

# **Capital Right, Unemployment And Economic Growth In Nigeria (1980-2013)**

**TOLUJU Stephen Oluwole**

**B.Sc. (Economics), Iwo**

**SSP12/13/ H0789**

**A Research Thesis Submitted to the Department of Economics,  
Faculty of Social Sciences**

**In Partial Fulfilment of the Requirements for the Award of the  
Degree of Master of Science (M.Sc.) in Economics of the Obafemi  
Awolowo University, Ile-Ife, Nigeria**

**2016**

**CERTIFICATION**

I certify that this research study was conducted by TOLU U Stephen Ouwole, under my supervision in the Department of Economics, Obafemi Awolowo University, Ile-Ife, Nigeria.

.....  
Dr. T. P. Ogun  
(Supervisor)  
Department of Economics,  
Obafemi Awolowo University,  
Ile-Ife, Nigeria

.....  
Date

.....  
Prof. P. A. Oomla  
(Head)  
Department of Economics,  
Obafemi Awolowo University,  
Ile-Ife, Nigeria

.....  
Date

**AUTHORIZATION TO COPY****OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE, NIGERIA****HEZEKIAH OLUWASANMI LIBRARY****POSTGRADUATE THESIS****AUTHOR:** TOLUO Stephen Oluwole**TITLE:** Capital Flight, Unemployment and Economic Growth in Nigeria (1980-2013)**DEGREE:** Master of Science (Economics)**YEAR:** 2016

I, TOLUO Stephen Oluwole, hereby authorize the Hezekiah Oluwasanmi Library, Obafemi Awolowo University, Ile-Ife, Nigeria to copy my thesis in whole or in part, in response to requests from individuals or organizations for the purpose of private study or research

---

**Signature**

---

**Date**

## **DEDICATION**

This thesis is dedicated to God Almighty for His Exceeding Grace, Favour and Strength throughout the course of this study.

## ACKNOWLEDGEMENTS

I give God all the glory and thanks for his exceeding grace, favour, strength and insight throughout the course of this study. My profound gratitude also goes to my able supervisor Dr. T. P. Ogun who stood like a father for me, his intellectual guidance helped a long way to ensure the timely presentation of this thesis, God bless you sir. Also to the Head of Department; Prof. P. A. Oomla for his encouragement, and motivation throughout the programme, may the Almighty God bless you real good sir.

Similarly, my sincere gratitude goes to all the members of staff in the department most especially Prof. S. I. Oadeji, Prof. Akinlo, Prof. A. A. Adebayo, Dr. T. O. Akinbobola, Dr. B. A. Folorunso, Dr. R. A. Ajisafe, Dr. R. O. Olayeni, Dr. (Ms) Oisadare, Dr. Olayungbo, M. Adejumo, Dr. Adegbeye, Dr. Adedokun, M. Apanisile, M. Oagbaju and M. Sanusi and other lecturers in the department. I thank you for your useful contributions.

To my immediate nuclear family, the family of Elder J. O. Toluj, I thank you all for the encouragements and love, the financial support, as well as the moral support. For the calls of reminder from my mum to ensure I finish up my project on time, my sisters (Ronke and Deborah) encouragements through calls, and funny multi-media pictures, I am grateful. My dad's stern voice of reminder not to give up, I am grateful. Also to the entire extended family, I am grateful for all your encouragements, prayers and support in diverse form you all stood as a beacon of hope, I love you all.

