COURSE DETAIL

INTRODUCTION TO COMPUTATIONAL SOCIAL SCIENCE
Country Sweden
Host Institution Uppsala University
Program(s) Uppsala University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Sociology Political Science Computer Science
UCEAP Course Number 108
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO COMPUTATIONAL SOCIAL SCIENCE
UCEAP Transcript Title INTRO COMP SOCI SCI
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The course introduces computational approaches to model human behavior and social phenomena. Core concepts in computational social science are covered, such as observational studies (what types of data exist, possible biases, and how to use data for modeling), basic concepts and techniques for running experiments (asking vs. observing, natural experiments, simulations, validity, and generalization) and discuss key issues such as ethical considerations. The course has both a theoretical and a practical perspective, where you learn basic principles and also how to apply them in practice in three main areas: social network analysis; text analysis; agent-based modeling, and simulation.

Language(s) of Instruction
English

Host Institution Course Number
1DL007

Host Institution Course Title
INTRODUCTION TO COMPUTATIONAL SOCIAL SCIENCE

Host Institution Course Details
https://www.uu.se/en/admissions/freestanding-courses/course/?kKod=1DL007&typ=1

Host Institution Campus
Uppsala University

Host Institution Faculty

Host Institution Degree

Host Institution Department
Department of Information Technology

Course Last Reviewed
2022-2023

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