



MACROECONOMIC POLICY, INSTITUTIONAL QUALITY AND ECONOMIC GROWTH IN NIGERIA

ABSTRACT

This study examined the impact of macroeconomic policy, institutional quality and economic growth in Nigeria through the use of time series data for the period 1981 to 2021. The study employed monetary policy, fiscal policy as indicators of macroeconomic policy, and contract intention money as the indicator of institutional quality and the logarithm of real gross domestic product as the measure of economic growth in Nigeria. The ordinary least square (OLS) estimator was used in the estimation of the model specified in the study. The result of the estimation which was evaluated on the basis of the 5 percent level of significance, from the study revealed that monetary policy exerts a positive but insignificant impact on economic growth in Nigeria. The study findings also revealed that fiscal policy has a positive and significant impact on economic growth in Nigeria. Furthermore, the study found that institutional quality exerts a positive and significant impact on the economic growth in Nigeria. Based on the findings, the study recommended that the monetary authority (CBN) should review its policies with respect to their lending interest rate, which is expected to lead to lower cost of borrowing resulting in higher investment activity and purchase of consumer durables. The federal government should also implement measure to improve federal government expenditure since its impact is low compared to other variables with positive impact. Finally, a holistic approach of attitudinal change, systematic strengthening and institutional restructuring is also recommended for the attainment of the country's growth plans and objectives.

Keywords: *Macroeconomic Policy, Institutional Quality, Economic Growth, Nigeria*

1. Introduction

Recently, there has been widespread doubt among economists and policy makers alike as to the adequacy of traditional economic policies in explaining and proffering solutions to the problems of modern economies. This is based on the continued underdevelopment of third world countries even in the myriad combination of policies they have implemented over the years. This has been justified by the previous global economic recession that occurs as a result of institutional breakdown. There is also general consensus that the continued underdevelopment of the third world countries, especially those in sub-Saharan Africa is a product of institutional failure (Siba, 2008). In this regard, it has been argued that macroeconomic policies, no matter how well formulated, will have little impact in an environment characterized by weak institutions. The impact of these institutions on production collaboration can be viewed in terms of their impact on individuals and their social behavior.

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The value of social characteristics which are essential for the achievement of resourceful economic results such as ethics, norms, and morals are reliant on the strength and quality of the institutions in the society. Universally, it would actually be difficult to protect property rights, implement business contracts, ensure transparency and accountability, ensure the adequate and timely dissemination of information to economic agents, in an environment characterized by low moral and ethical standards, and thus, weak institutions. In such a situation, the cost and risk involved in carrying out a business venture becomes very high for firms and will generally reduce the propensity of firms to invest in such countries (Budak, 2006; Budak & Sumpor, 2009).

Another dimension of this has also been highlighted by Jude and Levieugeyz (2013) who observed that strong institutions not only induce those who make appraisal between foreign and domestic investment, but will also encourage the collaboration between domestic firms, and foreign direct investment, thus leading to spillovers. For instance, the hyped and advertised view that the effectiveness of monetary policy is hampered by fiscal dominance in Nigeria maybe owing largely to the failure of the relevant institutions to ensure fiscal discipline. This may also account for the recurrent problem of extra-budgetary spending, high level of corruption and misappropriation of public resources. In recent times, there were efforts put in place towards solving this problem which includes the establishment of the Economic and Financial Crimes Commission (EFCC), Independent Corrupt Practices Commission (ICPC), Nigeria Financial Intelligent Unit (NFIU), and the National Agency for Food and Drug Administration and Control (NAFDAC) by the Olusegun Obasanjo government, as well as the strengthening of the Central Bank of Nigeria (CBN) and the Security and Exchange Commission (SEC). However, these efforts notwithstanding, Nigeria is one of the most corrupt nations in the world. This assertion is validated because of its CPIA accountability, Transparency International ranking, Corruption Perception Index, and transparency in the public sector rating of 3, on a ratio of 1 to six, in 2020, a CPIA public sector management and institutions cluster average of 3.0 Percent in 2021, and a CPIA business regulatory environment rating of 3.5 percent in 2011 (World Bank, 2014).