To Lola Shoneyin a prolific writer who gave me employment when the Association of Academic Senior Staff Union (AASSU) embarked on the historic 7 months strike in the year 2013, am grateful, you did not allow the despair from the prolonged industrial strike action to get at me. I am also thankful to you for opening up my hidden poems and stories to the world

To my immediate boss in Nigeria Breweries PLC (Isaac Ogun) my place of employment, who made it possible for me to combine work and studies together am grateful, am also grateful to my colleagues (Ifeyanji Obun, Abida Obelawo, and Abida Lawal) who fended for me in days of absence from work

Finally to all the friends I made and met in OAU Ife, Tope Anubi, Tayo Akoni, Tola Adenipekun, Femi, Kayode Odetade, John Aratunde, Jolade Odunade, Lekan Oyeleye, Faith Robinson and Tope Dada, I am grateful, also to anyone whose name I have skipped, you are all important and I appreciate your presence in my life, by God's grace we shall all experience better days ahead in good health

Toluju Stephen Ouwol



<b>TABLE OF CONTENTS</b>	<b>PAGES</b>
Title page	i
Certification	ii
Authorization	iii
Dedication	iv
Acknowledgements	v
Table of Contents	vii
List of Tables	xi
List of Figures	xii
Abstract	xiii
 <b>CHAPTER ONE: INTRODUCTION</b>	
1.1 Background to the Study	1
1.2 Statement of the Research Problem	3
1.3 Research Questions	5
1.4 Objectives of the Study	6
1.5 Justification of the Study	6

1.6	Scope of the Study	7
1.7	Organization of the Study	7

## **CHAPTER TWO LITERATURE REVIEW**

2.0	Review of Theoretical Literature	9
2.1	Theories of Capital Flight	9
2.1.1	The Investment Diversion Theory	9
2.1.2	The Debt Driven Capital Flight Theory	10
2.1.3	The Tax-Depressing Theory	10
2.1.4	The Austerity Theory	11
2.1.5	Methods of Measuring Capital Flight	11
2.2	Theories of Unemployment	14
2.2.1	Classical Theory of Unemployment	14
2.2.2	Keynesian Theory of Unemployment	15
2.2.3	Okun's Law	15
2.3	Theories of Economic Growth	16





2.3.1	Neoclassical Growth Theory	16
2.3.2	Augmented Solow Model	17
2.3.3	Endogenous Growth Theory	17
2.4	Empirical Literature	18
2.4.1	Empirical Evidences from Developed Countries	18
2.4.2	Empirical Evidences from Developing Countries	21
2.4.3	Evidences from Nigeria	25
2.5	Gap in the Literature	29
<b>CHAPTER THREE: METHODOLOGY</b>		
3.1	Theoretical Framework	30
3.2	Model Specification	32
3.3	Model Specification on the Impact of Capital Flight on Unemployment and the Relationship between Capital flight and Economic Growth	33
3.4	Measurement of Variables and Source of Data	34
3.5	Estimation Techniques	36
3.5.1	Unit Root Test	36
3.5.2	Cointegration Test	37

3.5.3	Lag Selection Criteria	38
-------	------------------------	----

3.5.4	Vector Autoregressive	38
-------	-----------------------	----

## **CHAPTER FOUR: DATA ANALYSIS AND DISCUSSION OF RESULTS**

4.1	Descriptive Statistic	39
-----	-----------------------	----

4.2	Trend Analysis of Capital Flight, Unemployment and Economic growth in Nigeria	43
-----	--	----

4.2.1	Trend of Capital Flight in Nigeria	43
-------	------------------------------------	----

4.2.2	Trend of Unemployment Rate in Nigeria	46
-------	---------------------------------------	----

4.2.3	Trend of Economic Growth in Nigeria	50
-------	-------------------------------------	----

4.3	Time Series Properties of Data	53
-----	--------------------------------	----

4.3.1	Unit Root Test	53
-------	----------------	----

4.3.2	Cointegration Tests	55
-------	---------------------	----

4.3.3	Lag Length Selection Criteria	57
-------	-------------------------------	----

4.4.1	Effect of Capital Flight on Unemployment In Nigeria	59
-------	---	----

4.4.2	Effect of Capital Flight on Economic growth in Nigeria	62
-------	--	----

4.5	Determining the Channel through which Capital Flight and Unemployment affect Economic Growth in Nigeria 1980 to 2013	65
-----	---	----

**CHAPTER FIVE: SUMMARY, CONCLUSION AND RECOMMENDATIONS**

5.1	Summary	71
5.2	Conclusion	74
5.3	Recommendations	74
5.4	Contribution to Knowledge	76
5.5	Limitation of the Study	76
<b>REFERENCES</b>		<b>77</b>

