

Applied Economics Letters >

Volume 19, 2012 - [Issue 13](#)

1,162 Views | 61 CrossRef citations to date | 0 Altmetric

Original Articles

European stock market comovement dynamics during some major financial market turmoils in the period 1997 to 2010 – a comparative DCC-GARCH and wavelet correlation analysis

Silvo Dajcman , Mejra Festic & Alenka Kavkler

Pages 1249-1256 | Published online: 02 Feb 2012

 Cite this article  <https://doi.org/10.1080/13504851.2011.619481>

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 article examines the comovement dynamics between the developed European stock markets of the United Kingdom, Germany, France and Austria. After applying a Dynamic Conditional Correlation-Generalized Autoregressive Conditional Heteroskedastic (DCC-GARCH) and wavelet multiscale analysis on a daily return series for the period 1997 to 2010, we found that (1) comovements between stock market returns are time varying and scale dependent; (2) financial crisis in the observed period did not uniformly increase comovement between stock market returns across all scales;

(3) the global financial crisis of 2007–2008 only slightly and temporarily increased the already high level of comovement between the observed stock markets.

Keywords:

DCC-GARCH

wavelet analysis

stock markets

European stock markets

comovements

JEL Classification:

G15

G11

F36

Notes

Related Research Data

[International Asset Allocation With Regime Shifts](#)

Source: Review of Financial Studies

[Wavelet Methods for Time Series Analysis](#)

Source: Unknown Repository

[The comovements in international stock markets: new evidence from Latin American emerging countries](#)

Source: Applied Economics Letters

[Theoretical and Empirical properties of Dynamic Conditional Correlation Multivariate GARCH](#)

Source: Unknown Repository

[A Multivariate Generalized Autoregressive Conditional Heteroscedasticity Model With Time-Varying Correlations](#)

Source: Journal of Business and Economic Statistics

[Does Correlation between Stock Returns Really Increase During Turbulent Period?](#)

Source: SSRN Electronic Journal

Related research 

People also read

Recommended articles

Cited by
61

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



Taylor & Francis
by informa