



TRAINING COURSE ON MULTIDIMENSIONAL POVERTY MEASUREMENT in collaboration with the OPHI and ISFD

Dakar, Senegal

30 November – 6 December 2015

AGENDA

Purpose

The purpose of this intensive training is to provide a thorough conceptual and technical introduction to some techniques of measuring multidimensional poverty with a strong emphasis on the Alkire Foster method. The empirical motivation for measuring multidimensional poverty will be presented as well as the conceptual motivation, drawing on Amartya Sen's capability approach.

Course Topics

The following topics will be covered:

- Methodologies to analyse multidimensional poverty – dashboard, stochastic dominance, information theory, multiple correspondence analysis, unmet basic needs and counting approaches – and the problems each methodology best solves;
- The Alkire Foster methodology of multidimensional poverty measurement;
- Selection of parameters – purpose, unit of measure, dimensions, indicators, cut-offs and weights;
- Estimation of multidimensional poverty and interpretation of the results;
- Subgroup decomposition and mapping;
- Multidimensional poverty dynamics;
- Institutions, policies, and communication.

Course Facilitators

The training course will be led by the Researchers and Director of OPHI, University of Oxford. OPHI instructors include Sabina Alkire, Paola Ballon, Bouba Housseini, Christian Oldiges, and Yangyang Shen.

Course Format

The training will consist of 7 days of instruction and working group sessions, taught in English. We will provide simultaneous translation into French and Arabic. Each participant needs to bring a laptop with STATA with them to do the problem sets. Participants will be actively involved in discussions and working through problem sets, and will be invited to share their experiences.



Agenda

Monday, 30th November

Time:	Item Description:
09:00 – 10:30	Introduction & Overview of the training course Opening by Senegal/OPHI/IDB-SESRIC Introduction of the participants Introduction to OPHI Supplies & announcements: academics & non academics
10:30 – 11:00	<i>Coffee Break</i>
11:00 – 12:30	Why Multidimensional (MD) Poverty Measures? Brief introduction to the Capability Approach Clarification of the concept of poverty and purpose of any poverty measure Why MD Poverty? Technical, Empirical and Policy arguments Brief introduction of the MPPN and its activities <i>Lunch</i>
13:30 – 15:00	The Alkire Foster method Multidimensional poverty measurement: brief review of methods and practices The AF methodology: Motivation, Multidimensional Data, Identification, Aggregation, Useful Properties, AF Class Measures and General Case
15:00 – 15:30	<i>Coffee Break</i>
15:30 – 17:30	Paper based exercises about Alkire Foster method

Tuesday, 1st December

Time:	Item Description:
09:00 – 10:30	Case Study: the International MPI & Databank What is the Global MPI? 2015 MPI Results with some focus on Africa Five years of Global MPI: achievements and way forward.
10:30 – 11:00	<i>Coffee Break</i>



11:00 – 11:45 Introduction to the Capability Approach

Capabilities in policy documents
Definition: Capability Approach, Functionings, Freedom – opportunity (capability) & process and Agency
Some Implications for Measurement: Indicator selection, Attention to diversity and Attention to agency

11:45 – 12:45 Normative issues (Purpose & Institutions) & Implementation (Dimensions, time, people & Process)

What are “normative” choices?
The Eight Choices for an AF Measure
Case studies of processes of decision making and coordination
Description of the different Steps to set up an AF Measure

Lunch

13:45 – 15:00 Data and Empirical issues

Missing values and sample size reduction
Eligible populations
Regional and cultural diversity
Indicators redundancy and complementarities

15:00 – 15:30 Coffee Break

15:30 – 17:30 Case Studies: National MD Poverty Measures

Introduction to the national poverty measurement
Overview of National poverty measures and policy uses
Focus on these national cases: Columbia MPI, South Africa MPI and Bhutan GNH Index?

Wednesday, 2nd December

Time:	Item Description:
09:00 – 10:30	Working Groups: Normative Issues and presentations
	<ol style="list-style-type: none"> 1. The purpose of the measure 2. The unit of analysis. 3. The possible dimensions, indicators, weight and cutoffs ALONG with normative justification for each



10:30 – 11:00 *Coffee Break*

11:00 – 12:30 STATA Lab

Introduction to Stata

Presentation of relevant dataset, and variables that draw on and relate to the topics

Lunch

13:30 – 15:00 Working Groups: descriptive statistics and exploring the dataset

15:00 – 15:30 Coffee Break

15:30 – 17:30 Working Groups: Creating the Deprivation Matrix

Data Preparation – steps and principles

Stata code and stages required to prepare data

Thursday, 3rd December

Time:	Item Description:
09:00 – 10:30	Aggregated results / national results
	Aggregated results: M0 and its components Stata code for Aggregated results Working Groups: Aggregated results
10:30 – 11:00	<i>Coffee Break</i>
11:00 – 12:30	Decomposition by Subgroup & Dimension
	Population subgroup decomposability: discuss how overall poverty can be decomposed across different population subgroups, and show maps for visual policy analysis Dimensional breakdown: discuss how poverty can be decomposed to understand the prevalence of deprivations in different dimensions among the poor
	<i>Lunch</i>
13:30 – 15:00	Working Groups: Subgroup Decomposition, Maps & Dimensional Breakdown
	Stata code and stages required for the decomposition analysis



15:00 – 15:30 Coffee Break

15:30 – 17:30 Sensitivity, Robustness Analysis & SE

How accurate are the estimates?

If they are used for policy, what is the chance that they are mistaken?

- How sensitive policy prescriptions are to choices of parameters used for designing the measure (**Robustness Analyses**)
- How accurate policy prescriptions are subject to the sample from which they are computed (**Statistical Inferences**)

Stata code for sensitivity analysis

Friday, 4th December

Time:	Item Description:
09:00 – 10:30	Time Series Descriptive Analysis using Time Series data Chronic Poverty Measurement using Panel data
10:30 – 11:00	<i>Coffee Break</i>
11:00 – 12:30	Interpreting the MPI Results Motivation Steps and understanding of the different concepts Interpretation of the results using actual MPI results <i>Lunch</i>
13:30 – 15:00	Working Groups: Preparing the presentations
15:00 – 15:30	Coffee Break
15:30 – 17:30	Working Groups: Preparing the presentations

Saturday, 5th December

Time:	Item Description:
09:00 – 10:30	Clarifying Concepts and Communicating your Results Motivation Steps and understanding of the different concepts Interpretation of the results using actual MPI results
10:30 – 11:00	<i>Coffee Break</i>



11:00 – 12:30 Building a National MPI

Policy Considerations
Implementation
Institutionalization
How to use the MPI: From Metrics to Social Policy And Good Governance
National examples

Lunch

13:30 – 15:00 Working Groups: Preparing the presentations

15:00 – 15:30 Coffee Break

15:30 – 17:30 Presentations of Working Group Results

Sunday, 6th December

Time: Item Description:

09:00 – 12:30 Presentations of Working Group Results

Purpose/Dimensions/Indicators/Deprivation Cut-offs/ Weights/
strengths and limitations of these indicators, and standing questions.
Results for integral k cut-offs/Choice of poverty cut-off
Raw and Censored Headcounts
Percentage contributions
Decomposition by subgroups (MPI, H, A, headcounts, % contribution)
Comparisons with other analyses
Direct Policy Messages
Issues for Further study.

Lunch

13:30—15:00 Review of Course and Closure

Review of the course
Discussion and Conclusion and Certificates of Accomplishment

15:15—16:30 Non-compulsory exam