Record Nr. UNINA9910830153403321 Autore Dworsky Lawrence N. <1943-> Titolo Understanding the mathematics of personal finance [[electronic resource]]: an introduction to financial literacy / / Lawrence N. Dworsky Hoboken, NJ,: Wiley, c2009 Pubbl/distr/stampa **ISBN** 1-282-30671-5 9786612306716 0-470-53839-2 0-470-53838-4 Descrizione fisica 1 online resource (262 p.) Disciplina 332.0240015195 332.6 Soggetti Finance, Personal - Mathematics Investments - Mathematics **Business mathematics** Consumers - Decision making - Mathematics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Understanding the Mathematics of Personal Finance; Contents; Preface; Acknowledgments: List of Abbreviations: 1. Background Mathematics: 1.1 Arithmetic, Notation, and Formulas; 1.2 Minus (Negative) Signs; 1.3 Lists and Subscripted Variables; 1.4 Changes; 1.5 Exponents; 1.6 Summations: 1.7 Graphs and Charts: 1.8 Approximations: 1.9 Rates-Average and Instantaneous; 1.10 Inequalities and Ranges of Numbers; Problems; 2. Compound Interest; 2.1 Some Mathematics; 2.2 My Website Spreadsheet; 2.3 Online Calculators; 2.4 Scaling; 2.5 Proration-Working Inside a Compounding Interval 2.6 Initial Charges and Effective Interest Rate2.7 In the Limit-Continuous Compounding; Problems; 3. Loan Amortization and

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13. Investing: Risk versus Reward

Sommario/riassunto

A user-friendly presentation of the essential concepts and tools for calculating real costs and profits in personal finance Understanding the Mathematics of Personal Finance explains how mathematics, a simple calculator, and basic computer spreadsheets can be used to break down and understand even the most complex loan structures. In an easy-to-follow style, the book clearly explains the workings of basic financial calculations, captures the concepts behind loans and interest in a step-by-step manner, and details how these steps can be implemented for practical purposes. Rather