A Toolkit on Small Area Estimation for the SDGs

Outline

1. Introduction and Scope

- The section describes the scope of the practical guides, including the questions that the practical guides will address and the target audience. The main objective of the practical guides is to encourage and enable national statistics offices to use small area estimation (SAE) methods for the monitoring of the SDGs.

2. Overview of small area estimation methods

- The section describes the questions why and when the small area estimation (SAE) methods can be useful. Furthermore, it gives a brief introduction to the core idea of SAE.

3. Step-by-step guides on using small area estimation methods

- The section elaborates on the framework for the production of small area estimates and explains the different steps to produce small area estimates. Furthermore, a range of overview paper and well-recognized books from this field of research are summarized.

4. Country examples and case studies

- This section is to collect country examples and case studies that describe applications for various indicators using different models. These case studies can also be example cases from papers that have not been accredited as official statistics. The studies should be organized by indicator, disaggregation level, data availability and model; and covering steps described in this chapter.

5. Visualization and communication of small area estimates

- This section presents various visualizations of small area estimates and how to communicate the estimates to policy makers and the public. It will give an overview of use cases where SAE is used for the production of official statistics.

6. Software packages for SAE

- This page should give a comprehensive overview of commonly used software packages in SAE, such as R, STATA, and others.