Record Nr. UNINA9910451499003321 Stochastic optimization models in finance [[electronic resource] /] / **Titolo** editors, William T. Ziemba, Raymond G. Vickson Pubbl/distr/stampa Hackensack, NJ,: World Scientific, c2006 **ISBN** 1-281-37927-1 9786611379278 981-277-365-7 Edizione [2006 ed.] Descrizione fisica 1 online resource (0 p.) Collana World Scientific Handbook in Financial Economics Series; v.1 Altri autori (Persone) ZiembaW. T VicksonR. G Disciplina 332.01/51922 Soggetti Finance Mathematical optimization Stochastic processes Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Originally published: New York: Academic Press, 1975, in series: Note generali Economic theory and mathematical economics. Nota di bibliografia Includes bibliographical references (p. 701-714) and index. Nota di contenuto CONTENTS; Preface and Brief Notes to the 2006 Edition; Preface in 1975 Edition Acknowledgments; PART I. MATHEMATICAL TOOLS: Introduction; 1. Expected Utility Theory; 2. Convexity and the Kuhn Tucker Conditions; 3. Dynamic Programming; Computational and **Review Exercises** Mind-Expanding Exercises PART II. QUALITATIVE ECONOMIC RESULTS: Introduction: 1. Stochastic Dominance: 2. Measures of Risk Aversion: 3. Separation Theorems; Computational and Review Exercises; Mind-Expanding Exercises: PART III. STATIC PORTFOLIO SELECTION MODELS Introduction 1. Mean-Variance and Safety First Approaches and Their Extensions; 2. Existence and Diversification of Optimal Portfolio Policies: 3. Effects of Taxes on Risk Taking: Computational and Review

Exercises: Mind-Expanding Exercises

PART IV. DYNAMIC MODELS REDUCIBLE TO STATIC MODELS Introduction; 1. Models That Have a Single Decision Point; 2. Risk Aversion over Time Implies Static Risk Aversion; 3. Myopic Portfolio

Policies; Computational and Review Exercises; Mind-Expanding Exercises

PART V. DYNAMIC MODELS Introduction; 1. Two-Period Consumption Models and Portfolio Revision; 2. Models of Optimal Capital Accumulation and Portfolio Selection; 3. Models of Option Strategy; 4.

The Capital Growth Criterion and Continuous-Time Models

Computational and Review Exercises

Sommario/riassunto

A reprint of one of the classic volumes on portfolio theory and investment, this book has been used by the leading professors at universities such as Stanford, Berkeley, and Carnegie-Mellon. It contains five parts, each with a review of the literature and about 150 pages of computational and review exercises and further in-depth, challenging problems. Frequently referenced and highly usable, the material remains as fresh and relevant for a portfolio theory course as ever. Sample Chapter(s) Chapter 1: Expected Utility Theory (373 KB)

Contents: Mathematics