In view of the above, questions still arise as to the effectiveness of the efforts toward strengthening of the country's institutions and their effect on the country's effort towards the attainment of economic growth. This is the core issue in which this research paper seeks to address.

2. Literature Review and Theoretical Framework

Macroeconomic policy, encompassing fiscal policy, monetary policy, and exchange rate policy, plays a critical role in shaping the economic destiny of Nigeria.

A study by Havi, and Enu (2014), titled "relative importance of monetary policy and fiscal policy on economic growth in Ghana over the period of 1980 to 2012" posits that consistent and stable policies promote investment and economic growth. The Ordinary Least Squares (OLS) estimation results revealed that money supply as a measure monetary policy had a positive significant impact on the Ghanaian economy. The study meticulously analyses the fluctuations in Nigeria's growth rates alongside shifts in macroeconomic policy, asserting that the lack of policy continuity hampers sustainable development.

Similarly, Vinayagathan (2013) in the paper "Macroeconomic Factors and Economic Growth in Nigeria: A Multivariate Approach," emphasizes that disparate macroeconomic factors are significant predictors of economic growth. The study found that interest rate shocks had a significant impact on output in accordance with the economic theory. It also finds that positive money shock provides significant but inconsistent results on output. Output declines rather than increase.

Kareem *et al.*, (2013) in their study employ OLS method and correlation matrix to investigate the effect of fiscal and monetary policies on economic growth in Nigeria, with a time frame between 1998 and 2008. The result reveals that monetary variables of narrow money and broad money are considerable policy variables that can positively affect economic growth (real GDP growth rate) in Nigeria.

Davodi *et al.* (2013) in the same vein carried out a research to investigate MTMs in selected East African Communities using three variants of Structural VARs on monthly data sets between the periods 2000 to 2010. The research reveals that MTM tends to be generally fragile when using standard statistical inferences, but somehow stronger when using non-standard inference tools. Synthesizing the insights from the sources mentioned, the interplay between macroeconomic policy, institutional quality, and economic growth in Nigeria is complex and multifaceted.

Berg *et al.* (2013) employed the narrative approach authored by Romer and Romer (1989) to investigate the monetary transmission mechanisms in the tropics with a case study on four East African nations (Rwanda, Tanzania, Uganda, and Kenya). The study shows a clear evidence of a working transmission mechanism after a large policy-induced rise in the short-term rate, interest rate rise, and lending which led to the appreciation of the exchange rate, and output growth fall.

Fasanya *et al.* (2013) in their research investigated the effect of monetary policy on economic growth in Nigeria using the Error Correction Model (ECM) on time-series data covering the period between 1975 to 2010. The result shows that a long-run relationship exists between the variables and that exchange rate; inflation rate and external reserves are significant monetary policy tools that enhance growth in Nigeria in accordance with theoretical expectations. Money supply was found to be insignificant.

Ullah and Rauf (2013) in their study examined the impacts of macroeconomic variables on economic growth using some selected Asian countries employing a panel data from 1990 to 2010 and the result shows that the sample countries economic growth is positively affected by saving rate, and foreign direct investment, while exports have significant impacts on economic growth, tax rate and labor force are insignificant on economic growth.

The institutional capacity macroeconomic performance link in Nigeria has also been analyzed by Iyoboyi and Pedro (2014) employing the VAR technique. The results of the generalized impulse response function indicates that one standard deviation innovation on institutional capacity reduced macroeconomic performance, while variance decomposition revealed that a substantial amount of the changes in macroeconomic performance in Nigeria macroeconomic performance is not due to changes in institutional capacity. Further research shows that institutional quality has a favorable and significant impact on economic

growth in developed countries, whereas it has a minor impact in developing economies. Onyeiwu (2012) examines the impact of monetary policy on the Nigerian economy using the OLS method to analyze data between the period 1981 and 2008, and the result reveals that monetary policy proxy by money supply exerts a significant impact on GDP growth.

