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Record Nr.	UNINA9910416122503321
Titolo	Large-Scale Cognitive Assessment [[electronic resource]] : Analyzing PIAAC Data / / edited by Débora B. Maehler, Beatrice Rammstedt
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-47515-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (VII, 290 p. 110 illus., 39 illus. in color.)
Collana	Methodology of Educational Measurement and Assessment, , 2367-170X
Disciplina	371.26
Soggetti	Assessment
	Statistics
	Education—Economic aspects
	International education
	Comparative education
	Assessment, Testing and Evaluation
	Statistics for Social Sciences, Humanities, Law
	Education Economics
	International and Comparative Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Large-Scale Assessment in Education: Analysing PIAAC Data (Débora B. Maehler and Beatrice Rammstedt) -- Chapter 2. Design and Key Features of the PIAAC Survey of Adults (Irwin Kirsch, Kentaro Yamamoto, and Lale Khorramdel) -- Chapter 3. Plausible Values – Principles of Item Response Theory and Multiple Imputations (Lale Khorramdel, Matthias von Davier, Eugenio Gonzalez, and Kentaro Yamamoto) -- Chapter 4. Adult Cognitive and Non-Cognitive Skills: An Overview of Existing PIAAC Data (Débora B. Maehler and Ingo Konradt) -- Chapter 5. Analysing PIAAC Data with the International Data Explorer (IDE) (Emily Pawlowski and Jaleh Soroui) -- Chapter 6. Analysing PIAAC data with the IDB Analyzer (SPSS and SAS) (Andrés Sandoval-Hernández and Diego Carrasco) -- Chapter 7. Analysing PIAAC Data with Stata (François Keslair) -- Chapter 8. Analysing PIAAC

Data with Structural Equation Modelling in Mplus (Ronny Scherer) -- 9. Using EdSurvey to Analyse PIAAC Data (Paul Bailey, Michael Lee, Trang Nguyen, Ting Zhang) -- Chapter 10. Analysing Log File Data from PIAAC (Frank Goldhammer, Carolin Hahnel, and Ulf Kroehne) -- Chapter 11. Linking PIAAC Data to Individual Administrative Data: Insights from a German Pilot Project (Jessica Daikeler, Britta Gauly, and Matthias Rosenthal).

Sommario/riassunto	This open access methodological book summarises existing analysing techniques using data from PIAAC, a study initiated by the OECD that assesses key cognitive and occupational skills of the adult population in more than 40 countries. The approximately 65 PIAAC datasets that has been published worldwide to date has been widely received and used by an interdisciplinary research community. Due to the complex structure of the data, analyses with PIAAC datasets are very challenging. To ensure the quality and significance of these data analyses, it is necessary to instruct users in the correct handling of the data. This methodological book provides a standardised approach to successfully implementing these data analyses. It contains examples of and tools for the analysis of the PIAAC data using different statistical approaches and software, and it offers perspectives from various disciplines. The contributing authors have hands-on experience of using PIAAC data, and/or they have conducted data analysis workshops with these data.