Contraction in Economic Activities and Government Expenditure in Nigeria: An Asymmetric ARDL Approach

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Abstract: The main focus of this study is to investigate the impact of contraction in economic growth on government expenditure in Nigeria covering the periods 1970 to 2013. Gross Domestic Product (GDP) was used as a proxy for economic growth, and the GDP time series was decomposed using the partial sum approach in order to achieve asymmetry in the variable. The asymmetric ARDL estimation technique was appropriately employed in this study. The findings of this study revealed that contraction in economic growth has significant impact on government expenditure in Nigeria. The study further provided evidence of short-run causality from depression in economic growth to government expenditure in Nigeria but could not support any evidence of long-run causality.

Keywords: Economic growth, Government expenditure, Asymmetric ARDL, long-run causality and Short-run Causality.

1. Background to the Study

The level of economic activities in an economy determines to great extent government expenditure in that economy. A growing and stimulated economy will cause increase in demand for all factors of production and subsequently increase in total output causing increase in government revenue and subsequently increase in government expenditure, as income generated through taxes and government direct investments are expended by the government in meeting the increasing need of infrastructure and social overheads. On the other hand, a depressed economic activities, that is, fall in aggregate demand will have the opposite effects on government expenditure.

Fall in economic growth rate will lead to fall in government revenue which acts as constraint to government expenditure, and where government revenue falls short of basic government obligations, the government is forced to borrow (either domestically or externally) which if continued over a period of time terms to exacerbate the worsening economic conditions in the economy. Therefore, changes in economic activities drives changes in government revenue which in turn drives changes in government expenditure. Fall in economic activities imply fall in the employment of productive resources in the economy, which brings about decrease in output hencedecrease in income, which leads to corresponding decrease in government revenue resulting from fall in taxes, the decrease in revenue further brings about decrease in government spending.

The Nigerian economy had actually witnessed massive expansion with great intensity over the year, the annual National budget had metamorphosed from billions of Naira to trillions of Naira, even though the effects of these budgets remain largely unnoticed and a mirage, the impact on the standard of living of the citizenry remain insignificantly different from zero. The gross domestic product (GDP) had risen for 19,422.0 Naira in 1970 to 40,5844,099.94 naira in 2012, while total government expenditure had risen from 1130.1 naira in 1970 to 4,605,319,72 naira in 2012, over the years , empirical studies are in agreement that positive

relationship exist between government expenditure and economic growth, but have mixed findings on the existence of causality and also on the direction of causality running from government expenditure to economic growth and or from economic growth to government expenditure. Previous studies have treated economic growth in relation to government expenditures as symmetric, while in fact growth rate per annual is very much asymmetry having low times and high times (depression and boom periods) within a year, indicative of bad news and good news. How then had government expenditure adjusted to changes in depression in economic activities in Nigeria?

Since rise in public expenditure greatly depends on revenue collection, and revenue collection depends on the level of economic activities it therefore follows that government expenditure depends on the level of economic activities. While economic growth is mostly treated as symmetric this study intend to decompose this variable into boom/expansion in economic growth and depression in economic activities and then examines the relationship between contraction in economic activities and government expenditure in Nigeria.

The major objective of this study is to estimate the impact of economic growth rate on government expenditure using asymmetric ARDL approach. While the specific objectives of this study include:

- To estimate the impact of contracting economic growth on government expenditure
- To determine the existence and nature of causality running between contracting economic activities and government expenditure.

2. Conceptual Framework

2.1 Government Expenditure

This is the acquisition by governments of goods and services for current consumption to directly satisfy the individual or collective needs of the society, referred to as government consumption expenditure, while government acquisition of goods and service intended to create future benefits is referred to as government investment expenditure (government gross capital formation). All governments' acquisitions (government consumption expenditure plus government investment expenditure) are classified total government expenditure.

Government expenditure can be financed by borrowing, printing of new money, taxes or revenues from government direct investments. However, in developing economics like Nigeria, the bulk of government revenues come from proceeds of governments' direct investments even though some government investments are supposed to be subsidized. This presupposes that while it is not in doubt that governments spending stimulates economic growth, economic growth on the other hand stimulates government spending as changes in economic growth rate determines change in revenues accruable to the government upon which spending in based.

2.2 Government Expenditure and Production

Government expenditure on socially desirable goods or services increases productive capacity. Government expenditure on education, health, housing, communication and transportation services increases productivity and therefore, income. Rising income also means rising sowings and subsequently stimulates investment and gross capital formation.

