

MEHR ZAHLEN, BESSERE ENTSCHEIDUNGEN?

Neue digitale Daten und Methoden in der empirischen Analyse und Beratung

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Kurzfassung/Abstract:

Big data and beyond: the changing role of official statistics

Barteld Braaksma

Barteld Braaksma is innovation manager at CBS, the National Statistical Institute of the Netherlands. In this role he has supported and promoted a wide range of innovation tracks during the past five years, often in the form of concrete pilots or proofs of concept. For example, the current open data site of CBS started as a proof of concept under his responsibility. Other examples include the first infographics published by CBS, the introduction of a process mining tool for internal process optimisation, a number of concrete big data experiments and some pilots involving the use of mobile devices and sensors. In many cases, these innovation tracks have been realised in close collaboration with public and/or private partners like cities, universities, large companies and small start-ups. He is also a member of the management team of the Center for Big Data Statistics that was established by CBS in 2016. In the past, Barteld has been involved in a broad range of activities at CBS, including research, development of new statistics, quality management and enterprise architecture. Beside his CBS duties, Barteld is active in different international groups at European and United Nations level; for example as innovation manager for the UN/ECE Modernisation Committee on Products and Sources and as a member of the ESS Steering Group on Big Data. He was secretary to the high-level group that formulated the ESS Vision 2020. Barteld was trained as a mathematician, in particular in nonlinear dynamics and chaos theory. Before and during his career at CBS he taught mathematics at various universities in Holland and Belgium. In his free time, Barteld likes to play bridge; which implies a form of data processing which neither concerns open data nor big data.

The emergence of all kinds of new data sources, often referred to as big data or the data revolution, has a huge impact on the role of official statistics in society. Statistics Netherlands (CBS) tries to approach the data revolution as an opportunity rather than a threat by looking for new sources, methods and tools on the one hand, and new users, products and services on the other hand. Innovative collaboration models and liaisons with all kinds of partners, both public and private, are crucial to making progress. The presentation discusses the Center for Big Data Statistics and the Urban Data Centers established by CBS, next to instruments such as data camps and the innovation site that shows beta products.