Chaudhry et al. (2012) in their study examined long-run and short-run relationships of monetary policy, inflation and economic growth in Pakistan using ECM and co-integration techniques covering the period from 1972 to 2010. The result revealed that monetary policy variable of call money was negative in the short run but positive in the long run. Jawaid et al. (2011) investigated the effect of monetary, fiscal and trade policy on economic growth in Pakistan, using the annual time series data covering the period of 1981 to 2009. The study makes use of the co-integration and ECM revealing the existence of positive long-run and short-run relationship between monetary policy (money supply) and economic growth.

Senbet (2011) also carried out a research to examine the relative impact of fiscal versus monetary action on output in the United States of America using the VAR approach and the result shows a significant impact of money supply on economic growth. Their findings are in agreement with Adefeso and Mobolaji (2010) that also investigated the relative effectiveness of fiscal and monetary policy on economic growth in Nigeria using the co-integration technique and error correction mechanism, based on annual data covering 1970-2007. Using the OLS approach, Nouri and Samimi (2011) investigated the relationship between money supply and economic growth covering the period 1974 to 2008 in Iran. The result shows that there is a positive relationship between money supply and economic growth.

Ogunmuyiwa and Ekone (2010) in their study examined the relationship between money supply and economic growth in Nigeria between 1980 and 2006. The OLS and ECM result shows a positive impact of money supply on economic growth both in short run and long run. Moursi and El Mossallamy (2010) in their study examined monetary policy in Egypt and its effect on inflation and growth by using the Bayesian approach to estimate a dynamic stochastic general equilibrium (DSGE) model for a small closed economy. The study utilized a sample monthly time series data covering 2002 to 2008, and it was found that the impact of monetary policy negative shock is relatively more significant on output than on inflation, indicating that expansionary monetary policy is capable of invigorating economic growth without magnificent pressure on prices.

Udah (2011) investigate the impact of stabilization policies (monetary and fiscal policies) and electricity supply on economic development in Nigeria using the OLS estimation technique. The time series characteristics of the variables were tested using the Ng and Perron (2001) modified unit root test and the (ARDL) bounds testing approach to co integration projected by Pesaran, Shin and Smith (2001). The result of the parsimonious estimates shows that broad money supply, government expenditure and electricity supply were major determinants of per capita GDP growth rate in Nigeria. The findings of the research also indicate that demand management is useful for the purpose of economic stabilization in Nigeria.

Ali, Irum and Ali (2008) investigate the impact of fiscal and monetary policy on economic growth using annual time series data covering 1990 to 2007 in South Asian countries using Autoregressive distributed lag

(ARDL) mod. The result indicates that money supply has positive effect on economic growth in both short run as well as in the long run, while fiscal policy has negative effect on economic growth both in the short run and the long run. The study concluded that monetary policy is a more powerful instrument than fiscal policy in enhancing the economic growth in the case of South Asian countries.

Monetarist Theory

The Monetarist Theory, a brainchild of Milton Friedman, asserts that variations in the money supply have major influences on national production in the short run and the price levels in the long run. Monetarists believe that the economy is naturally stable and self-regulating. Thus, they posit that government intervention, especially in the form of fiscal policy, is unnecessary and even harmful in some instances. For monetarists, controlling the growth rate of the money supply should be the prime objective of economic policy. Indeed, Friedman famously claimed, "Inflation is always and everywhere a monetary phenomenon" (Friedman, 1963), suggesting that the government's role should be limited to ensuring a steady expansion of the money supply to match the growth of the economy, eschewing the active use of fiscal policy tools like taxation and government spending.

Keynesian Theory of Fiscal Policy

The Keynesian theory was pioneered during the era of the Great Depression as a response of the failings of classical economics, and it takes a different tack outside monetarist. Keynesianism advocates for active government intervention to manage economic cycles. It argues that during downturns, consumer demand tends to fall, leading to reduced production and, subsequently, layoffs, which further depress demand. Keynesians propose that during such periods, the government should increase spending and/or reduce taxes to boost demand, thus stimulating economic activity. Contrastingly, governments are encouraged to cut spending and/or increase taxes during boom periods to dampen the economy and prevent inflation. Keynes' famous call to action, "In the long run, we are all dead," encapsulates the urgency with which he believed governments should act to address economic recessions and unemployment.

