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	Nota di contenuto	Part I: Healthy Life Expectancy Estimates -- Chapter 1. The Direct Healthy Life Expectancy Estimates from Life Tables to Support HALE Measures done by the World Health Organization. A New Tool for a Standard Measure -- Chapter 2. Expanding the Life Tables for Companion Dogs in UK and Japan to include the Healthy Life Expectancy -- Chapter 3. Direct Healthy Life Expectancy Estimates from Life Tables with a Sullivan Extension: The case of Brazil 2003 -- Chapter 4. Assessment of the CASP-12 scale among people aged 50+ in Europe: An analysis using SHARE data -- Chapter 5. Possibilities of

creating new health indicators -- Chapter 6. Expanding the Life Tables to Include the Healthy Life Expectancy -- Part II: Health – Covid-19 -- Chapter 7. Reaction to COVID-19 Pandemic: An Evaluation of Pandemic Management Around the World -- Chapter 8. A Stochastic Characterization of Omicron Variant of SARS-COV 2 Virus -- Chapter 9. Factors associated with direct and indirect aspects of loneliness among Europeans aged 50 or higher -- Chapter 10. Neuropsychological Normed Measures for the Tinker Toy Test (TTT). Exploring Latent Structures -- Chapter 11. A Tool for Measuring Alcohol Policy Scoring in Czechia and EU: The Innovative Alcohol Policy Indicator -- Part III: Mortality -- Chapter 12. Epidemic models with several levels of immunity -- Chapter 13. Preventable deaths and maternal and newborn factors in a region of Brazil: panel data modeling -- Chapter 14. Comparing the mortality regimes in the once called "western world." -- Chapter 15. Kane Tanaka's 119 birthday and the Supercentenarians' age estimation. Further remarks on the oldest old record of 122 years by Jeanne Calment -- Chapter 16. Recent changes in Human mortality: The case study of Greece -- Part IV: Data Analysis -- Chapter 17. Exploring cross-national comparability of unidimensional constructs -- Chapter 18. Measuring transition smoothness into European labour market(s) -- Chapter 19. Could the idea of equitable normal pension age stabilize the pension system? -- Chapter 20. The use of Artificial Intelligence in medical imaging. Scientific Research and opinions of doctors and radiologists towards the use of artificial intelligence in radiology -- Part V: Demography And Society -- Chapter 21. Semantic integration of data: from theory to social research practice -- Chapter 22. To read on not to read? Examining the relation between students' well-being and their attitude towards reading -- Chapter 23. The demographic, social and regional "profile" of peoples' perceptions of their social class: Evidence from the 7th wave of the World Values Survey, 2017-2020.

| Sommario/riassunto | This book provides new theoretic and applied material with focus on quantitative methods and data analysis techniques applied in demography, population studies, health issues and statistics. It discusses the quantitative techniques to estimate the healthy life expectancy by expanding the classical life tables to include the proportion with disability calculated from life tables, along with the Sullivan method. The provided templates apply immediately to the life tables from WHO, HMD, Eurostat and other life table providers. Furthermore, the book explores the possibility of creating new health indicators along with Covid-19 pandemic management, factors associated to loneliness and an alcohol indicator. Part of the book is devoted to mortality, epidemic models, and the supercentenarians age estimation. Data analysis and artificial intelligence methods are included to apply in demographic and socio-economic cases. By providing a methodology to cope with health problems in demography and society by quantifying important health parameters, this book is a valuable guide for researchers, theoreticians, and practitioners from various disciplines and especially health scientists, statisticians, economists, and sociologists. |