Also governments' expenditure through tax cuts and subsidies is an effective instrument to stimulate investment on a particular industry, thus stimulating overall growth in productivity in the economy.

2.3 Government Expenditure and Consumption

Government spending enhances redistribution of income in favour of low income earners in the economy. It improves the capacity of low income earners to consume. Government spending stimulates economic activities and therefore stimulates consumption in the economy.

2.4 Government Spending and Macroeconomic Stability

Macroeconomic instability takes the form of depression, recession and inflation. Government expenditure is used as a tool to control instability in an economy. Government spending has proved effective over years for stimulating effective demand and subsequently getting out of depression. Government spending is also amenable to controlling inflation and deflation, by reducing government spending during inflation and increasing government spending during deflation, thus bringing about price stability in the economy.

2.5 Economic growth and Government Expenditure

No doubt, the bulk of government revenues come from proceeds from government direct, investments in Nigeria, while printing of new money and taxes have remain an integral components of government revenues in Nigeria, revenues from governments direct investments have continued to dominate governments revenue streams in Nigeria. This phenomenon explains fluctuations in government expenditure over the years, the periods of oil boom for instance, witnessed reckless spending by governments at all levels in Nigeria, while the period of world oil price glut as it persists till date saw many states governments unable to pay salaries, thus economic growth stimulates government spending.

3. Theoretical Framework

Wagner's law of Increasing State Activity: Named after the German economist, Adolph Wagner based on his studies; first on German economy and then other countries, analyzing trends in the growth of public sector came to the conclusion that for any country the public expenditure rises constantly. Hence Wagner's law states that "as the economy develops over time, the activities of functions of the government increase". According to Adolph Wagner cited in strategistng.blogspot.com (2013)"comprehensive comparisons of different countries and different times show that among progressive peoples (societies), with which alone we are concerned; an increase regularly takes place in the activity of bot the central government and local governments constantly undertake new functions, while they perform both old and new function more efficiently and more completely. In this way economic needs of the people to an increasing extent and in a more satisfactory fashion are satisfied by the central and local governments". Thus, Wagner's law can be summarized as follows: (a) in progressive societies, the activities of governments increase on a regular basis. (b) Government activities increase extensively and in intensity (c) The government undertake new functions in the interest of the society, performing both old and new functions more efficiently and comprehensively than before, (d) the expansion and intensity of government function leads to increase in public expenditure.

Peacock – Wiseman Hypothesis

Peacock and Wiseman conducted a study based on Wagner's law and found out that Wagner's law is still valid. In furtherance to that they concluded that (1) the rise in public expenditure collection over the years, economic development results in substantial revenue to the governments, this enables increase in public expenditure". (ii) There exists a big gap between the expectations of the people about public expenditure and the tolerance level of taxation. Therefore, governments cannot ignore the demands, made by people regarding various services, especially, when the revenue collection is increasing at constant rate of taxation. (iii) They also stated that further increase in tax rates, enlarges the tax structure to generate more funds to meet the increase in defence expenditure. After the war, the new tax rates and tax structures may remain the same, as people get used to them. Therefore, increase in revenue results in rise in government expenditure.

Musgrave's Development Hypothesis

Musgrave (1969) suggested that the growth of public expenditure is related to the pattern of economic growth and development in societies. Thus, three stages in the development process could be identified (i) The early

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development stage where considerable expenditure is needed on education and infrastructure, and where private saving is unable to finance this necessary expenditure due to paucity of funds, public expenditure must therefore constitute higher proportion of gross capital formation and subsequently total output; (ii) The phase of rapid growth in which there are large increases in private savings and public investment falls proportionality; and (c) high income societies with increased demand for private goods which need complementary public investment.

Thus as the society moves into high income stage, there is increasing need for skilled labour which therefore leads to increasing public investment in education. In the same vein, rural-urban migration leads to urban slums. These factors leads to another round of increase in public expenditure in relation to gross national product (GNP); hence Musgrave study of the growth or government expenditure in the united states; 1890 to 1987 revealed that ratio of public expenditures to GNP rose from 6 to 35 percent over nearly ninety year period.