Nevertheless according to (IMF, 2015b; Gerson, 1999), fiscal policy theory can promote economic growth through both macroeconomic and microeconomic channels. At the macroeconomic level, sound and responsible fiscal policy can affect aggregate demand and stabilize the economic cycle, thus boosting business confidence, investment, and long-term growth. This highlight the relationship between fiscal policy as an integral part of macroeconomic policy which influences GDP, hence the reason for the adoption of this theory in the study.

Endogenous Growth Theory

Endogenous Growth Theory emerges, and refocuses the role of investment in human capital, innovation, and knowledge as critical drivers of economic growth Unlike its predecessors, which regarded technological progress as an external factor, the Endogenous Growth Theory posits that economic growth is generated from within a system as a result of the investment decisions made by governments and firms. Thus, it encourages policies that invest in education, research and development, and infrastructure to facilitate innovation and knowledge exchange, which it considers vital for sustained long-term growth.

The relationship between this theory and the study is that, the theory provides an opportunity to incorporate institutional quality as an internal factor affecting economic growth of a nation.

3. Research Methodology

3.1. Research Design

There are several designs which may be utilized for the conduct of economic studies. However, this study used the ex-post-facto research design. This design is chosen because the study is set to examine the historical relationship between the dependent and independent variables in the study by using past data. These dependent variables are influenced by the independent variables which make Ex post facto research design appropriate for the study. Therefore, the research design for this work involved the following steps:

3.2. Model Specification

The model for this study is anchored on Romer's endogenous growth theory (new endogenous growth theory) which simply states that the economic growth is driven by strong influences within the economy. The model is specified in logarithm form and expressed in their econometric form, are formulated as follows;

$$\text{LogRGDP} = \beta_0 + \beta_1 \log \text{IRS} + \beta_2 \log \text{GE} + \beta_3 \log \text{INS} + \beta_4 \log \text{EXR} + \beta_5 \log \text{INV} + \beta_6 \text{HCD} + \mu_i$$

$$\beta_0 > 0, \beta_1 < 0, \beta_2 > 0, \beta_3 > 0, \beta_4 < 0, \beta_5 > 0, \beta_6 > 0$$

Where;

Log(RGDP) = Economic growth (measured as the log of real GDP)

IRS = Lending interest rate (in percent)

INS = Institutional quality (measured as Contract Intensive Money)

GE = Government Expenditure (measured in billion of Naira)

EXR = Exchange Rate (Naira-Dollar)

INV = Investment (measured as gross fixed capital formation in billion of Naira)

HCD = Human Capital Development (measured as gross secondary school enrolment rate)

U_i = Stochastic Error Term

β₀ = Intercept

β₁ – β₆ = Coefficient of the independent Variables.

3.3 Sources of Data Collection

The data for this study was obtained from secondary sources particularly from; these include Central Bank of Nigeria (CBN) annual statistical Bulletin, World Bank and the World Development Indicators (WDI).

4. Presentation of results

4.1. Descriptive statistics

The descriptive statistics are used in the study to highlight the statistical properties of the data on the respective variables employed by the study. The descriptive statistics which include the mean, standard deviation, variance, skewness, kurtosis, and Jarque-Bera test for normality are presented in table 4.1

The descriptive statistics in table 4.1 shows that economic growth and government expenditure have a large mean value, standard deviation and, maximum and minimum values of 38124.89, 2494.307, 73382.77, 12164.15, 16211.49 and 9.636500 respectively. The other variables have relatively small mean, standard deviation and maximum and minimum values.

The statistics also show that government expenditure and investment are highly positively skewed with skewness values of greater than +1. On the other hand, exchange rate, and human capital development index are moderately skewed because their skewness values lie between +1 and +0.5, while the remaining variables are symmetric because their skewness values falls between +0.5 and -0.5 range.

