The actuarial analysis of social protection schemes is a challenge that requires a delicate balancing act between the demographic, economic, financial and actuarial fields. Actuarial Practice in Social Security addresses this challenge by providing a practical tool for actuaries to enhance and modernize social protection systems while still maintaining this important balance.

Offering a pragmatic and result-oriented approach, this volume presents technical material on valuation covering a wide-range of risks including old age, survivors, disability, sickness, maternity, employment injury, and unemployment. It offers a comprehensive, global picture of actuarial practice in social security and provides concrete examples of work done by actuaries in the field.

At a time when social protection systems around the world are under scrutiny, this timely and comprehensive book focuses on the improvement of these systems through effective financial planning, management and monitoring. While advocating the use of methodologically consistent statistical data, this guide offers a set of established and pragmatic modelling techniques and explains how they can be used at the national level to better the governance of social protection systems.

This informative book provides a much-needed resource on the actuarial foundation of the financing and management of social security pensions. By focusing on the underlying mathematical theory and techniques, this volume offers a ready reference for social security actuaries. The theoretical presentation emphasizes the principles and interrelationships the impact of the different funding approaches. The volume elaborates on the projection technique of valuation as well.

This unique book provides a solid understanding of the basics of modelling and assists health care professionals in grasping its uses in the policy-making process. A valuable guidebook for health system and health insurance managers alike, this volume offers the quantitative and analytic tools needed for sound resource allocation and financial governance of health systems. It creates synergies and bridges gaps between quantitative health economics, health financing and actuarial science while presenting methods for improving the efficiency, and lowering the costs, of current health systems.