

Advanced Stata

Lisbon, September 26-28, 2017 3 days Course

Miguel Portela (DEE - BPLIM)

Training schedule

10:00 - 13:00 13:00 - 14:00 - Lunch 14:00 - 17:00

Training Program

DAY 1 | Regression analysis & causality (Miguel Portela)

- From Stata to LaTex, Word and Excel: efficient procedures to export descriptive statistics, graphs and regression tables
- Econometric concepts: Regression analysis OLS & GLS
- Basic issues in program evaluation; Causality and the problem of selection bias
- Regression and causality
- Instrumental variables (two stage least squares (2SLS); weak instruments; overidentification tests)
- Longitudinal data: Differences-in-differences (DD)

DAY 2 | Panel data (Miguel Portela)

- Panel data regression: dealing with endogeneity issues
- Data structure & formulation of the model
- Fixed and Random Effects in Static Models
- Hausman test for the validity of the random effects model
- Hypothesis testing, Test for the presence of fixed effects, Wald tests, testing multiple hypothesis
- Heteroscedasticity, Autocorrelation, Robust Estimation

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DAY 3 | Advanced Topics in Panel data (Miguel Portela)

- Dynamic Panel Data: endogeneity & GMM First-differences & the System GMM estimator
- Models with High Dimensional Fixed Effects

