DSS Statistics Seminar
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https://meet.google.com/eyj-oidi-cvh

Use of small area estimation methods for the Italian permanent census

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Starting from 2018, the Italian National Statistical Institute launched a new census system, named Permanent Census, which, integrating administrative data and data coming surveys, will be carried out every year. This put an end to the era of traditional decennial censuses. The census survey sample is aimed at updating the data contained in the integrated system of statistical registers. Furthermore, the new census will be integrated with the main social surveys. Integration between survey data and statistical registers will be used for the estimation of population counts and census tables. Estimates have to be produced and disseminated at very disaggregated levels, that is cross classifications of socio-economic variables at municipality level. For these reasons standard direct estimates cannot guarantee reliable estimates for all the target domains (and of course cannot even be computed for out of sample domains) and small area estimation methods need to be used. In this work we present some small area estimation methods that can be used for the production of population counts and census tables.

SAPIENZA
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Seminar Series
New challenges in Official Statistics

In recent decades, National Statistical Institutes moved toward producing official statistics by exploiting multiple sources of information. The relevance of multi-source statistics in such a context is becoming increasingly evident and it led to important research projects in the field. With this seminar series, we aim to give an up-to-date picture of current developments. The highlight will be on observed progress in the direction of using formal statistical models, and potential future areas of research.
The list of topics covered in the series is:

1. Data Integration and issues related to integrating information from different sources
2. Methods for population estimation with multisource data
3. Mixed mode data collection
4. Small area estimation
5. Seasonal adjustments

This is the first attempt to join forces from ISTAT and the department of Statistics to give access to the directions of current development and the definition of new areas of interest in official statistics.

The Organizers
Marco Di Zio, Danila Filipponi (ISTAT)
Marco Alfò, Giovanna Jona Lasinio, Roberto Rocci (Sapienza)

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