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fHMM: Fitting Hidden Markov Models to Financial Time Series in R

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Abstract

 \mathbf{fHMM} is an R package for modeling financial time series data using hidden Markov models.

Keywords: decoding market behavior, hidden Markov models, time series modeling, R.

1. Introduction

Basic idea.
Introduction to financial data.
Hidden Markov models (HMMs).
Hierarchical HMMs.
Outline of the paper.

2. Model definition

Content ...

3. Controls

Content ...

R > x = 1

2 fHMM

4. Data management
Content
5. Model estimation
Content
6. State decoding and prediciton
Content
7. Model checking
Content
8. Model selection
Content
9. Summary and discussion
Content
Computational details
The results in this paper were obtained using R 4.1.2 with the fHMM 1.0.0 package. R itself and all packages used are available from the Comprehensive R Archive Network (CRAN) at https://CRAN.R-project.org/.
Acknowledgments
Content
References
Doe J (2021). "Test article."

http://www.jstatsoft.org/

http://www.foastat.org/

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A. Installation

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