The Dynamic Interactions between Business Cycle and Stock Market

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ABSTRACT

The thesis aims to examine the interactive correlation of the business cycle and the stock market, utilizing the industrial productivity index as the business cycle's substitutive variable, data frequency being the monthly data, the data period of January, 1996 to February, 2006, and the percentage restriction in 2001, 's deregulation of foreign capital investing in the stocks as the time dividing point to analyze the interactive correlation of the business cycle and the stock market, before, after and throughout the entire period following deregulating foreign capital to invest in the stock market. The following findings have been derived: 1. The overall period: the stock market tends to brace toward a long-term equilibrium adjustment, in which the previous 1st, 2nd, 3rd and 4th periods ' business cycles are consistently found to negatively impact the current period 's business cycle, while the previous four periods ' stock markets are found to positively influence the current period 's business cycle. The previous period 's stock market is found to positively influence the stock market. A two-way causality is found to exist between the business cycle and the stock market. 2. Before deregulating the percentage of foreign capital investing in stocks, the stock market tends to brace toward a long-term equilibrium adjustment, in which the previous period 's business cycle is consistently found to negatively impact the current period 's business cycle, while the previous period 's stock market is found to positively influence the current period 's stock market. No causality is found to exist between the business cycle and the stock market. 3. After deregulating the percentage of foreign capital investing in stocks, the business cycle tends to brace toward a long-term equilibrium adjustment, in which the previous period 's business cycle is consistently found to negatively impact the current period's business cycle, while the previous 1st and 2nd periods' business cycles are found to negatively influence the current period 's stock market, and the previous period 's stock market is found to have a positive influence on current period's of stock market. A one-way causality is found to exist between the business cycle and the stock market, while no causality is found between the stock market and the business cycle.

Keywords: business cycle, stock market, cointegration Analysis, error correction model, causality test

Table of Contents

封面內頁 簽名頁 授權書		iii 中文摘要
iv 英文摘要		v 誌謝
vii 目錄		viii 圖目錄
x 表目	録	xi 第一章 緒論
	1 第二章 相關理論及文獻	6 第一節 股票市
場是否會影響景氣循環6	第二節 景氣循環是否會影響股票市	5場10 第三章 實證方法
	第一節 單根檢定	16 第二節 共整合檢定
18 第三節 誤差	修正模型	19 第四節 Granger因果關係檢定
20 第四章 實證結果與分標	析	23 第一節 變數資料選取與資料來源及處理
23 第二節 單根檢定	30 第三	E節 共整合檢定
35 第四節 誤差修正模型	38 第五節 Grang	er因果關係檢定47 第
五章 結論	52 第一節 研究結詞	淪52 參考
文獻	55	

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