1. Record Nr. UNINA9910140162903321 Autore Fletcher S (Shayne) Titolo Financial modelling in Python [[electronic resource] /] / S. Fletcher & C. Gardner Pubbl/distr/stampa Chichester, : Wiley, 2009 **ISBN** 0-470-68500-X 1-282-88892-7 9786612888922 0-470-74789-7 Edizione [1st edition] Descrizione fisica 1 online resource (246 p.) Collana Wiley finance series Altri autori (Persone) GardnerChristopher 332.0285/5133 Disciplina 332.02855133 Soggetti Finance - Mathematical models - Computer programs Python (Computer program language) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Financial Modelling in Python; Contents; 1 Welcome to Python; 1.1 Why Python?; 1.1.1 Python is a general-purpose high-level programming language: 1.1.2 Python integrates well with data analysis, visualisation and GUI toolkits; 1.1.3 Python 'plays well with others'; 1.2 Common misconceptions about Python; 1.3 Roadmap for this book; 2 The PPF Package; 2.1 PPF topology; 2.2 Unit testing; 2.2.1 doctest; 2.2.2 PyUnit; 2.3 Building and installing PPF; 2.3.1 Prerequisites and dependencies; 2.3.2 Building the C++ extension modules; 2.3.3 Installing the PPF package: 2.3.4 Testing a PPF installation 3 Extending Python from C++3.1 Boost.Date Time types; 3.1.1 Examples; 3.2 Boost.MultiArray and special functions; 3.3 NumPy

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## Sommario/riassunto

""Fletcher and Gardner have created a comprehensive resource that will be of interest not only to those working in the field of finance, but also to those using numerical methods in other fields such as engineering, physics, and actuarial mathematics. By showing how to combine the high-level elegance, accessibility, and flexibility of Python, with the low-level computational efficiency of C++, in the context of interesting financial modeling problems, they have provided an implementation template which will be useful to others seeking to jointly optimize the use of computational and human r