Critical –limit hypothesis

This hypothesis was developed by Colin Clark, a British economist soon after the World War II based on the tolerance level of taxation. Analyzing empirical data of some western countries for the inter-war period, he discovered that when government taxes exceed 25 percent of aggregate economic activities, inflation necessarily arises, even when the budget is balanced. He further concluded that: (i) when government tax system extricates increasing properties of additional income from taxpayers, this leads to disincentive to work and subsequent fall in productivity; (ii) People become less resistant to inflationary methods of government financing. While the aggregate demand expands as a result of inflationary financing techniques, aggregate supply falls due to less of incentives and subsequently, inflation.

4. Empirical Framework

Dada and Adesina (2013) in their study "Empirical Investigation of the Validation of Peacock – Wiseman Hypothesis: Implication for Fiscal Discipline in Nigeria" employed vector error correction model and standard Granger causality test to determine the direction of causality between government expenditure and revenue in Nigeria. They came to the conclusion that unidirectional causality exists between government expenditure and revenue in Nigeria, with the causality runs from government expenditure to revenue.

Investigating the impact of government expenditure on economic growth in Nigeria, Abu and Abdullah (2010) employed disaggregated data on government expenditure to investigate the relationship between government expenditure and economic growth from the period 1970 to 2008. This study came to the conclusion that total government expenditure and expenditure on Education impact negatively on economic growth in Nigeria, while on the contrary, government expenditure on transport, communication and health stimulate economic growth in Nigeria. World Bank's Development Report (1994) reveals that developing countries invest about \$200billion per year in new infrastructure, representing 4 percent of their national output. This has resulted to radical increase in infrastructure expenditure for transport, power, water, sanitation, telecommunications, and irrigation. The expenditure on infrastructure to meet the growing demands of business, households, and other users is a major challenge in developing countries including Nigeria.

Olorunfemi, (2008) investigated the relationship between public investment and economic growth in Nigeria, using disaggregated data series spanning from 1975 to 2004. Study revealed that Government expenditure impacted positively on economic growth. The study revealed that of the total government expenditure, 62.9% was on current expenditure while 37.1% of total government expenditure was devoted to capital expenditure.

Ram (1988) studied the impact of government expenditure on economic growth using the production function, modelled for both public and private sectors. Using data for 115 countries, the result of study revealed that government expenditure have significant positive impact on economic growth, particular in the developing countries under study.

Mitchell (2005) investigated the impact of government spending on economic growth in developed countries. He assessed the international evidence, reviewed the latest academic research, cited examples of countries that have significantly reduced government spending as a share of national output and analyzed the economic consequences of these reforms. Regardless of the methodology or model employed, he concluded that a large and growing government is not conducive to better economic performance. He further argued that reducing the size of government would lead to higher incomes and improve American's competitiveness.

Junko and Vitali (2008) investigate the impact of government expenditure on economic growth in Azerbaijan because of the temporarily oil production boom (2005) which caused exceptionally large expenditure increase aimed at improving infrastructure and raising incomes. Azerbaijan's total expenditure increased by a cumulative 160 percent in nominal value from 2005 to 2007 (i.e. from 41 percent of non-oil GDP to 74 percent) in their research reference which were made to Nigeria and Saudi Arabia (1970-89) who have also experienced oil boom and increased government expenditure over the years. The study simulated the neo-classical growth model tailored to the Azeri conditions. Their analysis suggested that the evaluated scenario poses significant risks to growth fiscal sustainability and historical experience indicates that the initial growth performance largely depends on the efficiency of scale-up expenditure. The study also sheds light on the risks associated with a sudden scaling-down of expenditure, including the political difficulties to undertake an orderly expenditure reduction strategy without undermining economic growth and the crowding out effects of large government domestic borrowing.

5. Data Analysis Technique

5.1 Model Specification

The empirical model of this study is derived from the theoretical framework specifically of the Wagner's law. Theoretically, the feedback from economic growth to government spending is made explicit in the relationship between increases in economic growth leading to increase in government revenues (through corresponding increase in tax revenues). However, in order to analyze the differential impact of expanding and contracting economic activities on government expenditure as set out in this study, economic growth was decomposed into increasing growth rate and decreasing growth rate. The decomposition of the variable is the most important step. Thus, adopting the asymmetric ARDL (Greenwood-Nimmo and Shin, 2013), this attempts to model the differential impact of expanding and contracting economic activities on government expenditure. The asymmetric ARDL of Greenwood-Nimmo and Shin (2013) is specified as:

