

Economics and  
Complexity

## CREATING CAUSAL MODELS

Creating a causal model is an iterative process that includes the model as well as the descriptive framework



ON LINE COURSE

# Schedule of the course

Duration: two hours

On line course

Price: 100 euros

Wednesday	October 23,	18:00 - 20:00
Saturday	October 26,	10:00 - 12:00
Wednesday	November 20	18:00 - 20:00
Saturday	November 23,	10:00 - 12:00
Wednesday	December 18,	18:00 - 20:00
Saturday	December 21,	10:00 - 12:00

# A PRACTICAL COURSE

Creating causal models is an intrinsically iterative process that includes models and the descriptive framework. Models need to be integrated with management know how.

After an introduction to causal models and to discovery algorithms, this course discusses how to create causal models in practice. We take participants through the process of creation of a causal model from data.

We use the software TETRAD developed at Carnegie Mellon University. TETRAD is a free software.

Participants can download and install their own copy of TETRAD and follow the process of model creation directly on their own computer.

# CREATING CAUSAL MODELS

Discovering causal models is a new machine learning technology. In the last three decades scientists and philosophers have developed algorithms for learning causal structures from data.

Managers and investors can now acquire a quantitative view, based on data, of how their decisions will impact their business.

The optimal deployment of causal discovery algorithms requires an understanding of the working of causation and of causal models. In particular, it requires an understanding of the role of data. Creating causal models is an iterative process where data and models are intertwined.