

Applied Econometrics and Policy Analysis: Data-Driven Decisions

Special Workshops
Accra (Ghana)
25 - 29 Aug 2025

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Applied Econometrics and Policy Analysis: Data-Driven Decisions

Ref: 321779_146571 **Date:** 25 - 29 Aug 2025 **Location:** Accra (Ghana) **Fees:** 3300 **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

The logo for UK Training Partner, featuring the text 'UK Training' in a smaller font above the word 'PARTNER' in a large, bold, sans-serif font. The background of the logo is a stylized chessboard with several chess pieces (a king, a queen, and a pawn) in gold and silver.

- 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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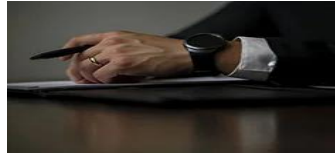
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