

# Goals and Objectives of the Course

The overall goal of the training programme is to increase skills, expertise and knowledge for the appreciation, use and applications of econometrics methodologies/techniques for policy analysis – formulation, implementation and forecasting.

At the end of the training course, participants would:

1. Understand the main techniques of econometrics, including their strengths and limitations;
2. Learn how to use data to test economic models and quantify parameters of interest;
3. Have practical experience of the application of econometric methods and be able to use Eviews, SPSS and STATA to work with data to estimate models; and

4. Be able to apply the econometrics techniques to test economic theories and measure relevant economic parameters and factors for economic policy and other decisions.

African Heritage Institution

54 Niza Street, Independence Layout Enugu

# Executive Course on Econometrics Methods for Policy Analysis

17<sup>th</sup> – 28<sup>th</sup> October, 2016



African Heritage Institution

## Introduction

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Econometrics analysis is a core tool for understanding social and economic phenomena. Without adequate understanding of social and economic phenomena, academics, public policymakers, NGO officers and private sector managers cannot make good quality decisions. The need for governments to meet the pressures for greater public accountability and good governance underscores the relevance and usefulness of evidence-based public policies. Non-governmental organizations involved in public policy advocacy require sound analytical bases for canvassing positions regarding social and economic policies. In the same vein, the economic circumstances of growing market competition reflect the imperative of well-informed decision-making by private sector managers.

Therefore, it is important that policymakers, corporate managers, NGO officers as well as researchers have the relevant skills and tools for multivariate analysis of social and economic phenomena. This course is an element of an ongoing capacity enhancement program aimed at improving knowledge, competencies and skills in econometrics methods for policy analysis among the academia, government officials, NGOs officers, company managers, policy analysts, and researchers. The training course is designed to upgrade and enhance the participant's analytical skills in econometric theory, analysis and forecasting.

The course will lay greater emphasis on application of techniques for policy analysis as it aims to provide participants with the ability to use econometric software in an effective manner. Participants will be introduced to basic and some advanced research methods and use of econometric software such as the Eviews, Stata and SPSS for data analysis and forecasting.

## Course Outline

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- Overview: nature and methodology of econometric modeling, and forecasting
- Univariate time series modeling and forecasting
- Estimation of ARIMA/ARMA models for forecasting
- Multivariate models
- Modeling long-run and short-run relationships
- Modeling and forecasting volatility
- Cross-section and survey methodology
- Introduction to panel data econometrics

## Course Methodology

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The course methodology will cover both theoretical (lectures) and hands-on component (practical). The hands-on component -- practical demonstrations and exercises -- will improve greatly the interactive nature and comprehensibility of the course. It would require every participant to come with a computer (laptop).

## Space Limitations

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In order to make the course very effective for participants, the number of spaces will be limited to a manageable size. Hence, admission will be on first-apply first-admit basis.

## Venue

The training shall be held at:  
African Heritage Institution Training Centre  
54 Nza Street, Independence Layout  
Enugu, Enugu State Nigeria

## Participant's Qualification

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Every participant must have at least a Bachelor's Degree in Economics or any of the Social and Management Sciences. An advanced degree is an advantage. Participants are expected to come with their laptop.

## Course Registration Fee

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There are no course registration and accommodation fees for 2016. (However, please do note that the registration fee for 2017 would be 750,000 naira.)

## Contact Us

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