The kurtosis also indicates that all the variables except lending interest rate, government expenditure and investment are leptokurtic because their values are greater than three. Economic growth, institutional quality index, exchange rate and human capital development index are platykurtic because their kurtosis values are less than three. The descriptive statistics further reveal that all variables except government expenditure and investment are normally distributed with Jarque-Bera probability values which are greater than 0.05

Table 4.1: Descriptive statistics

	RGDP	IRS	INSQ	GOVT	EXCH	INVS	HCDV
Mean	38124.89	17.30987	77.67505	2494.307	105.9290	5.98E+10	32.70101
Median	26935.32	17.50000	75.13961	1017.997	111.9433	5.71E+10	29.33096
Maximum	73382.77	29.80000	94.73888	12164.15	333.7799	1.09E+11	56.20540
Minimum	16211.49	7.750000	58.24161	9.636500	0.610025	3.92E+10	17.10584
Std. Dev.	20553.99	4.637785	12.02170	3189.896	104.4744	1.37E+10	9.287394
Skewness	0.575236	0.269227	0.187188	1.406514	0.804897	1.266825	0.591422
Kurtosis	1.703335	3.517521	1.530916	4.206007	2.654016	5.599307	2.268743
Jarque-Bera	5.133416	0.952843	3.926375	16.00294	4.631538	22.50862	3.303672
Probability	0.076788	0.621002	0.140410	0.000335	0.098690	0.000013	0.191698
Sum	1563121.	709.7048	3184.677	102266.6	4343.087	2.45E+12	1340.741
Sum Sq. Dev.	1.69E+10	860.3621	5780.853	4.07E+08	436596.1	7.50E+21	3450.228
Observations	41	41	41	41	41	41	41

Source: Author’s computation (2023)

4.1.2 Pearson product moment correlation matrix

The second pre-estimation test carried out in this study is the Pearson product moment correlation test which is used to capture the variables for the presence of perfect linear collinearity. The result of the test is presented in the correlation matrix in table 4.2 below. The result shows that none of the variables used for the estimation of economic growth equation is perfectly linearly correlated.

4.1.3 Regression results

The Ordinary Least Squares (OLS) estimates of the real GDP equation are presented in table 4.3. The dependent variable, real GDP, is used as a measure of economic growth in Nigeria. The statistical significance of the estimated coefficients is examined using the 5 percent level of significance, and is reflected in probability values of less than 0.05. The result shows that deposit money bank lending interest rate and exchange rate have a positive and statistically insignificant impact on economic growth in Nigeria. On the other hand, contract intensive money, federal government expenditure, investment and human capital development have a positive and statistically significant impact on economic growth in Nigeria.

The value of the adjusted R^2 (0.986) indicates that the model is a good fit. This because almost 99 per cent of the variations in economic growth are caused by variation in the explanatory variables (lending interest rate, institutional quality, government expenditure, exchange rate, investment and human capital development). This suggests that the model has high explanatory power and can be relied upon for economic policy formulation and forecast. The Durbin-Watson of 1.34 is low and falls within the inconclusive region which signifies uncertainty about the existence of positive serial correlation in the model. However, the Breusch-Godfrey serial correlation LM test result presented in Table 4.5 proved otherwise because, the probability value associated with Breusch-Godfrey (BG) test with F-statistics of 0.149 is greater than 0.05 at 5 percent level of significance. This means that the residual from the estimates of the model are not serial correlated. The model is consistent and can be used for formulation of economic policies and predictions.

Table 4.2: Correlation Matrix

	RGDP	IRS	INSQ	GOVT	EXCH	INVS	HCDV
RGDP	1						
IRS	-0.0955905	1					
INSQ	0.9009563	-0.2604215	1				
GOVT	0.9282745	-0.1994262	0.8243510	1			
EXCH	0.9305508	-0.0734013	0.7926480	0.9436886	1		
INVS	0.4165956	-0.4165147	0.3385025	0.4081286	0.3842344	1	
HCDV	0.9218154	-0.0977130	0.8978282	0.806	0.7887504	0.2139842	1

Source: Author's computation (2023)

