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 02

WHAT DOES THE DATA ACTUALLY KNOW?

Econometrics, Evidence & the Limits of Empirical Inference

Data provides evidence, but evidence is not automatically explanation. A relationship observed in a dataset may reflect causation, reverse causality, omitted variables, selection, measurement error, or coincidence. This course examines how researchers move from observation toward defensible inference.

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Perspectives

- Statistics
- Econometrics
- Causal Inference
- Economic Theory
- Research Design
- Identification

Research Laboratory

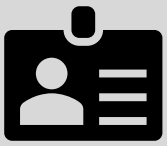
Participants follow the analytical sequence:

Question → Hypothesis → Data → Model → Identification → Evidence → Interpretation

Regression becomes more than a computational procedure. It becomes a way of making assumptions visible. Participants examine correlation, causation, endogeneity, identification, panel data, time-series data, statistical uncertainty, and research limitations.

Central Question

What does the evidence allow us to say—and what does it not allow us to say?



Format: Research Course
Level: Intermediate / Advanced
Audience: Researchers, economists, analysts, graduate students, policy and business professionals

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