

Setting up statistical registers of individuals and dwellings in France: approach and first steps

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Abstract

In order to rationalize a more massive use of administrative data in the production of demographic and social statistics, the French national statistical institute (INSEE) has decided to launch the Résil program (Individual and housing statistical registers). The goal of this program is to create a system of individual, housing and household registers based on the mobilization of external data, particularly administrative data, in strict compliance with the conditions of individual data protection. Thus, through these registers, INSEE will have a reference universe that will allow:

- *to constitute the sampling frames as well as the calibration margins for household surveys;*
- *to measure the quality of coverage of sources;*
- *to match different datasets: surveys with administrative data, administrative data to administrative data in order to provide a richer information.*

To set up this information system, INSEE will draw on international experiences, as it plans to use methodologies already implemented in several national statistical institutes, including:

- *deterministic and probabilistic matching methods for identifying and comparing different administrative sources. These methods are essential insofar as France does not have a unique and shared identifier;*
- *the sign of life method to define the reference population from the presence of individuals in several input data;*
- *the Dual System Estimation to measure the quality of coverage of the registers, taking into account the annual data of the population census (it is a real opportunity to have these annual points of comparison in order to assess the quality of the registers, especially during the set-up period).*

This paper will therefore present the stakes of the implementation of these registers, then describe the main methodological principles and the proofs of concept planned for its implementation.

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