# The Rmetrics Documentation Project

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# What is Rmetrics?

- Rmetrics Association: non-profit organization. It was founded in order to provide support for the Rmetrics project and other innovations in financial computing
- www.rmetrics.org
- premier open source solution for teaching financial market analysis and valuation of financial instruments
- Rmetrics combines exploratory data analysis, statistical modelling and rapid model prototyping

# Rmetrics packages

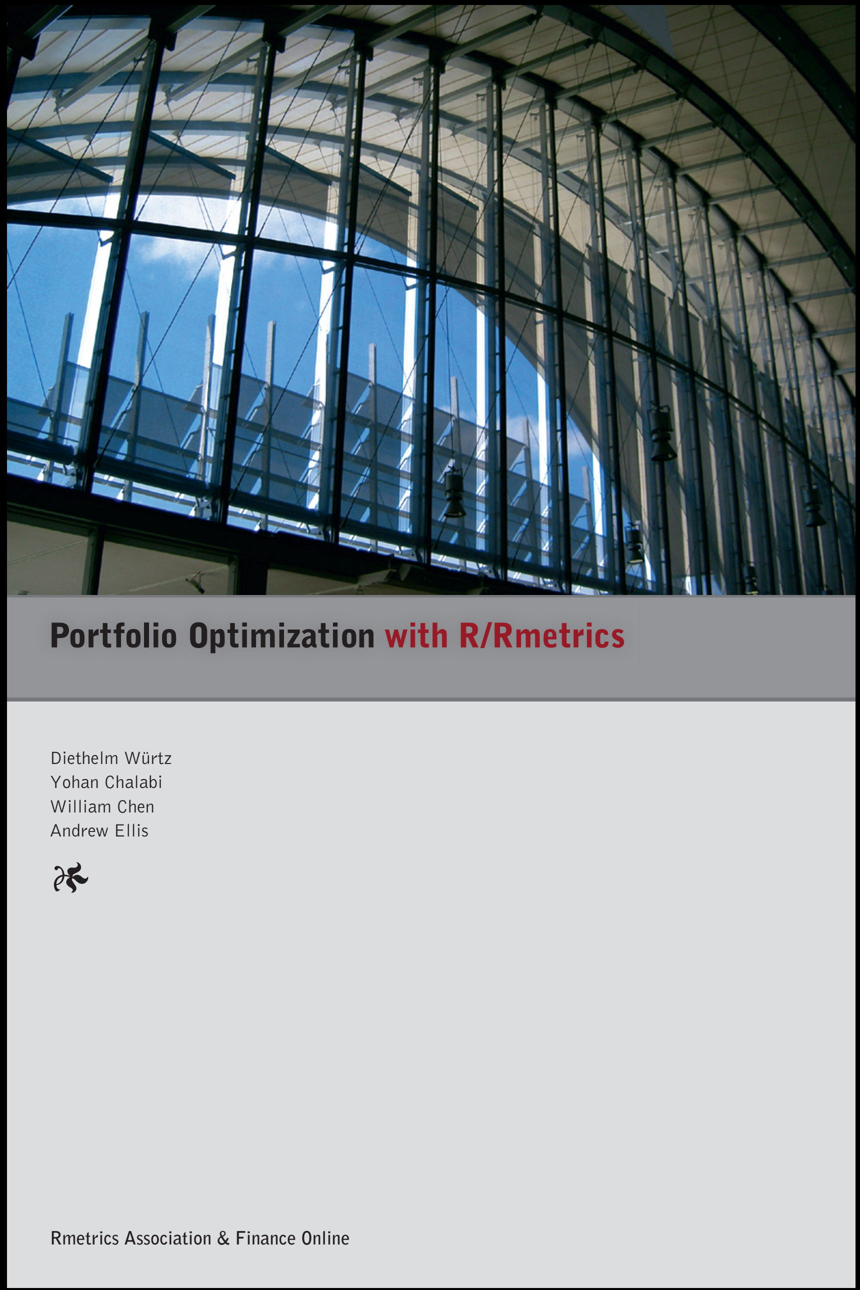
- Coverage: Rmetrics covers Time Series Econometrics, Hypothesis Testing, GARCH Modelling and Volatility Forecasting, Extreme Value Theory and Copulae, Pricing of Derivatives, Portfolio Analysis, Design and Optimization
- Packages: timeDate, timeSeries, fPortfolio, fGarch, fBonds, fPortfolioBacktest, fBasics,fAssets, fCopulae,fOptions, fAsianOptions, fArma, fMarkovSwitching

# What is Finance Online?

- Finance Online GmbH in Zurich was founded in 1997 by Diethelm Würtz, Martin Hanf and Remo Schnidrig as a spin-off company at ETH Zurich.

# The book

- www.rmetrics.org/ebook.htm
- produced using LaTeX, Sweave and many customizations
- intended to solve problem of documentation of open-source software



# Business model

- sell online using Paypal
- no DRM / kind DRM
- you buy a subscription for one year, i.e. you get the latest version for the whole duration
- any changes/improvements to the packages will immediately be reflected in the book
- support the Rmetrics Association financially, i.e. for student projects and fund further development of packages
- help others to publish textbooks / software documentation

# Problems with self-publishing

- who does the marketing?
- Solution: Google books

# Problems with ebooks

- people like real books
- solution: print-on-demand

# Advantages for ebook

- ideal for searching
- hyperlinks for TOC, index, URLs, references
- carry it with you everywhere you go

# References


- Leisch, F. (2002). Sweave: Dynamic generation of statistical reports using literate data analysis. In Härdle, W. and Rönz, B., editors, Compstat 2002 - Proceedings in Computational Statistics, pages 575–580, Heidelberg. Physica Verlag.
- Würtz, D., Chalabi, Y., Chen, W., and Ellis, A. (2009). Portfolio Optimization with R/Rmetrics. Rmetrics Association & Finance Online, Zurich, 1st edition.