**LIST OF TABLES**

Table 3.1:	Measurement of Variables and Source of Data	34
Table 4.1:	Descriptive Statistics	42
Table 4.2:	Unit Root Tests	54
Table 4.3:	Cointegration Test	56
Table 4.4:	Lag Length Selection Criteria	58
Table 4.5:	Effect of Capital Height of Unemployment	61
Table 4.6:	Effect of capital Height on Economic Growth	64
Table 4.7:	Impulse Response Function	67
Table 4.8:	Variance Decomposition	71

**LIST OF FIGURES**

Figure 4.1:	Trend of Capital Flight in Nigeria	44
Figure 4.2:	Growth Rate of Capital Flight	45
Figure 4.3:	Trend of Unemployment Rate in Nigeria	48
Figure 4.4:	Growth Rate of Unemployment	49
Figure 4.5:	Trend of Economic Growth	51
Figure 4.6:	Growth Rate of Economic Growth	52
Figure 4.7:	Impulse Response Graph	68

## ABSTRACT

The study analyses the trend of capital outflow, unemployment and economic growth in Nigeria; and investigated the impact of capital flight on unemployment in Nigeria. It also analyses the relationship between capital flight and economic growth in Nigeria. These were with the view to determining the relationship among capital flight, unemployment and economic growth in Nigeria for the period 1980 to 2013.

Secondary data were used for the study. Annual data on gross domestic product, capital flight, unemployment, exchange rate and interest rate covering the period from 1980 to 2013 were sourced from the World Development Indicators (WDI) of World Bank. Data collected were analysed using descriptive statistics such as charts, tables and graphs; and econometrics techniques of vector auto-regression (VAR) and autoregressive distributed lag (ARDL) model.

The result shows that capital flight represented by outflows which shows a higher figure of ₦8 billion, ₦9 billion, ₦10 billion and ₦13 billion in 1998, 1990, 1993 and 2000 respectively, while there was drops in capital outflow in 2003, 2004, 2005, 2006 and 2007 which stood at ₦4.7 billion, ₦1.6 billion, ₦2 billion, ₦2.6 billion and ₦3.3 billion respectively. Similarly, from the trend of unemployment rate, it was revealed that unemployment rate increases as the population increases. The appraisal of economic growth shows that economic growth proxy by gross domestic product in Nigeria has witnessed an upward growth since 1980. In 1986, output growth recorded the least value of 1.8% due to SAP, output grew to 49% and 54% in 1987 and 1989 respectively immediately after SAP. The estimates reveals that capital flight had a significant and positive effect on unemployment ( $t = 2.6$ ,  $p < 0.05$ ). Similarly, exchange rate had a positive and significant effect on unemployment ( $t = 3.35$ ,  $p < 0.05$ ). On the other hand, the

study found that capital flight had a negative and significant effect on economic growth ( $t = -6.7$ ,  $p < 0.05$ ). Furthermore, unemployment had a negative effect on economic growth in Nigeria ( $t = -4.9$ ,  $p < 0.05$ ). Also, exchange had a negative and significant effect on economic growth in Nigeria ( $t = -3.3$ ,  $p < 0.05$ ).

The study concluded that capital flight and unemployment reduces economic growth in Nigeria.

