



# Structural Equation Modelling

## Basic Module

- **Overview**

Structural Equation Modelling (Basic) using IBM AMOS/SMART PLS is a course that enables participants to develop, test and improve basic measurement and structural models. Delegates will be introduced to the SEM approach and principles and will gain an understanding of the various techniques to test the model fit indices. This course uses the IBM Amos Base features.

- **Audience**

- Academic researchers and postgrad students
- NGOs involved in research
- Any research company

- **Prerequisites**

- General computer literacy
- Completion of the SPSS courses (basic and intermediate).

- **Course Outline**

- 1. SEM Introduction with Amos/Smart PLS**

- ✓ Introduction to Structural Equation Modelling (SEM):
- ✓ Definitions, types of models, types of variables, types of relationships, some considerations and assumptions.



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- ✓ Working with AMOS/SMART PLS
- ✓ From SPSS to AMOS/SMART PLS
- ✓ Introduction to AMOS/SMART PLS environment.

## **2. Measurement Model (Confirmatory Factor Analysis)**

- ✓ Building a measurement model
- ✓ Testing a measurement model
- ✓ Assessing the model fit
- ✓ Improving a measurement model

## **3. Structural model**

- ✓ Building the structural model
- ✓ Testing a structural model
- ✓ Assessing the model fit
- ✓ Improving a structural model

## **4. Practical session**