Applied Financial Economics ›
Volume 19, 2009 - Issue 2

Original Articles

Can macroeconomic variables explain long-term stock market movements? A comparison of the US and Japan

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Pages 111-119 | Published online: 14 Jan 2009
Cite this article https://doi.org/10.1080/09603100701748956

Abstract

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consumer price index and a long-term interest rate. These contrasting results may be

due to the slump in the Japanese economy during the 1990s and consequent liquidity trap.

Notes

[1] Chen et al. (1986) use a PVM framework to investigate the impact of systematic risk factors upon stock returns, through factor influences on future cash flows or the discount rate of those cash flows. They found that the yield spread between long- and short-term government bonds, expected inflation, unexpected inflation, industrial production growth and the yield spread between corporate high- and low-grade bonds significantly explain stock market returns.

[2] In Japan, the Nikkei fell almost 75% over the 13 years from 1990.

[3] The derivation of the PVM could easily be extended to allow a time-varying expected discount rate.

[4] See inter alia Fama (1981), Chen et al. (1986), Schwert (1990), Mukherjee and Naka (1995), Cheung and Ng (1998) and Binswanger (2004).

[5] For example, see Chen et al. (1986) and Mukherjee and Naka (1995).

[6] Full unit-root test results are available on request. Note we use the Schwarz Informat

[7] These be binding using a 0.079, which is

[8] The nts for the vect

[9] For exa rm interest rate and ector.

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