1. Record Nr. UNINA9911019549603321 Autore Rachev S. T (Svetlozar Todorov) Titolo A probability metrics approach to financial risk measures / / Svetlozar T. Rachev, Stoyan V. Stoyanov, Frank J. Fabozzi Chichester, West Sussex, U.K.; Malden, MA,: Wiley-Blackwell, 2011 Pubbl/distr/stampa **ISBN** 9786613407986 9781444392692 1444392697 9781444392715 1444392719 9781283407984 1283407981 9781444392708 1444392700 Descrizione fisica 1 online resource (283 p.) Classificazione BUS033070 Altri autori (Persone) StoyanovStoyan V FabozziFrank J Disciplina 332.015192 Soggetti Financial risk management **Probabilities** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia ""Title Page""; ""Copyright""; ""Dedication""; ""Preface""; ""About the Nota di contenuto Authors""; ""Chapter 1: Introduction""; ""1.1 Probability Metrics""; ""1.2 Applications in Finance""; ""References""; ""Chapter 2: Probability Distances and Metrics""; ""2.1 Introduction""; ""2.2 Some Examples of Probability Metrics""; ""2.3 Distance and Semidistance Spaces""; ""2.4 Definitions of Probability Distances and Metrics""; ""2.5 Summary""; ""2.6 Technical Appendix""; ""References""; ""Chapter 3: Choice under Uncertainty""; ""3.1 Introduction""; ""3.2 Expected Utility Theory""; ""3.3 Stochastic Dominance"" ""3.4 Probability Metrics and Stochastic Dominance"""3.5 Cumulative

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Sommario/riassunto

"A Probability Metrics Approach to Financial Risk Measures relates the field of probability metrics and risk measures to one another and applies them to finance for the first time. Helps to answer the question: which risk measure is best for a given problem? Finds new relations between existing classes of risk measures. Describes applications in finance and extends them where possible. Presents the theory of probability metrics in a more accessible form which would be appropriate for non-specialists in the field. Applications include optimal portfolio choice, risk theory, and numerical methods in finance. Topics requiring more mathematical rigor and detail are included in technical appendices to chapters."--Provided by publisher. "Is the behavior of the stocks in our portfolio close to their behavior during the most recent crisis? How close is the strategy of hedge fund A to the strategy of hedge fund B? In which proportions do we invest in a given universe of stocks so that the resulting portfolio matches as much as possible the strategy of fund C? All of these questions are essential to finance and they have one feature in common: measuring distances between random quantities. Problems of this kind have been explored for many years in areas other than finance. In A Probability Metrics Approach to Financial Risk Measures, the field of probability metrics and risk measures are related to one another and applied to finance for the first time, revealing groundbreaking new classes of risk measures, finding new relations between existing classes of risk measures, and providing answers to the question of which risk measure is best for a given problem. Applications include optimal portfolio choice, risk theory, and numerical methods in finance"--Provided by publisher.