

Quality assessment of register based statistics

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Abstract

In the scope of the transformation to a register-based Census 2011 in Austria, a quality framework for statistical data based on administrative sources has been developed. Now, this quality framework is used annually to evaluate the quality of the register-based labour market statistics (RBLMS). These quality indicators offer a wide range of possibilities to analyse the attributes on their own but also in combinations. Moreover, the calculated quality indicators i.e. on register level can also be used for other projects and deliver essential information of the quality. The presentation reaches from the fundamentals of the Austrian Census to the basic concept of the quality framework and provides detailed results from the application of the framework to the Austrian register-based labour market statistics. Starting with a look on key topics like the Principle of Redundancy and Analysis of Residence, the talk gives an overview of the actual quality framework and its three stages (raw data level, census data base, final data pool) as well as the different types of attributes (simple, multiple, derived). The quality of each attribute is evaluated on these three different stages. Therefore, the whole data editing process can be monitored. This comes along with key figures of the RBLMS. Finally, the prospects are certain findings and further developments.

Keywords: administrative data, register-based census, quality assessment, Austrian Census 2011.