



## **ECONOMICS AND APPLICATIONS WORKSHOP**



**GLOBAL  
INSIGHT**



## ▶ **ECONOMICS AND APPLICATIONS WORKSHOP**

The workshop focuses on macroeconomic theory and the application of economic principles to explain and analyse the South African economy. Topics covered will include research methodology, data manipulation, statistical techniques, basic economic model building, and effective report writing. Participants will gain confidence in the application of economic theory in analysing the South African economy on a national and sub-national level.

For subscribers to IHS Global Insight's Regional eXplorer (ReX), the workshop will strengthen the theoretical knowledge and practical applications of the variables and data contained within the program. IHS Global Insight's ReX is a consolidated platform of integrated databases that provides accurate and up-to-date economic, socioeconomic, demographic, and development information on a spatial level for South Africa.

The workshop is presented by an associate professor at a leading South African university who has more than 30 years of experience as a lecturer in the various fields of economics, including microeconomics, macroeconomics, monetary economics, development economics, public sector economics, and international economics. His involvement in consulting and training projects for government and private institutions enables him to demonstrate the link between the theory of economics and the application thereof in the workplace and in practice.

### **Who Should Attend This Course?**

This course will be of value to individuals who perform national and sub-national demographic, economic, and socioeconomic research. It will benefit organisations and individuals that need to understand the current market fundamentals of a region. Users may include:

- IDP and LED managers
- Provincial and local government officials and analysts
- Development economists
- Investment researchers
- Town and regional planners
- Market researchers

### **Course Outcome**

Participants who have completed the workshop will feel comfortable undertaking economic and socioeconomic analysis and compile sub-national profiles both at a basic and advanced level.

Upon completion of the workshop, participants will be able to:

- Understand and interpret demographic, economic, and socioeconomic variables
- Calculate demographic, economic, and socioeconomic variables
- Compile national and sub-national economic and development profiles
- Identify the underlying relationship between economic variables
- Understand research methodology
- Extract and manipulate data
- Build a basic economic model
- Apply statistical techniques in Excel
- Write effective reports

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## ReX Topics Covered

ReX users may select a unique training package from the different modules covered in the product. Within each module, attention is given to the theory, method of calculation, and interpretation of the variables

Modules covered in ReX:

### General Economic Overview

#### 1. DEMOGRAPHIC

- Population by gender, age, and race
- Population growth rate
- Number of households by race
- Number of people by first language

#### 2. DEVELOPMENT

- Human development index (HDI) by race
- Gini coefficient by race
- Number of people in poverty by race (R / month, \$1 and \$2 / day)
- Highest level of education
- Functional literacy by race
- Population density by race
- Urbanisation by race

#### 3. LABOUR MODULE

- Economically active population by race and gender
- Number of unemployed people by race and gender
- Unemployment rate by race and gender
- Formal employment by 34 detailed SIC sectors
- Informal employment by 6 broad SIC sectors

#### 4. INCOME AND EXPENDITURE

- Households by income category and race
- Personal and disposable income by race
- Per capita and per household income by race
- Expenditure per product type
- Retail sales by retail category
- Index of buying power

#### 5. ECONOMIC

- Gross value added (GVA-R) by 34 detailed SIC sectors (nominal, real, per capita)
- Gross domestic product (GDP-R) (nominal, real, per capita)
- Labour remuneration (nominal)
- Gross operating surplus
- Tress index
- Location quotient

#### 6. INTERNATIONAL TRADE

- Imports and exports
- By trade bloc and economic sector
- By geographic area and economic sector
- By country
- By harmonized system (HS), two-digit

## ▶ COURSE OPTIONS

The course is offered in packages of up to 5, up to 10, or more than 10 participants. A customised workshop may be arranged for clients who require a specialised session.



## ▶ A UNIQUE TRAINING SERVICE

IHS Global Insight's training workshops are uniquely designed to meet your company's needs and demands, helping clients develop skills to increase business efficiency. Our different workshops are aimed at deepening the participants' knowledge of South African and international data sources, spreadsheet applications, modelling techniques, and exercising economics. As a result of these workshops, your business and team competitiveness in the field of economic analysis will vastly increase.

In addition to the Economics and Applications Workshop, we offer:

### **Microsoft® Excel® Workshop for Economists, Analysts, and Business Professionals Workshop**

This workshop is designed for clients with an intermediate-to-advanced knowledge of Excel spreadsheets, with a special focus on graphing and data manipulation. Some of the more advanced topics covered include regression analysis, handling large datasets with pivot tables and filters, and automating graph updates.

### **Economics in Practice Workshop**

This workshop focuses on economic theories and covers topics such as the business cycle, international creditworthiness, economic growth, economic policy, and inflation. Practical applications include the concept of forecasting, the impact of HIV/AIDS, personal finances, and navigation of economic-related topics.

### **Modelling With EViews Workshop**

EViews is an internationally recognised econometric package that is widely popular for advanced econometric analysis. The package provides powerful econometric functions, a very capable database, and an intuitive interface. EViews has powerful capabilities for the analysis of time series, forecasting, and model building. Upon completion of the workshop, participants will feel comfortable undertaking econometric analysis and forecasting, both at a basic and advanced level. The participant will be trained in a wide range of tasks, from importing data and running regressions to full-scale model building and the EViews programming language. The workshop has a practical angle and is tailored to the user's level of competency.

## ▶ CONTACT US!

For more information, please contact the IHS Global Insight South Africa team:

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## THE POWER OF PERSPECTIVE

**ABOUT IHS GLOBAL INSIGHT:** IHS Global Insight ([www.ihsglobalinsight.com](http://www.ihsglobalinsight.com)) provides the most comprehensive economic and financial information available on countries, regions, and industries available from any source. IHS Global Insight's immediate and insightful analysis of market conditions and key events enables innovative and successful decision making for clients around the world. IHS Global Insight employs approximately 700 employees in 13 countries.

### CONTACT US

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