



SCHOOL OF BUSINESS PROFESSIONAL DEVELOPMENT SERIES

Advanced Data Analysis with Stata Workshop

DATE: 26 - 27 JUNE 2023

TIME: 10:00 - 16:00

ROOM: PC-01.6.66

RSVP

COB Monday 19 June 2023

CONTACT

business.research@westernsydney.edu.au

ABOUT THIS WORKSHOP:

The workshop aims to provide an in-depth understanding of different types of data analysis techniques, focusing on correlation analysis, ordinary least square estimation with diagnostics, spurious regression, stationary vs non-stationary time series, co-integration, vector error correction model (VECM), and fixed effect vs random effect for panel data using Stata.

On the first day, the workshop will cover the basics of data analysis, including the different types of data analysis, correlation analysis, and ordinary least square estimation with diagnostics. The participants will learn about the statistical tools and techniques used in data analysis and how to apply them to real-world data sets.

On the second day, the focus will be on time series and panel data analysis. Participants will learn about spurious regression, stationary vs non-stationary time series, co-integration, and vector error correction models (VECM) for time series and panel data. Additionally, they will be introduced to the concept of fixed effect vs random effect for panel data, which is a critical aspect of panel data analysis.

PRESENTER:

A/Prof. Girijasankar Mallik



Girija obtained a B. Sc. (Honours in Statistics), M. Sc. (Statistics) and Ph. D. in Applied Econometrics from India and working in the Western Sydney University, Australia since 1994. Girija has received two outstanding teaching awards from the Western Sydney University, Australia. He has published over 95 articles, including 62 referred journal articles (including A* and A level journals) and presented his research papers in prestigious conferences including American Economic Association. Girija has also delivered over 26 keynote/invited speeches in prestigious conferences and presented research papers over 32 countries. So far more than 14 students completed PhD under his supervision. His honours students have published in A* and A level journal. Girija has published in the areas of education, medicine, applied econometrics, economics, finance and currently working in the areas of accounting and social science. His papers have been cited over 1876 times on Google Scholar with 17 h-index and 28 i10-index. Many reputed newspapers around the world including Business Review Weekly, Sydney Morning Herald, The Australian etc. showed interest in his research and published the summary of his articles.

PROGRAM SCHEDULE

26 June 2023, Monday

10:00 to 16:00 (lunch break 12:30 to 13:30)

Topics:

- I. Types of data analysis
- II. Correlation analysis
- III. Ordinary Least Square estimation with diagnostics

27 June 2023, Tuesday

10:00 to 16:00 (lunch break 12:30 to 13:30)

Topics:

- I. Introduction to spurious regression
- II. Stationary vs non-stationary
- III. Co-integration & VECM for time series and panel data
- IV. Fixed effect vs random effect for panel data

Note:

- Data and notes will be provided to all registered participants via email.