$$p q q \Delta y_t = \alpha + \lambda_1 y_{t-1} + \lambda_2^+ x_{t-1}^+ + \lambda_2^- x_{t-1}^- + \sum_{j=0}^{-1} \theta_j \Delta y_{t-1} + \sum_{j=0}^{-1} \beta_j^+ \Delta x_{t-1}^+ + \sum_{j=0}^{-1} \theta_j \Delta x_{t-1}^- + \sum_{j=0}^{-1} \theta_j \Delta x_{t-1}^+ + \sum_{j=0}^{-1} \theta_j \Delta x_{t-1}^+ + \sum_{j=0}^{-1} \theta_j \Delta x_{t-1}^+ + \sum_{j=0}^{-1} \theta_j \Delta x_{t-1}^- + \sum_{j=0}^{-1} \theta_j \Delta x$$

i=1 i=0 i=0

The baseline model to be estimated for this study is first specified in the following functional form as shown below.

$$FTE = f(RGDP_M) \qquad \dots (1)$$

Where: FTE is Federal Government Total Expenditure

RGDP_M is contraction in economic growth

To obtain an estimate linear function, Equation (1) was rewritten as;

$$FTE = \alpha_0 + \alpha_1 RGDP_M + \mathcal{E}_t \qquad \dots (2)$$

Equation (2) is estimated by the OLS procedure to obtain the vital F-statistics, thereafter, the coefficient diagnostic test is conducted to obtain the relevant F-statistic from the OLS result. The applicable hypothesis is the null hypothesis of no long-run relationship, such as:

H₀: $\lambda_1 = \lambda_2 = \lambda_3 = \lambda_4 = 0$ (no long-run relationship)

H₁: $\lambda_1 \neq \lambda_2 \neq \lambda_3 \neq \lambda_4 \neq 0$ (there exist long-run relationship)

If there is a long-run relationship, between the variables, that is, the estimated variables are cointegrated, and the estimated relationship not spurious, then estimated coefficient of the long-run relationship is analyzed and the error correction model may then be estimated. Equation (2) is further expressed in the generalized autoregressive distributed lag (ARDL) model of the form ARDL(p; q_1 ; q_2 ; ... q_k). Such that:

k

$$\beta(L,p)y_t = \sum \beta_1(L_iq_i)x_{it} + \beta w_t + \mathcal{E}_t \dots (3)$$

i=1
Where
 $\beta(L,p) = 1 - \beta_1 L - \beta_2 L^2 - \dots - \beta_p L^p$
 $\beta_i(L,q) = 1 + \beta_{i1} L + \beta_{i2} L^2 + \dots + \beta_{iq} L^{q_i}$, for $i = 1, 2, \dots, k$
(4)

Since there is evidence of a long-run relationship among the variables included in Equation (2), the following long-run model will be estimated

p pFTE_t = ∞ + $\sum \infty_{1i}$ FTE_{t-1} + $\sum \infty_{2i}$ RGDP_M_{t-1} + \mathcal{E}_t ... (5) i=1 i=0

The asymmetric ARDL model of Greenwood-Nimmo and Shin (2013) is then specified thus: P ${\bf q}$

 Δ FTE $_t = \alpha + \lambda_1$ FTE $_{t-1} + \lambda_2^+ RGDP_M_{t-1}^+ + \sum \beta_j \Delta FTE _{t-1} + \sum \beta_j^+ \Delta RGDP_M_{t-1}^+ + \epsilon_t$ i=1 i=0

Where: Δ is the differenced operator.

5.2 Nature and Sources of Data

This study employed secondary data collected from the following sources; Central bank of Nigeria's statistical bulletin (various issues including 1999, 2006 and 2012 editions); National bureau of statistics' statistical fact sheets; CBN's annual reports (various editions); www.economywatch.com; www.knoema.com; and indexmundi.com. The data series sourced therefrom and used in this study include: Federal Government Total Expenditure (FTE) and Real Gross Domestic Product (RGDP). In order to situate this study appropriately under the purview of asymmetric analysis, the real gross domestic product (as the explanatory variable) was discomposed into expansion in growth (RGDP P) and contraction in growth (RGDP_M) indicative of asymmetry in the growth rate in economic activities.