## **CHAPTER ONE**

### **INTRODUCTION**

#### **1.1 Background to the Study**

Capital flight according to Schneider (2003) is the outflows of resident capital or resources which are motivated by economic and political uncertainties in the home country. Similarly, World Bank (1985) opines that capital flight is the change in a nation's foreign assets. Economic theory suggests that capital flight phenomenon is driven both by private actors and public authorities (Ndikumana and Boyce, 2003, 2008 and 2011b; Ajayi, 2007; Ndiaye, 2009a and 2014). The process of unrecorded accumulation of foreign assets by the private sector is referred to as "capital flight" which, especially after the debt crisis of the 1980s, has come to be viewed as one of the major economic problems in many developing countries. Microeconomic uncertainty, political and institutional instability, less developed financial system and higher rate of return differentials abroad are some of the factors that affect capital flight by private actors. These factors lead to increasing risks of losses in the real value of domestic assets of private agents, forcing them to shift their portfolio in favour of foreign assets. Similarly, public authorities can also contribute to capital flight under conditions of poor governance and bad institutional quality. In such a situation, corrupt public authorities take advantage of their favourable position to amass a personal wealth abroad (Boyce and Ndikumana, 2001). As these resources held overseas are domestic public resources, capital flight operated by public authorities' leads to a reduction in public resources, thereby causing a reduction in public investment, and increasing unemployment rate in these countries.

In recent times, capital flight from Latin America and African countries has been put at the forefront of the development policy debate. Furthermore, considerable attention has been



drawn to the extent to which capital flight has a detrimental impact on economic development of African countries especially Nigeria which has the highest capital outflow in Africa (United Nations Development Programme UNDP, 2011). The poor performance of the economy and the persistent negative trade balance recorded in most developing countries have been attributed to capital flight which has a direct link to unemployment in these countries (Ajayi, 1995). Indeed, the increasing levels of capital flight pose serious challenges for domestic resource mobilization in support of investment and growth in Africa (Fofack & Ndikumana, 2010). Inadequate financial resources for appropriate economic development has pushed most African countries including Nigeria into external borrowing to augment domestic resources in their quest for reduction in unemployment and increase in economic growth. Acquisition of foreign assets by residents has escalated even as developing countries search for external borrowing to boost capital inflow into the country.

International capital movements have grown in Nigeria since financial deregulation of the 1980s by African countries and the adoption of the Structural Adjustment Programme (SAP). Obiechina (2010) observed that the abrogation and subsequent entrenchment of certain laws of investment as well as the introduction of structural reforms facilitated the substantial flow of capital. Various macroeconomic policies by Nigerian government have been unable to achieve sustained price stability, reduction in unemployment and sustained growth. The fluctuations in the economy have confirmed the need to manage the economy effectively. The essence of macroeconomic management underlines the rationale of the government as a vital economic agent. However, it appears that government intervention has not been able to curb the increasing trend of capital flight that affects unemployment in the economy.

## **1.2 Statement of Research Problem**

In Nigeria, one of the unresolved and perturbing macroeconomic problems for the past three decades is the growing rate of capital flight and increasing unemployment, and the global financial crisis in 2008 and its generated problem of massive movement of funds out of the country. Statistics from the International Monetary Fund (IMF, 1996) showed that Nigeria suffered a deficit of \$7,573 million between 1972 and 1989 to capital flight. Out of this total capital flight, the sum of US\$7,362 million was lost between 1972 and 1978 against a capital inflow of \$270 million within the same period. Corroborating this, International Financial Corporation in 1998 observed that Nigeria is among many African economies that have achieved significant lower investment levels as a result of capital flight. Such low level investment brought about by high rate of capital flight in Nigeria also has multiplier consequences on other aspect of the economy. These negative multiplier effects on Nigerian economy includes among others the alarming rate of unemployment as well as pronounced regressive effects on the distribution of wealth in Nigeria. In another related study carried out by United Nations Conference on Trade and Development (UNCTAD) in 2007, their report shows that around \$13 billion per year have left the African continent in term of capital outflow between 1991 and 2004. This represents a large chunk of African continent total income, with Nigeria having the highest percentage of the total share. Furthermore, the total stock of illicit outflows from Nigeria between 2002 and 2011 was put at \$142,274 million (Global Financial Integrity, 2013). In 2008, over \$20 billion left the country as a result of capital flight. Capital flight has been regarded as one of the major factors contributing to the rising foreign debt and retarding development efforts of the economies of the third world countries. In addition to the

continued increase in capital flight, Nigeria's unemployment rate increased to 23.9 percent in 2011 compared with 21.1

OBAFEMI AWOLOWO UNIVERSITY