

The Impact of Subprime Crisis on the Dependence between Stock Market and Foreign Exchange Market : 亞

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ABSTRACT

This paper empirically tests the impact of subprime crisis on the dependence between stock market and foreign exchange market in Taiwan, China, Hong Kong, Singapore, Japan and South Korea. The results from the comparison among the three sub-periods are as follows: (1) the boundary co-integration test shows that, Taiwan in the post-crisis, China in the pre-crisis and mid-crisis, and Japan in the post-crisis, have the existing of the long-run equilibrium relationship for both markets, the rest are no co-integration relationship exists.(2) the granger causality test shows that, Taiwan in the pre-crisis and post-crisis, Japan in the mid-crisis and post-crisis, have the existing of the short-run causal relationship for both markets. Singapore and South Korea, no matter what period, have the existing of the short-run causal relationship for both markets. China and Hong Kong, no matter what period do not exist in the short-run causal relationship.

Keywords : stock price、foreign exchange rate、boundary co-integration、Granger causality

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REFERENCES

- 一、中文部份 方文碩(2000), 通貨貶值對股市報酬與波動的衝擊·亞洲四小龍實證研究, 亞太管理評論, 5(4), 451-465。 方文碩, 田志遠(2001), 匯率貶值對股票市場的衝擊 - 雙變量GARCH-M模型, 臺灣金融財務季刊, 2(3), 99-117。 方文碩, 王冠閔, 董澍琦(2006), 亞洲金融危機期間股票市場的蔓延效果, 管理評論, 25(2), 61-82。 方彥茂(2009), 臺灣股匯市關係之分量迴歸分析, 成功大學財務金融研究所學位論文。 王冠閔, 黃柏農(2004), 臺灣股、匯市與美國股市關聯性探討, 臺灣經濟預測與政策, 中央研究院經濟研究所, 34(2), 31-72。 朱明偉(2006), 股價與匯率之非線性關係研究 台灣、日本和韓國實證, 淡江大學財務金融學系碩士在職專班未出版碩士論文。 林建龍(2009), 資本流動與股匯市之互動關係-以亞洲開發中國家為例, 成功大學財務金融研究所學位論文。 陳昭穆(2007), 東南亞金融風暴前後東協五國股市與匯率、利率以及貨幣供給之互動關係, 臺灣大學國際企業學研究所學位論文。 郭彥菁(2009), 美國次級房貸風暴對台灣股匯市相關性之影響, 真理大學管理科學研究所碩士論文。 游慧雯(2005), 臺灣股匯市與美國及日本股市之關聯性研究, 國立成功大學碩士論文。 楊景惠(2003), 金融風暴的狙擊對美國與東亞各國股匯市之長短期連動關係之研究, 成功大學高階管理碩士在職專班碩士論文。 楊?絹(2010), 國際資本移動和總體經濟對股匯市關聯性之研究-以亞洲新興國家為例, 成功大學財務金融研究所學位論文。 聶建中, 李文傳, 洪榆雲(2004), 金融風暴前後對先進國家之股匯市運動關係變化影響, 中華管理學報, 5(2), 19-35。 二、英文部分 Abdalla, I. S. A. & Murinde, V. (1997). Exchange rate and stock price interactions in emerging financial markets: evidence on India, Korea, Pakistan and the Philippines, Applied Financial Eco-nomics, 7, 25-35. Aggarwal, R. (1981). Exchange rate and stock prices: a study of the US capital markets under floating exchange rates, Akron Business and Economic Review, 12, 7-12. Ajayi, R. A. & M. Mougoue. (1996). On the dynamic relation between stock prices and exchange rates, Journal of Finance Research, 2, 193-207. Aquino R. Q. (2005). Exchange rate risk and Philippine stock returns: before and after the Asian financial crisis, Applied Financial Economics, 15, 765-771. Caporale, G.M., Pittis, N. & N. Spagnolo. (2002). Testing for causal-ity-in-variance: an application to the East Asian Markets, International Journal of Finance and Economics, 7, 235-245. Dickey, D. & W. A. Fuller (1979) . Distribution of the estimators for autoregressive time series with a unit root, Journal of the American Statistical Association, 74, 427-431. Engle, R. F. & C. W. J. Granger. (1987). Co-integration and error correction: representation, estimation and testing, Econometrica, 55, 251-276. F. Beer & F. Hebein. (2008). An assessment of the stock market and exchange rate dynamics in industrialized

and emerging markets, International Business & Economics Research Journal, 7(8), 59-70 Granger, C. W. J., B. Huang. & C. W. Yang. (2000). Bivariate causal-ity between stock prices and exchange rates: evidence from re-cent Asian flu, Quarterly Review of Economics and Finance, 40, 337-354. Granger, C. & P. Newbold (1974). Spurious regressions in economet-rics, Journal of Econometrics, 2, 111-120. Hsu Ku, Y. H. (2008). Student-t distribution based var-mgarch: an ap-plication of the dcc model on international portfolio risk man-agement, Applied Economics, 40, 1685-1697. Johansen, S. (1988). Statistical analysis of cointegration vectors, Journal of Economic Dynamics and Control, 12, 231-254. Johansen, S. (1994). The role of the constant and linear terms in coin-tegration analysis of nonstationary variables, Econometric Re-views, 13, 205-229. Johansen, S. & K. Juselius. (1990). Maximum likelihood estimation and inferences on cointegration--with application to the demand for money, Oxford Bulletin of Economics and Statistics, 52, 169-210. Kanas, A. (2000). Volatility spillovers between stock returns and ex-change rate changes :international evidence, Journal of Business Finance & Accounting, 27, 447-467. Kanas, A. (2002). Is exchange rate volatility influence by stock return volatility? evidence from the US, the UK and Japan, Applied Economics Letters, 1-3, preview article. Krueger, A. O.(1983). Exchange-rate determination, Cambridge: Cambridge University Press. Krugman, P. R. & M. Obstfeld (1997). International Economics: Theory and policy, (4th ed.). Reading: Addison-Wesley Inc. Ma, C. K. & G. W. Kao. (1990). On exchange rate changes and stock price reactions, Jouranl of Business Finance and Accounting, 11, 441-449. Nieh, C. C. & C. F. Lee. (2001). Dynamic relationship between stock prices and exchange rates for G-7 countries, The Quarterly Re-view of Economics and Finance, 41, 477-490. Pesaran, M. H., Y. Shin & R. J. Smith (2001). Bounds testing ap-proaches to the analysis of level relationships, Journal of Ap-plied Econometrics, 16, 289-326. Phylaktis, K. & F. Ravazzolo. (2005). Stock prices and exchange rate dynamics, Journal of International Money and Finance, 24, 1031-1053. Raymond Donnelly & Edward Sheehy. (1996). The share price reac-tion of U.K. exporters to exchange rate movements: an empiri-cal study, Journal of International Business Studies, 20(1), 157-165. Shamsuddin, A. F. M. & J. H. Kim (2003). Integration and interde-pendence of stock and foreign exchange markets: an Australian perspective, Journal of International Financial Markets, Insti-tutions & Money, 13, 237-254. Vygodina & Anna.V. (2006). Effects of size and international expo-sure of the US firms on the relationship between stock prices and exchange rates, Global Finance Journal, 17(2), 214-223.