

**IMPACT OF FLUCTUATIONS IN GLOBAL CRUDE OIL
PRICES ON ECONOMY OF SRI LANKA WITH A SPECIAL
REFERENCE TO TOURISM AND AGRICULTURAL SECTORS**

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DECLARATION

I declare that this is my own work and this thesis/dissertation does not incorporate without acknowledgement any material previously submitted for a degree or diploma in any other University or Institute of higher learning and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgement is made in the text. I retain the right to use this content in whole or part in future works (such as articles or books).

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The above candidate has carried out research for the Master's thesis/dissertation under my supervision. I confirm that the declaration made above by the student is true and correct.

Name of Supervisor: Dr. Samanthi Mathugama

Signature of the Supervisor:

Date:

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ABSTRACT

This research is to focus on the complicated relationship between the economy of Sri Lanka and the price variability of crude oil on a global scale, including tourism and agriculture sectors by itself. This study is carried out using the secondary data from annual reports since 1984 till 2023. The results analyzed by econometric analysis, which is conducted using data as an input in EVIEWS and SPSS, aim at ascertaining the dimension of oil price volatility's impact on these sectors. The results demonstrate that, along with the oil price volatility, there is a strong connection between the contribution of agriculture to GDP and Tourism sector revenue.

ARMA models for both sectors yielded notably intriguing insights. Autoregressive relation in both agriculture and Tourism Sectors have highlighted the instinct connection of current level with the previous ones. Autoregressive relation in Tourism Sector has stressed the level of future final sales depends on the level of profit earned in the past. Agricultural trend analysis displays declining trend despite the one significant role it has in the economy. For that contrast, tourism revenues' foreseen trend shows in increasing trend over the years and the volatilities can be assigned to uncontrollable, external factors such as war, COVID-19 pandemic etc.

In brief, this study argues that global crude oil price fluctuations, in a way, either harm or help the economy of Sri Lanka depending on the conditions. While the agricultural sector needs strategic planning and resilience measures under increasing oil prices, the tourism sector is inherently stable and risk absorbing.

Key words: Agricultural Sectors, Crude Oil Prices, Economy, Tourism

TABLE OF CONTENTS

DECLARATION	i
ACKNOWLEDGEMENT	ii
ABSTRACT.....	iii
TABLE OF CONTENTS.....	iv
LIST OF TABLES	vii
LIST OF FIGURES	viii
LIST OF ABBREVIATIONS	ix
1. CHAPTER ONE: INTRODUCTION	1
1.1 Introduction to Study	1
1.2 Background	2
1.3 Significance of the Study	3
1.4 Objectives.....	5
1.5 Variables of the Study	5
1.6 Limitations of the research.....	6
1.7 Outline of the Dissertation	6
2. CHAPTER TWO: LITERATURE REVIEW	8
2.1 Chapter overview	8
2.2 Theoretical Framework	8
2.2.1 The Theory of Economic Transmission Channels	8
2.3 Fluctuations in crude oil prices and Global Economy	10
2.4 Impact of crude oil price fluctuations on Sri Lankan tourism	10
2.5 Impact of crude oil price fluctuations on Sri Lankan agriculture	11
2.6 Statistical model fitting: Dependency on crude oil prices	12
2.6.1 Conceptual Framework	13
2.6.2 Variables of the Study	14
2.7 Summary	15

3.	CHAPTER THREE: METHODOLOGY	17
3.1	Research Design.....	17
3.1.1	Research Type.....	17
3.1.2	Research Strategy.....	17
3.1.3	Time Horizon	17
3.2	Data Collection.....	18
3.2.1	Primary or secondary	18
3.2.2	Data Sources.....	18
3.2.3	Data description	18
3.3	Data Analysis methods.....	19
3.3.1	Descriptive Statistics.....	19
3.3.2	Simple Linear Regression	20
3.3.3	Univariate Time series analysis	23
4.	CHAPTER FOUR: DATA ANALYSIS AND DISCUSSION.....	28
4.1	Graphical representation	28
4.1.1	Average crude oil closing prices (\$)	28
4.1.2	Agriculture sector contribution to Sri Lankan GDP (%)	28
4.1.3	Revenue of Sri Lankan tourism sector (\$ B).....	29
4.1.4	Agriculture sector GDP Contribution with Brent prices.....	30
4.1.5	Tourism sector revenue with Brent prices	31
4.1.6	Agriculture sector Contribution & Tourism revenue with oil price... 31	
4.2	Descriptive statistics.....	32
4.3	Dependency on tourism and agricultural industries on crude oil prices	33
4.3.1	Correlation analysis.....	33
4.4	Regression Modelling	34
4.4.1	Ordinary Least Squares (OLS).....	34
4.5	Time series analysis	38

4.5.1	Univariate Time Series.....	38
4.5.2	Time series model fitting and validation.....	38
5.	CHAPTER FIVE: CONCLUSION AND RECOMMENDATIONS	45
5.1	Summary of Main findings	45
5.2	Conclusion	46
5.3	Recommendations	46
5.4	Implications.....	47
5.5	Future Research Area	48
6.	REFERENCES.....	50

LIST OF TABLES

Table 2.1 Proxy Variables and their operationalization.....	14
Table 4.1 Descriptive statistics	32
Table 4.2 Correlation analysis.....	33
Table 4.3 Regression model Summary for agricultural sector contribution to GDP and Brent average closing price	34
Table 4.4Table 4.4Regression model Summary for LN tourism and LN Brent average closing price	36
Table 4.5 Augmented Dickey-Fuller test	38
Table 4.6 Possible ARIMA models	39
Table 4.7 Residual diagnostic tests	39
Table 4.8 Possible ARIMA models	42
Table 4.9 Residual diagnostic tests	42

LIST OF FIGURES

Figure 1-1 Tourist arrivals by purpose.....	2
Figure 2-1 The Theory of Economic Transmission Channels	8
Figure 2-2 Conceptual Framework	13
Figure 4-1 Average crude oil closing price (1984-2023) (\$)	28
Figure 4-2 Agriculture sector contribution to Sri Lankan GDP (1984-2023) (%).....	29
Figure 4-3 Revenue of Sri Lankan tourism sector (1984-2023) (\$ B).....	29
Figure 4-4 Agriculture sector GDP Contribution with closing price (1984-2023)....	30
Figure 4-5 Tourism sector revenue with closing prices (1984-2023).....	31
Figure 4-6 Agriculture sector GDP Contribution & Tourism revenue with closing price	32
Figure 4-7 Histogram of the residuals.....	35
Figure 4-8 Scatterplot of the residuals	36
Figure 4-9 Histogram of the residuals.....	37
Figure 4-10 Scatterplot of the residuals	37
Figure 4-11 Correlograms for agriculture sector % contribution to GDP	38
Figure 4-12 Correlogram of residuals	40
Figure 4-13 AR and MA roots	40
Figure 4-14 actual vs Fitted model.....	41
Figure 4-15 Correlograms for tourism sector revenue	41
Figure 4-16 Correlogram of residuals	43
Figure 4-17 AR and MA roots	44
Figure 4-18 Actual Vs Fitted model	44

LIST OF ABBREVIATIONS

SL - Sri Lanka

GDP - Gross Domestic Product

EViews - Econometric Views (Statistical Software)

SPSS - Statistical Package for the Social Sciences (Statistical Software)

ARMA - Auto Regressive Moving Average

SD - Standard Deviation