5.3 Model Estimation Technique

The method of estimation used in this study is the Asymmetric Autoregressive Distributed Lag (ARDL) technique which operates on the Ordinary Least Square (OLS) estimation platform. While the operational software used in this study is the E-views, version 7.1. The question of asymmetry in economics is common place and of importance. Good and bad news are everywhere. Here, we want to understand the differential impacts of boom and contracting economic activities on government expenditure. The distinction is important if we want to appropriately respond to and formulate policies to address changes in economic activities. If linearity is assumed in the relationship between income and government spending as in the literature on traditional Wagner's law, symmetric policy response will be expected to be inadequate or to impair the relationship if indeed the assumed linear relationship is appropriate (Olayeni, 2015).

6. Data Analysis and Discussion of Findings

After estimating the ARDL model for which the result is displayed in table 4.1 below, the joint (Wald) test of the coefficients of the long run ordinary least square (OLS) was estimated in order to derive the F- statistic needed to conduct bound test (to establish long run relationship among the variables). The F-statistic of the joint test of coefficients of the long run as shown in table 4.2 is 10.41221 while the upper bound of the Pesaran critical value bounds at 5% is 5.73. Since the value of our F-statistic exceeds the upper bound at 5% levels of significance, we can conclude that long run relationship exist between FTE and GDP_M. The long run relationship is further confirmed by the Pesaran bound test for t-statistics, the t-statistics of FTE(-1) is 4.31, while the upper bound of the Pesaran t-statistic table at 5% significant level is -3.50. This result reinforces the conclusion that there is a long run relationship between contracting economic growth (GDP_M) and government expenditure (FTE) in Nigeria. We can also see that the long

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run multiplier between GDP_M and FTE is 0.092272/1.076514 = 0.09, that is, in the long run, a one unit decrease in GDP will lead to adecrease of 0.09 units in government expenditure.

In order to validate the ARDL technique as a suitable method of data analysis in this study, it became imperative to conduct stationarity test to ensure that there is no I(2) variable, the ADF statistics in table 4.3 revealed that all variables are I(0) and I(1).

Table 4.1: OLS Result					
	Dependent Variable: DFTE				
	Method:	Least Squares	5		
	Date: 07/30	/15 Time: 13	:07		
S	Sample (adju	isted): 1974 2	2013		
Include	d observatio	ons: 40 after a	djustments		
Variable	Coefficient	Std. Error	t-Statistic	Prob.	
С	38338.45	84383.01	0.454338	0.6529	
FTE(-1)	1.076514	0.249754	4.310301	0.0002	
GDP_M(-1)	0.092272	1.390294	0.066369	0.9475	
DFTE(-1)	-4.150096	0.539408	-7.693799	0	
DFTE(-2)	-2.398096	0.916988	-2.615187	0.0138	
DFTE(-3)	0.067066	0.771165	0.086967	0.9313	
DGDP_M	-0.71795	2.133132	-0.336571	0.7388	
DGDP_M(-1)	-1.866932	2.381256	-0.784011	0.4392	
DGDP_M(-2)	-3.80303	2.340114	-1.625147	0.1146	
DGDP_M(-3)	1.905012	2.837676	0.671328	0.5071	
R-squared	0.809216	Mean dependent var		243956.6	
Adjusted R-squared	0.751981	S.D. dependent var		826101	
S.E. of regression	411410.5	Akaike info criterion		28.90489	
Sum squared resid	5.08E+12	Schwarz criterion		29.32711	
Log likelihood	-568.0978	Hannan-Quinn criter.		29.05755	
F-statistic	14.13846			1.882043	
Prob(F-statistic)	0				

Table 4.2: Wald Test

Wald Test:						
Equation: Untitled						
Test Statistic	t Statistic Value df Probability					
F-statistic	10.41221 (2, 30) 0.0004					
Chi-square 20.82442 2 0						

Table 4.3: Stationarity Test

Unit Root Tests						
Sample: 1970 2012						
Test Type: ADF						
	Level First Second					
FTE	1.884632	3.898872	-0.932582			
GDP_P	5.857435	6.817074	1.644623			
GDP_M	0.000000	-6.324555	-7.449832			
1% level	-2.621185	-2.622585	-2.625606			
5% level	-1.948886	-1.949097	-1.949609			
10% level	0% level -1.611932 -1.611824 -1.611593					

The residuals series were constructed and the restricted ECM was fitted. The ECM in table 4.4 revealed that depression in economic growth (GDP_M(-2)) at lag two significantly impact on government expenditure in Nigeria at ten percent level of significance, while government expenditure (DFTE) at lag one and two impacts significantly on current government expenditure at 1% critical value.

