

# Calibration of Register Based Census Data

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## Abstract

The aim of this work was to get detailed statistical information about indicators of economic activity. Regularly obtain information about economic activity of inhabitants of Latvia is one of the Labour Force Survey (LFS) targets. Lack of LFS is that the obtained estimations are credible only in large domains but not in small population subgroups. Since Census 2021 is coming, once in a year Central Statistical Bureau of Latvia prepare register based census data where also is available information about economic activity. Lack of this data source is that it is not always possible to get all necessary information only from administrative data sources and these data could be biased because of measurement errors. Approach in this paper is to use the strengths of both data sources to get the desired result. Thus, it was evaluated which variable estimates from LFS is precise enough and in the next step register based census data were calibrated to these results. Calibration was done in program R using function ‘calib’ from package ‘sampling’. More detailed methodology and results will be presented in workshop.

*Keywords:* register based census data, Labour Force Survey, calibration, detailed statistics.

## References

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