

List Frames, Area Frames and Administrative Data - Are They Complementary or In Competition?

Elisabetta Carfagna
University of Bologna, Italy, Statistics Department
carfagna@stat.unibo.it

Many different data on agriculture are available in the various countries in the world. Administrative data are available almost everywhere, produced on the basis of various data sources. In some countries, a specific data collection is performed with the purpose of producing agriculture statistics, using complete enumeration or sample surveys based on list or area frames or both. Rationalization is felt as a strong need by many countries, since they deliver different and sometimes non-comparable data; moreover, maintaining different data acquisition systems is very expensive.

In this paper, we perform an analysis of risks, advantages, disadvantages and requirements of the direct use of administrative data for statistical purposes. We also consider some ways in which administrative data can give a contribution to the production of accurate agriculture statistics. Finally, an analysis is performed of the use of list, area and multiple frames and of various kinds of area frames for the different aims and situations.