



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 03

SIGNAL OR NOISE?

Finding Structure in Financial & Economic Data

Data is not synonymous with evidence. Before information can support a conclusion, it must be organized, examined, transformed, and interpreted. Modern computational systems can uncover enormous numbers of relationships. The analytical challenge is deciding which relationships contain genuine structure.

Perspectives

- Statistical Analysis
- Data Analytics
- Machine Learning
- Financial Data
- Exploratory Research
- Computational Analysis

Computational Laboratory

Raw Data → Exploration → Structure → Signal → Model → Validation → Interpretation

Participants investigate data quality, distributions, anomalies, visualization, feature engineering, predictive modeling, overfitting, cross-validation, and model evaluation. The emphasis is not on building the most sophisticated algorithm. It is on determining whether the information survives analytical scrutiny.



Central Question

When a model finds a pattern, how do we know the pattern is real?



Format: Computational Course

Level: Intermediate

Audience: Analysts, researchers, finance professionals, economists, data practitioners