



▶ CONTINUING PROFESSIONAL EDUCATION ON DATA ANALYTICS AND SPATIAL ECONOMETRICS

MAY 9-12, 2019

DE LA SALLE UNIVERSITY LAGUNA CAMPUS

DESCRIPTION

This is a 4-day introductory training course on spatial data analysis using spatial econometrics, covering data mapping and spatial econometric modelling. Following each lecture, there will be laboratory sessions on the application of the models using R, Stata, and GeoData software. After the training, the participants are expected to acquire knowledge and skills to conduct analysis of spatial data using R, Stata, and GeoData. This course is co-sponsored by the Regional Science Association International under its Nurturing Talent Programme, endorsed by the Philippine Economic Society.

COURSE OUTLINE

DAY 1 - MAY 9, 2019 INTRODUCTION TO SPATIAL STATISTICS AND SPATIAL INTERDEPENDENCE

- Overview on the uses of spatial econometric models in economics and social sciences
- Causal models of interdependent outcomes
- Strategies for determining appropriate patterns of interconnectedness, geographic patterns of interdependence, and other means of identifying how neighboring units are socially, politically and economically interdependent

DAY 2 - MAY 10, 2019 SPECIFICATION OF THE SPATIAL INTERDEPENDENCE

- Introduction of series of tests that will detect different patterns of spatial interdependence.
- Connection of causal relationships on one's theory to some basic econometric models including the spatial lag, spatial error and spatial-X models

DAY 3 - MAY 11, 2019 ESTIMATING SPATIAL ECONOMETRIC MODELS

- Issues of model specification that are unique to these models
- Variety of techniques used to estimate spatial econometric models including OLS, MLE and two-stage least squares

DAY 4 - MAY 12, 2019 VISUALIZING AND DEPICTING SPATIAL INTERDEPENDENCE

- Calculation and visual depictions of substantive effects from a variety of spatial econometric models
- Graphical and tabular techniques to provide meaningful quantities of interest from these models

TARGET PARTICIPANTS

This course calls for young researchers, graduate students (M.S. and Ph.D) and faculty who are strongly committed to the use of statistical methods applied to spatial data.

- Have at least completed 24 units from graduate school (Masters in Economics, Development Economics or other relevant social science field, with research or program management experience.)
- Basic knowledge in Stata or R; algebra operations; multiple regression analysis
- Introductory level awareness of statistical inference principles

APPLICATION AND FEES

REGISTER AND APPLY

SUBMIT C.V. in pdf format to Rico Antonio T. Abundo at rico.antonio.abundo@dlsu.edu.ph on or before April 30, 2019 and REGISTER at this link: <https://goo.gl/forms/COh8H9CjhrOnB9012>

PAYMENT

EARLY bird rate: USD550 (PHP28,600 at USD1=Php52) until 30 Mar 2019
REGULAR rate: USD650 (PHP33,800 at USD1=Php52)

FEE COVERAGE

Fee is INCLUSIVE of 3 meals per training day, tuition, training materials, dormitory, airport pick up and drop off services in Manila. It is EXCLUSIVE of personal expenses, hotel accommodation, airfare and travel insurance.

INQUIRY/IES

Please e-mail and contact Rico Antonio Abundo at rico.antonio.abundo@dlsu.edu.ph or Maria Fe Carmen Dabbay at maria.fe.dabbay@dlsu.edu.ph.