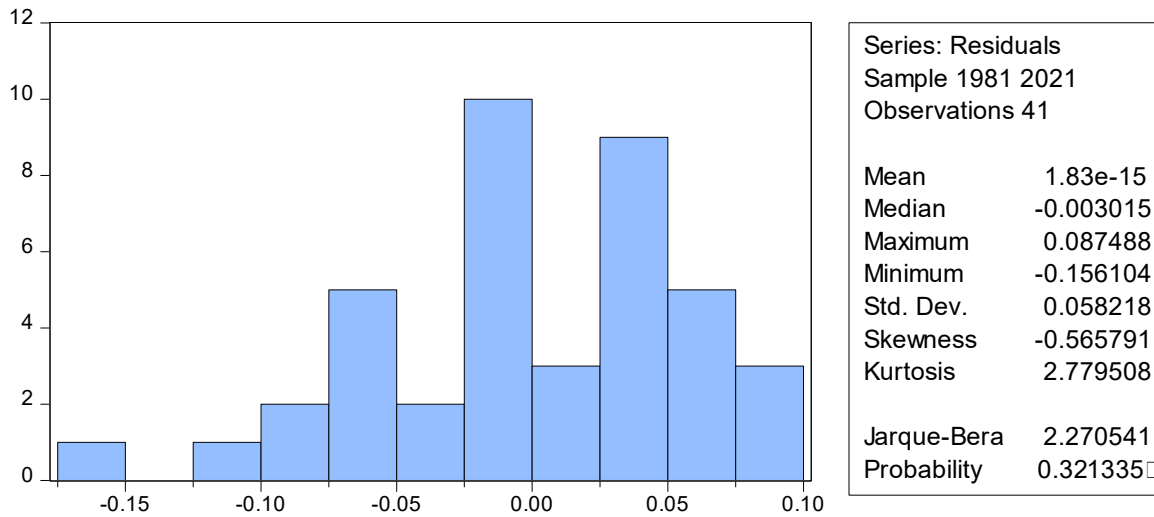
Table 4.3: Regression Result

Dependent Variable: LOG(RGDP)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.273116	1.541854	-0.825705	0.4147
IRS	0.004902	0.003474	1.411072	0.1673
INSQ	0.013665	0.002083	6.558872	0.0000
LOG(GOVT)	0.088903	0.038943	2.282897	0.0288
LOG(EXCH)	0.031491	0.041932	0.751003	0.4578
LOG(INVS)	0.382480	0.063871	5.988304	0.0000
HCDV	0.011664	0.003151	3.701455	<u>0.0008</u>
R-squared			0.988116	
Adjusted R-squared			0.986019	
S.E. of regression			0.063147	
Sum of squared resid			0.135575	
Log likelihood			58.91541	
F-statistic			471.1601	
Prob(F-statistic)			0.000000	
Durbin-Watson stat			1.342226	

Source: Author's computation (2023)

Figure 4.1 Jarque-Bera test for Normality



Source: Author’s computation (2023)

From figure 4.1, the Jarque-Bera test probability value of 0.321 is greater than 0.05. This indicates that the residual from the distribution are normally distributed.

From table 4.5, the probability value associated with Breusch-Godfrey (BG) test with F-statistics of 0.149 is greater than 0.05 at 5 percent level of significance. This means that the residual from the estimation of the model are not auto/serial correlated.

From table 4.6, the probability value associated with Breusch-Pagan-Godfrey (BPG) test with F-statistics of 0.4293 is greater than 0.05 at 5 percent level of significance. This means that the residual from the estimation of the model are homoskedastic implying that the variables have a constant variance.

The graphs presented in figure 4.2 and 4.3 revealed that the estimation parameters are structural stable. This is because both CUSUM and CUSUM of square graphs falls within the critical region of +0.5 and -0.5 boundaries

Table 4.5 Diagnostic Test

	F-Statistic	P-Value
Serial Correlation LM Test	2.019629	0.1493
Heteroscedasticity	1.019549	0.4293

Source: Author’s computation (2023)

