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	Titolo	Measuring the Data Universe : Data Integration Using Statistical Data and Metadata Exchange / / by Reinhold Stahl, Patricia Staab
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	ISBN	3-319-76989-8
	Edizione	[1st ed. 2018.]
	Descrizione fisica	1 online resource (VII, 117 p. 38 illus., 33 illus. in color.)
	Disciplina	005.73
	Soggetti	Statistics
		Data structures (Computer science)
		Data mining
		Big data
		Applied Statistics
		Data Structures
		Data Mining and Knowledge Discovery
		Big Data/Analytics
		Big Data
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	0 About the Authors -- 0 About This Book -- Part 1: Creating Comprehensive Data Worlds using Standardisation -- 1 Where We Stand, Where We Want to Be, and How to Get There -- 2 What Does Reality Look Like? -- 3 What Can We Expect From Big Data? -- 4 Why is Data Integration so Hard? -- 5 Basic Thoughts about Standardisation -- 6 Standardisation and Research -- 7 Introducing Standards Successfully -- 8 Statistics Driving Successful Data Integration -- 9 Contribution of the Statistics Standard SDMX -- 10 Conclusion and Outlook -- Part 2: The Statistics Standard SDMX -- 11 History of SDMX -- 12 The Main Elements of SDMX -- 13 Working With SDMX -- 14 SDMX as a key success factor for data integration -- Glossary.
	Sommario/riassunto	This richly illustrated book provides an easy-to-read introduction to the challenges of organizing and integrating modern data worlds, explaining the contribution of public statistics and the ISO standard

SDMX (Statistical Data and Metadata Exchange). As such, it is a must for data experts as well those aspiring to become one. Today, exponentially growing data worlds are increasingly determining our professional and private lives. The rapid increase in the amount of globally available data, fueled by search engines and social networks but also by new technical possibilities such as Big Data, offers great opportunities. But whatever the undertaking – driving the block chain revolution or making smart phones even smarter – success will be determined by how well it is possible to integrate, i.e. to collect, link and evaluate, the required data. One crucial factor in this is the introduction of a cross-domain order system in combination with a standardization of the data structure. Using everyday examples, the authors show how the concepts of statistics provide the basis for the universal and standardized presentation of any kind of information. They also introduce the international statistics standard SDMX, describing the profound changes it has made possible and the related order system for the international statistics community.