1. Record Nr. UNINA9910736020603321 Autore Ishii Futoshi **Titolo** Modeling Shifting Mortality, and Its Applications / / by Futoshi Ishii Singapore:,: Springer Nature Singapore:,: Imprint: Springer,, 2023 Pubbl/distr/stampa **ISBN** 9789819925094 9819925096 Edizione [1st ed. 2023.] Descrizione fisica 1 online resource (90 pages) Collana Population Studies of Japan, , 2198-2732 Disciplina 304.640952 Soggetti Demography **Population** Mortality Longevity Applied Demography Population and Demography Mortality and Longevity Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Introduction -- Mortality Trends and Projection Models in Japan --Data and Methods -- Linear Difference Model -- Tangent Vector Field Approach to Mortality Projection -- Application to Analysis of the Trends of Modal Age at Death -- Summary and Conclusion. Sommario/riassunto This book describes a novel method for mortality modeling applying the shifting feature of the mortality curve. In Japan, the increase and pace of the extension in life expectancy have been quite remarkable. Therefore, existing mortality models often cannot capture the peculiarities of Japanese mortality, nor can the Lee-Carter model, which is now regarded internationally as a standard model. One of the important concepts to model recent Japanese mortality is a shifting feature. In this book, the linear difference model, which has many

advantages for modeling and analyzing Japanese mortality, is introduced. The book shows applications of the model to mortality projection with a tangent vector field approach and decomposition of the change of modal age at death. The models introduced here are

useful tools for modeling mortality with strong shifting features, as in Japan.