



Strathmore Business School

## Financial Econometrics Executive Program

Executive Education

### Overview

Technological innovation and economic globalisation have brought us into a new era of integrated financial markets. With financial econometrics being one of the fastest growing branches of economics, sophisticated financial models are required for implementation.

Over the past years a large number of new financial products have been created to meet customer demands with the application of statistical techniques to problems in finance. Financial markets are also often unstable and a few tools are required to model that volatility. The Financial Econometrics Executive Program is the first ever course in the region that aims at providing participants with an understanding of the key tools for conducting empirical analysis in finance using EViews Econometrics Software.

The EViews software provides simple and interactive data analysis, regression, time series and forecasting tools on Windows based computers. Participants will get hands-on experience with real world data and improve their ability to carry out empirical modeling in finance.

### Program Objectives

- To understand the properties of financial time series data
- Estimate and forecast key financial econometrics models
- To get hands-on experience of analysing real world financial data using E-views
- To improve ability to conduct empirical research in finance.

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## Who should attend?

The course aims at both academics and practitioners who use econometric techniques in their data analysis. The target group includes postgraduate students at both master's and doctoral level. It is also aimed at individuals in central banks, ministries of finance, research institutions, capital markets, banking, risk management, investment management companies and non-governmental organisations who use financial econometric analysis.

## Prerequisite

The course assumes that participants have already undertaken a course in statistics including inferential statistics (estimation and hypothesis testing) and also incorporating elements of calculus and linear algebra.

## What will you learn?

Some of the topics to be covered include an introduction to EViews, the classical linear regression model and diagnostics, maximum likelihood estimation, univariate time series estimation and forecasting, multivariate time series analysis and forecasting, modelling long run relationships in finance, volatility modelling and forecasting, qualitative dependent variable models and an introduction to panel data modelling.

**To be provided:** Course Material, Meals, EViews Student Version 6.0 and Core textbook on Financial econometrics based on EViews. The number of participants is restricted.

## Faculty

The course will be taught by highly qualified faculty from Strathmore Business School with vast experience in econometric analysis and modelling. They have published widely in economics and finance and both hold postgraduate qualifications in financial econometrics.

## Contact Us

Write to Lucy Kairu on [Lnkairu@strathmore.edu](mailto:Lnkairu@strathmore.edu)  
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## Program Leader



Dr. Robert Mudida is a Senior lecturer at Strathmore Business School and has considerable lecturing experience in the areas of economics, financial management, international finance, negotiation skills and general management.

He holds a doctorate from the University of Nairobi. He also possesses an MSc in Financial Economics from the University of London, School of Oriental and African Studies and an MA in international studies from the University of Nairobi. He has also attended courses at the London School of Economics and at IESE Business School in Spain.

He has considerable practical experience in international business having worked for several international organisations including having been the head of the commercial section of the Embassy of Chile in Kenya and an administrative officer with the Embassy of Spain in Nairobi for several years. He also has experience in multilateral negotiations. Dr. Mudida has published widely in his areas of research interest which include international economics, financial economics, institutional economics, the philosophy of economics, the economics of development and the economics of conflict. His recent research has focused on the application of financial econometrics to time series data in Kenya.

Dr. Mudida is a member of the Royal Economic Society of the UK and the Society for Financial Econometrics of the US.



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