2025-2026

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