Contents

	Page
บทคัดย่อ	(3)
Abstract	(4)
Acknowledgements	(5)
Contents	(6)
List of Tables	(8)
List of Figures	(9)
Chapter	
1 Introduction	1
Economic Indicators	2
Background	7
Objectives	10
Research Questions	10
Review of Literatures	10
2 Methodology	12
Data Selection and Source of Data	12
Data Structure	12
Statistical Methods	13
3 Preliminary Results	22
Histograms and Comparison based on Numerical Summaries	22
Comparison the Pattern of Economic Indicators	24
Comparison the Economic Indicators between Thailand and Malaysia	31

	Page
4 Time Series Analysis	34
Time Series Analysis of Economic Indicators in Thailand	35
Time Series Analysis of Economic Indicators in Malaysia	41
Summary	46
5 Conclusion and Discussion	
Conclusion	50
Discussion	51
Limitation	52
Further Study	52
Bibliography	53
Appendix	55
Vitae	. 60

List of Tables

Table	Page
3.1 Two-sample t-statistic and p-value for the economic indicators	33
4.1 Noise parameters and r-squared of economic indicators	49

List of Figures

Figure		Page
2.1	Relationships between tables in database	13
3.1	Histograms & statistics, Thai economic indicators	23
3.2	Histograms & statistics, Malaysia economic indicators	23
3.3	The value of exports and imports for each month	26
3.4	The average values of exports and imports for each year	26
3.5	Trade balance, monthly data	27
3.6	Trade balance, yearly averages	27
3.7	International reserves, monthly data	28
3.8	International reserves, yearly averages	28
3.9	Money supply, monthly data	29
3.10	Money supply, yearly averages	29
3.11	Economic growth, monthly data	30
3.12	Economic growth, yearly averages	30
3.13	Histograms & statistics of economic indicators	
	from Thailand and Malaysia	31
3.14	Histograms & statistics of transformed data using logarithms	31
3.15	Box plots and 95% confidence intervals of economic indicators	32
4.1	Time series of economic growth of Thailand	35
4.2	Time series of log2 (international reserves) of Thailand	36
4.3	Time series of log2 (money supply) of Thailand	37
4.4	Time series of log2 (exports) of Thailand	38
4.5	Time series of log2 (imports) of Thailand	39

		Page
4.6	Time series of trade balance of Thailand	40
4.7	Time series of economic growth of Malaysia	41
4.8	Time series of log2 (international reserves) of Malaysia	42
4.9	Time series of log2 (money supply) of Malaysia	43
4.10	Time series of log2 (exports) of Malaysia	44
4.11	Time series of log2 (imports) of Malaysia	45
4.12	Time series of trade balance of Malaysia	46
4.13	Fitted economic indicators pattern	47