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| Nota di contenuto | Part I: Health -- Chapter 1. Introduction to Contents I -- Chapter 2. Find the Healthy Life Years Lost (HLYL) -- Chapter 3. Updating the proposal for assessing the quality of census count of centenaries -- Chapter 4. Analysis of Health Status in the Czech Republic: 2019-2022 Trends -- Chapter 5. Which socio-demographic indicators influence the health rating? Example of EHIS on Czech data -- Chapter 6. Studying the European Union Summary Innovation Index (SII) and its affecting factors -- Chapter 7. Assessing gender differences in the risk of depression: A Cox regression analysis examining subjective and objective health indicators -- Chapter 8. Saving resources due to the operation of the Centralized Gytostatic Preparation Unit (CCPU) in Greek Hospitals: the case of the CCPU in the Hospital Evangelismos -- Part II: Mortality -- Chapter 9. The Functional Clustering of the Mortality Gender Gap: a multi- country analysis -- Chapter 10. An alternative |

approach to causes of death prediction using Support Vector Machines -- Chapter 11. Mortality in Greece during a short (?) counter-transition period: 2019-2021 -- Chapter 12. Longevity comparison by gender: exploring the future through an evidence-based approach -- Chapter 13. Leonhard Euler's Research on the Multiplication of the Human Race with Models of Population Growth -- Chapter 14. Regional Mortality and Health Status in Greece (1990-2020) -- Part III: Covid-19 -- Chapter 15. Mortality in the Regions of Greece during the first two years of the COVID-19 pandemic -- Chapter 16. The impact of the COVID-19 pandemic on the financing and financial management of Public Hospitals in Greece -- Chapter 17. From Zero Clearing to Opening Management: The Estimation of the Infection Cases and Mortality Cases In Post-Covid-19 Pandemic Governance (Nov.2022-Feb.2023) -- Chapter 18. The financial ramifications of the pandemic of COVID -19 on primary healthcare sectors of the 7th health region of Crete and the Management for the treatment -- Chapter 19. Primary Health Care during the period of Covid -19 pandemic. The case management and the effect of the pandemic on the cost and the quality of services rendered at Health Care Centers of Fthiotida Prefecture -- Chapter 20. Understanding the Stochastic Behavior of Epstein-Barr Virus -- Chapter 21. Bayesian Birth-Death Skyline Model - A Case Study on Heterochronous Maltese SARS-CoV-2 Genomic Data.

Sommario/riassunto

This first volume of two provides quantitative techniques to estimate the healthy life years lost by expanding the classical life tables to include the proportion with disability calculated from life tables, along with a final part using the Sullivan method. The provided templates apply immediately to the life tables from the WHO, HMD, Eurostat and other life table providers. Furthermore, the possibility of creating new health indicators is explored along with Covid-19 pandemic management. A part of this book is devoted to mortality, epidemic models, and comparative studies in Czechia, Greece, and the EU. Data analysis and artificial intelligence methods are included to apply in demographic and Cox regression and gender differences and the gender gap in EU. Mortality is tested with support methodology, while the gender gap is extensively analyzed and tested in several countries. The post covid-19 cases are tested, including mortality and economic implications for cases from China, Greece and Czechia. The stochastic behavior of Epstein-Barr Virus is explored and a case study on heterochronous Maltese SARS-CoV-2 genomic data is presented. Leonhard Euler's research on the multiplication of the human race with models of population growth is also reviewed. By providing a methodology to cope with health and mortality problems in demography and society in Volume 1 and quantifying important health parameters in Volume 2, the books are a valuable guide for researchers, theoreticians, and practitioners from various disciplines and especially applied demographers, health scientists, statisticians, economists, and sociologists.
