



Applied Economics Letters >

Volume 12, 2005 - Issue 2

131 | 17 | 0
Views | CrossRef citations to date | Altmetric

Original Articles

Wavelet-based beta estimation and Japanese industrial stock prices

Hiroshi Yamada

Pages 85-88 | Published online: 16 Aug 2006

Cite this article <https://doi.org/10.1080/1350485042000307152>

Sample our
Economics, Finance,
Business & Industry Journals

>> [Sign in here](#) to start your access
to the latest two volumes for 14 days

Full Article

Figures & data

References

Citations

Metrics

Reprints & Permissions

Read this article

Share

Abstract

This paper applies the multi-scale beta estimation approach based on wavelet analysis proposed in Gençay et al. (2002) to Japanese industrial stock prices. Betas are calculated based on the wavelet rough and smooth from the discrete wavelet transform (DWT) and it is argued that the conventional beta estimate is an 'average' of the wavelet-based beta estimates. Some empirical evidence is shown that implies that the multi-scale beta estimation approach is useful.

Acknowledgements

I started this project during my research visit to the Department of Economics, Pusan National University. I am greatful to Professor Gawon Yoon for his hospitality and support.

Notes

For detailed explanations of wavelet analysis, see Gençay et al. ([2002](#)) and Percival and Walden ([2000](#)).

Related research

People also read

Recommended articles

Cited by
17

Information for

Authors

R&D professionals

Editors

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

Keep up to date

Register to receive personalised research and resources
by email

 Sign me up

  

  

Copyright © 2026 Informa UK Limited Privacy policy Cookies Terms & conditions

Accessibility



Registered in England & Wales No. 01072954
5 Howick Place | London | SW1P 1WG