

EUPM Practitioners Guide

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Introduction

TODO

1 Small Area Estimations for the poverty mapping: an overview

As discussed with Nobuo, Danielle and Eduard, place for an practitioners overview chapter.

Place figures under `images` and use them in the text as follows making sure to refer the sources correctly. For example, Figure [1.1](#) is adapted from (Corral et al. 2022, 5).

One can also embed mathematical formulas following the latex syntax: $y = a + b \log x$. For more information, see [quarto help on authoring](#).

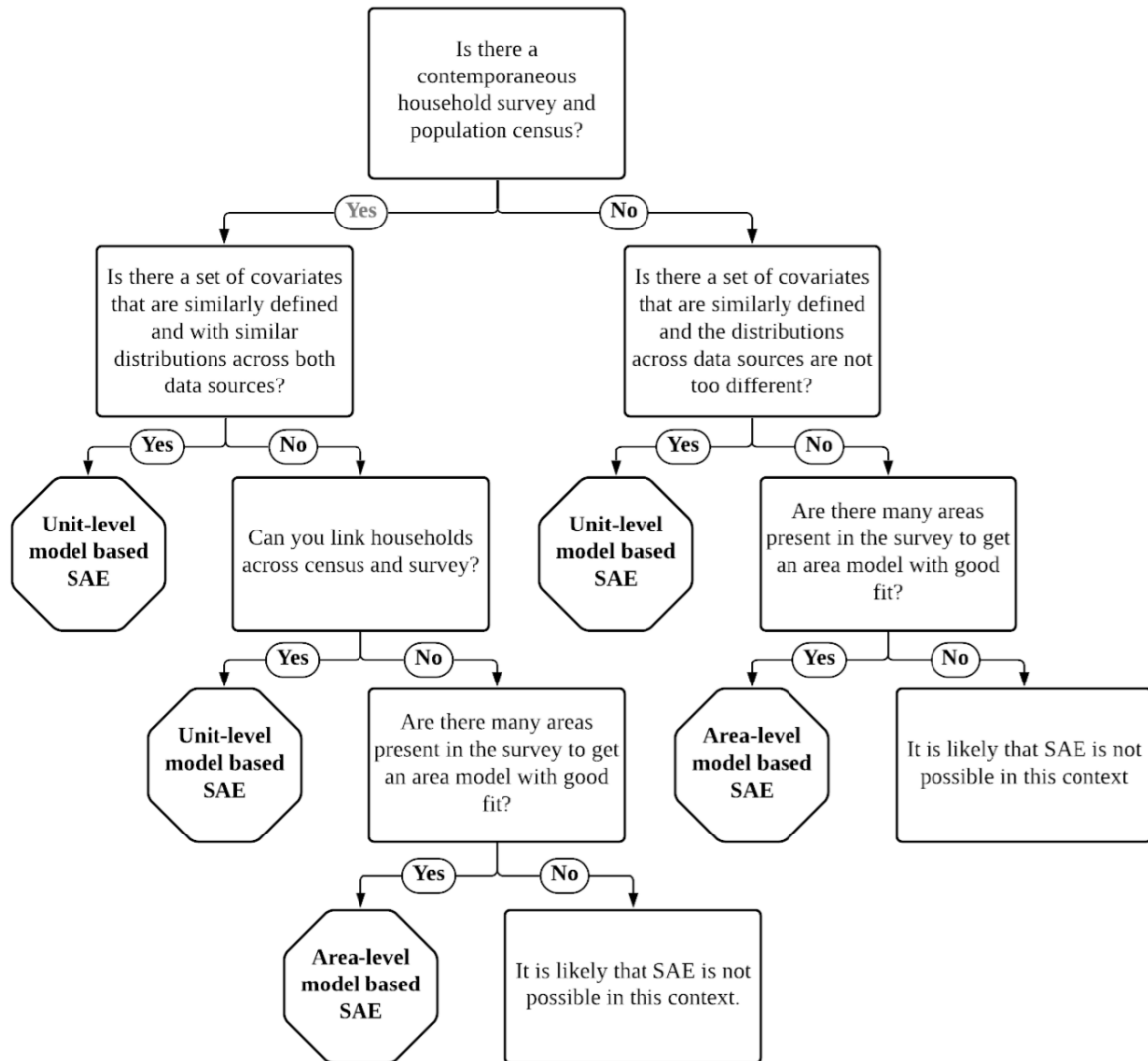


Figure 1.1: SAE decision tree

2 Data preparation

This chapter provides a template for organizing the data flow in the EUPM analysis.

3 Fay–Herriot (TODO)

Reproducible guide to the practitioners on implementing the FH SAE model.

- Place all data necessary under `data` (we will consider later if it worth moving data and potential functions into a separate R Package).

Based on:

- “Comparable Small Area Estimates over Time” (Molina and Romero 2024) and R Code
- The SAE Guidelines (Corral et al. 2022)

4 Unit-Level models (TODO)

Reproducible guide to the practitioners on implementing the unit-level SAE models.

- Place all data necessary under `data` (we will consider later if it worth moving data and potential functions into a separate R Package).

References

- Corral, Paul, Isabel Molina, Alexandru Cojocaru, and Sandra Segovia. 2022. *Guidelines to Small Area Estimation for Poverty Mapping*. World Bank Washington.
- Molina, Isabel, and Eva Romero. 2024. *Comparable Small Area Estimates over Time*.