

Network for Statistical and Causal Inference (NESCI)

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MOTIVATION The Network for Statistical and Causal Inference (NESCI) aims to consolidate and foster the interactions between IMT Lucca on the one hand, and Sant'Anna, SNS, and Unipi on the other.

MISSION NESCI promotes the development of methods for statistical and causal inference across the sciences – with special focus on experimental and machine learning methods. The chosen theme is intended to be broad and relevant enough as to attract economists, psychologists, neuroscientists, data scientists, and philosophers from the target institutions. A (non-exhaustive) list of topics of interest to NESCI is:

Macroeconomics: VAR; quasi-experimental methods; graphical models; model validation

Microeconomics: experimental design; nudging and policy

Psychology: determinants of mental processes; mental categories; biases

Neuroscience: network mapping of the brain; inference to mental activities from data

Data Science: application and development of tools for statistical and causal inference

Philosophy of Science: reconstruction of scientific reasoning; analysis of scientific concepts

SPONSORS NESCI is sponsored by the Dept. of Excellence for Law, Economics, and Management in the Era of Data Science (L'EMbeDS).

EVENTS NESCI organizes one or two one-day workshops per year. The location alternates between Pisa and Lucca. All events may be accessed remotely, too.

OUTER REACH NESCI welcomes the participation of, and interaction with, researchers from other institutions, too, whether in presence or remotely. If you are interested, please get in touch with us.

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