Table 4.4: Error Correction Model						
	Dependent Variable: DFTE					
	Method: L	east Square	S			
	Date: 07/30/2	15 Time: 14	:42			
S	ample (adjus	ted): 1974 2	2013			
Included	l observation	s: 40 after a	ndjustr	nents		
Variable	Coefficient	Std. Error	t-St	atistic	Prob.	
С	-453.5188	79940.47	-0.00)5673	0.9955	
DFTE(-1)	-4.169585	0.465716	-8.95	53056	0	
DFTE(-2)	-2.457915	0.5838	-4.2	10203	0.0002	
DGDP_M	-0.743685	2.029104	-0.36	56509	0.7164	
DGDP_M(-1)	-1.886765	2.026147	-0.93	31208	0.3587	
DGDP_M(-2)	-3.812189	2.1551 -1.768916		0.0864		
DGDP_M(-3)	1.83334	2.302616 0.796199		0.4318		
ECM(-1)	1.094342	0.113642	9.62	29771	0	
R-squared	0.809168	Mean dependent var			243956.6	
Adjusted R-squared	0.767424	S.D. dependent var			826101	
S.E. of regression	398396.9	Akaike info criterion			28.80514	
Sum squared resid	5.08E+12	Schwarz criterion			29.14292	
Log likelihood	-568.1028	Hannan-Quinn criter.			28.92727	
F-statistic	19.38383	Durbin-Watson stat			1.874472	
Prob(F-statistic)	0					

The error correction model was tested for serial correlation as shown in table 4.6 below, which revealed that the model is serially independent. Also to ensure that the model is dynamically stable, the cumulative sum of recursive residuals (CUSUM) test was conducted and the result revealed that the model is dynamically stable as shown in figure 4.1 below.

Table 4.6: Test for Serial Correlation

Breusch-Godfrey Serial Correlation LM Test:				
F-statistic 1.333294 Prob. F(2,30) 0.				
Obs*R-squared	3.265219	Prob. Chi-Square(2)	0.1954	

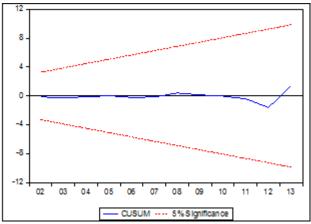


Figure 4.7: Stability Test of the Error Correction Model

Although there exist an evidence of short run causality from contracting economic growth (GDP_M) to government expenditure (FTE) in Nigeria as seen in tables 4.5. There is however no evidence of long run causality running from contracting economic growth to government expenditureas the error correction term (ecm (-1)) of the short run dynamics model is not rightly signed (that is, its coefficient is not negative).

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Table	4.5:	Short	Run	Causa	lity	Test
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Equation: Untitled					
Test Statistic	Value df Probability				
F-statistic	1.133164	(4, 32)	0.3585		
Chi-square	4.532655	4	0.3387		

7. Summary of Major Findings

The econometric investigation of this study offers evidence that there is indeed a significance relationship between contraction in economic growth and government expenditure in Nigeria. This study revealed that there existshort run causality running from contraction in economic growth to government expenditure, while providing no evidence of long run causality from contraction in economic growth to government expenditure in Nigeria.

8. Conclusion

The impact of contracting economic growth on government expenditure has been extensively investigated in this study. The application of asymmetric autoregressive distributed lag (ARDL) estimator to a set of dynamic time series data models in investigating the research problem have proved quite intuitive, robust and unequivocally suitable. This study focused mainly on the negative asymmetry in economic growth and its impact on government expenditure. Time series data covering the periods 1970 to 2013 were used for this study. The statistical properties of the data were properly investigated using appropriate econometric techniques. The findings of this study provided strong evidence of short run causality fromdepression in economic activities to government expenditure in Nigeria.

9. Recommendations

The researchers recommend that policy decisions on improving economic activities in the economy should be of priority as the findings in this study re-enforces the Peacock-Wiseman revenue-spending hypothesis. Governments in Nigeria should give more impetus to policies that will guarantee sustainable economic growth.

Finally, there is need to reverse governments priority on spending decision. Empirical evidence shows that government spending decision occurs prior to the decision to raise revenue in Nigeria (Dada and Adesina, 2013), this is responsible for the rising fiscal deficits in Nigeria, and hence a reversal will mean sustaining economic growth in order to generate more revenue through taxes to meet governments' fiscal obligations.

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