

# Applied Econometrics and Policy Analysis: Data-Driven Decisions

Special Workshops  
Los Angeles (USA)  
25 - 29 Aug 2025

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## Applied Econometrics and Policy Analysis: Data-Driven Decisions

**Ref:** 321779\_146564 **Date:** 25 - 29 Aug 2025 **Location:** Los Angeles (USA) **Fees:** 5700 Euro

### Course Description

This intensive 5-day course equips participants with advanced econometric techniques for policy analysis and evaluation. Participants will learn to apply rigorous quantitative methods to assess policy impacts, analyze interventions, and make data-driven recommendations. The course combines theoretical foundations with hands-on practice using real-world policy examples.

### Learning Objectives

- Master key econometric methods for causal inference and policy evaluation
- Develop skills to design and conduct rigorous impact assessments
- Learn to interpret and critically evaluate empirical policy research
- Gain proficiency in using statistical software for applied policy analysis
- Understand how to translate econometric findings into actionable policy insights

### Course Modules

#### Day 1: Foundations of Econometrics for Policy Analysis

- Introduction to causal inference in policy contexts
- Review of regression analysis and hypothesis testing
- Endogeneity and omitted variable bias
- Instrumental variables estimation

#### Day 2: Quasi-Experimental Methods

- Difference-in-differences estimation
- Regression discontinuity designs
- Matching and propensity score methods
- Synthetic control methods

#### Day 3: Panel Data and Fixed Effects Models

- Introduction to panel data analysis
- Fixed effects and random effects models
- Dynamic panel models
- Clustered and robust standard errors

#### Day 4: Advanced Topics in Policy Evaluation

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

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- Randomized controlled trials in policy settings
- Heterogeneous treatment effects
- Machine learning methods for policy analysis
- Bayesian approaches to causal inference

## **Day 5: Synthesizing Evidence for Policy Recommendations**

- Meta-analysis and systematic reviews
- Cost-benefit and cost-effectiveness analysis
- Communicating econometric results to policymakers
- Ethics in policy evaluation research

## **Practical Wins for Participants**

- Ability to design and implement rigorous policy evaluations
- Proficiency in using statistical software for applied econometrics
- Skills to critically assess and synthesize empirical policy research
- Capacity to translate complex econometric findings into clear policy recommendations

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. In the background, there are concentric circles emanating from a point on the board.

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