

FMfI2023 Program

Name

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Title

Poverty Mapping in Japan based on Area Level Model Approach using Japanese Official Microdata

Abstract

It has been considered a social problem related to poverty in Japan, especially for a decade. To address such a big issue, making a reliable document to understand some poverty situations for small domains may be essential. In this study, we map the poverty rate of a small demographic domain for each prefecture, which was constructed using official Japanese microdata. We also modified one statistical estimating method under the area-level model to analyze the data obtained using a complex sampling design. This is joint work with Dr. Mayumi Oka at the Institute of Statistical Mathematics.