



PerixAnalytic

ADVANCED PROGRAMS IN

**FINANCE • ECONOMICS • DATA • AI •
DECISION-MAKING**

Where Questions Cross Disciplines:

PerixAnalytic explores questions that cross disciplinary boundaries. The objective is not simply to acquire another technique. It is to understand why the technique exists, what it can reveal, where its assumptions begin to matter, and where its explanatory power ends.



Course 11

CORRELATION IS NOT THE ANSWER

Causal Inference, Identification & the Search for Mechanisms

Two variables move together. What does that tell us? Perhaps one causes the other. Perhaps the direction runs the other way. Perhaps another variable affects both. Or perhaps the observed relationship is a feature of the data rather than the underlying system. This course examines how empirical research attempts to move from association toward causal explanation.

Perspectives

- Causal Inference
- Econometrics
- Research Design
- Regression
- Endogeneity
- Identification
- Experimental & Observational Evidence

Research Laboratory

Participants distinguish between:

What happened

- **What is associated**
- **What is identified**
- **What is plausibly causal**

The course introduces the logic of counterfactual reasoning and examines how research design determines what can legitimately be inferred.



Central Question

What would have happened if the cause had been different?



Format: Research & Inference Course

Level: Advanced

Audience: Researchers, economists, analysts, graduate students, policy professionals