

Reexamining the relationship between ASEAN4'S stock and exchange market in the period of financial t

劉建璋、梁晉嘉

E-mail: 324870@mail.dyu.edu.tw

ABSTRACT

In this study we investigate the causal relationship between stock price and ex-change rate among ASEAN4 ' s. Data is obtained from DataStream financial database. Monthly data spanned from 2000:11 to 2010:11 are used. Because of high globalization, increasing cooperation, and the long-run convergence among the ASEAN4 ' s. We employ the panel unit root test, Mean Group (MG) and Pooled Mean Group (PMG) estimator methods of Pesaran et all (1999). The major findings are as follows: 1. There is a cointegration relationship among the variables as indicated by the negative and significant error correction terms, which implies that there is a long run relationship between stock price and exchange rate. 2. The exchange rate have short-run effects on stock price with the ASEAN4 ' s.

Keywords : stock price、 exchange rate、 panel unit root test 、 Pooled Mean Group (PMG)、 Mean Group (MG)

Table of Contents

內容目錄 中文摘要	iii	英文摘要	iii
. iv 誌謝辭		v 內容目錄	
. vi 圖目錄		vii 表目錄	
. viii 第一章 緒論	1	第一節 研究背景與動機	1
. 1 第二節 研究目的	4	第三節 研究架構與流程	4
. 5 第二章 文獻回顧	6	第一節 國、內外文獻回顧	6
. 6 第三章 研究方法	18	第一節 Panel單根檢定	18
. 18 第二節 混合均值群組與均值群組估計	24	第四章 實證結果	28
第一節 資料來源與說明	28	第二節 實證模型與建立	28
第三節 實證結果與分析	30	第五章 結論	30
. 35 參考文獻	38	圖目錄 圖 1-1研究架構與流程	38
. 5 表目錄 表 2-1國外文獻整理	13	表 2-2國內文獻整理	13
. 17 表 4-1Panel單根檢定	30	表 4-2混合均值群組、 均值群組估計& Hausma檢定	34

REFERENCES

- 一、中文部份 李雨純 (2000) , 亞州金融風暴下之國際股市動態傳導效果, 中國文化大學經濟學研究所未出版之碩士論文。 陳君達 (1999) , 台灣股市與國際股市波動相關性研究 , 淡江大學財務金融研究所未出版之碩士論文。 黃柏仁 (1999) , 股市報酬,貨幣貶值與傳遞校效果, 私立逢甲大學經濟研究所未出版之碩士論文。 蔡育迪 (2000) , 亞洲金融風暴對台灣與東南亞各國股價指數及匯率間互動影響, 企銀季刊第24卷 第二期,頁197-215。 二、英文部份 Arellano, M., and S. Bond. (1991), Some tests of speci_cation for panel data: Monte Carlo evidence and an application to employ-ment equations. *Review of Economic Studies* 58: 277-297 Eun, C. and S. Shim (1989), International Transmission of Stock Market Movements, *Journal of Financial and Quantitative Analysis*, Vol.24, June, pp.241-56 Fortune, P. (1989), An Assessment of Financial Market Volatility: Bills, Bonds, and Stocks ” , *New England Economic Review*, pp.13-28 Francis, Bill B. and Lori L. Leachman, (1998), Superexogeneity and the dynamic linkages among international equity markets, *Journal of International Money and Finance*, Vol 17, NO.1, pp 475-492. Graham, Michael, Jussi Nikkinen, and Petri Sahlstrom (2003) , Relative Importance of Scheduled Macroeconomic News for Stock Market Investors , *Journal of Economis and Finance*, Vol 27, pp153-165. Im, K.S., Pesaran, M.H., and Shin, Y. (2003), Testing for Unit Roots in Heterogeneous Panels. *Journal of Econometrics* 115, 53-74 Jeong, J. G. (2000), What dreves Exchange Rates: The Case of the Yen/dollar Rate, *Multinational Business Review*, Vol. 8, No.3, pp. 31-36. Levin, A., Lin C.F. and Chu J. (2002), Unit root in panel data: Asymptotic and finite-sample Properties, *Journal of Econome-trics*, Vol. 108, NO.1, pp 1-24. Macdonald, R. and Taylor, M. P. (1991), The Monetary approach to the Exchange Rate:Long-Run Relationships and Coefficient Restrictions, *Economics Letters* ,Vol. 37, No.3, pp. 179-185. Nasseh, Alireza and Jack Strauss, (2000), Stock prices and domestic and international macroeconomic activity: A cointegration ap-proach,

Quarterly Review of Economics and Finance, 40(2), Summer, 229-245
Masih, A. M. M. and R. Masih. (1997), Dynamic Linkages and the Propagation Mechanism Driving Major International Stock Markets: An Analysis of Pre-and Post-Crash Eras, The Quarterly Review of Economics and Finance, pp. 859~885.
Nikkinen, Jussi, and Petri Sahlstrom, (2001) , Impact of Scheduled U.S. Macroeconomic News on Stock Market Uncertainty: A Multinational Perspective. Multinational Finance Journal , Vol 5 , pp. 129-148.
Pesaran, M. H., and R. P. Smith. (1995), Estimating long-run relationships from dynamic heterogeneous panels. Journal of Econometrics 68: 79-113
Pesaran, M. H., Y. Shin, and R. P. Smith. (1997), Estimating long-run relationships in dynamic heterogeneous panels. DAE Working Papers Amalgamated Series 9721.
Pesaran, M. H., Y. Shin, and R. P. Smith. (1999), Pooled mean group estimation of dynamic heterogeneous panels. Journal of the American Statistical Association 94: 621-634.
Phillips, P. C. B., and H. R. Moon. (2000), Nonstationary panel data analysis: An overview of some recent developments. Econometric Reviews 19: 263-286.
Schwert, G. W. (1989), Why does stock market volatility change over time? , Journal of Finance, Vol.44, pp. 1115-53
Schwert, G. W. (1989), Margin requirements and stock volatility, Journal of Finance Services Research, pp. 153-64
Sill, D. Keith (1993), Predicting stock-market volatility, Business Review-Federal Reserve Bank of Philadelphia, 15-27.