Figure 4.2

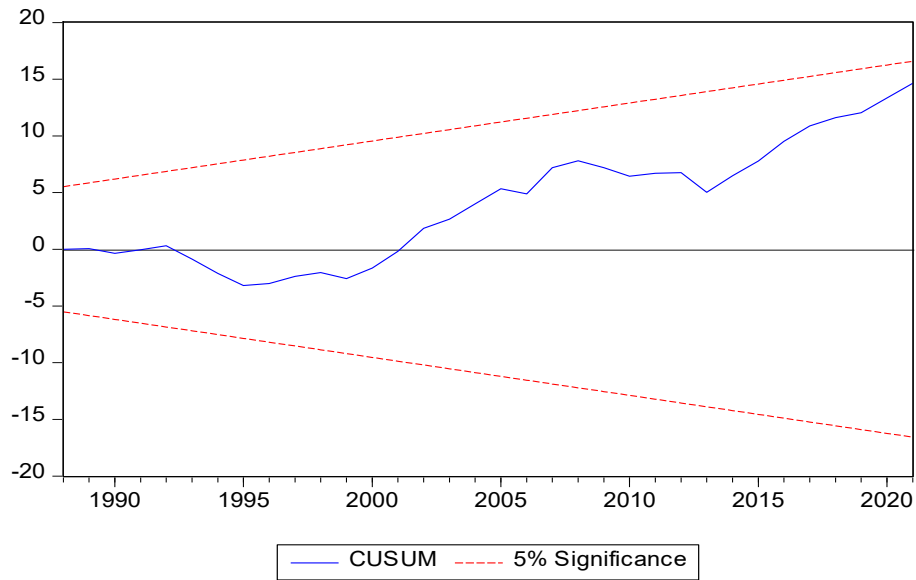


Figure 2: CUSUM test for parameter stability

Source: Author's computation (2023)

Figure 4.3

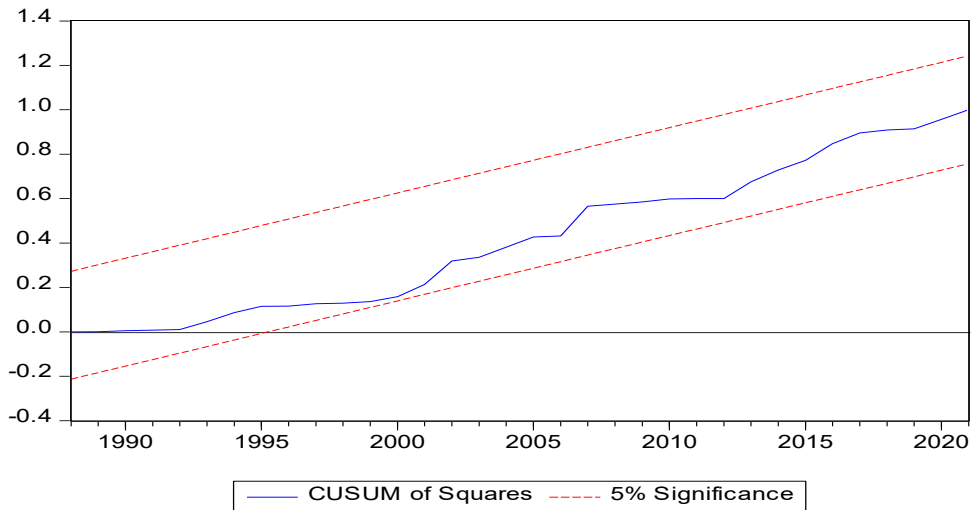


Figure 3: CUSUM of Squares test for parameter stability

Source: Author's computation (2023)

4.2 Test of hypotheses

The first hypothesis of the study stated that monetary policy does not have a significant impact on economic growth of Nigeria. The null hypothesis is validated by the outcome of the regression result which showed nonexistence of any significant relationship between economic growth and monetary policy as measured by lending interest rate. Therefore, the study accepts the null hypothesis while rejecting its alternative counterpart.

The second formulated hypothesis of the study stated that fiscal policy does not have a significant impact on economic growth of Nigeria. Nonetheless, the estimated result proved otherwise given that a significant impact of fiscal policy (measured by federal government expenditure) on economic growth was established. Consequently, the earlier stated null hypothesis is refuted and the alternative of the existence of significant impact of fiscal policy on economic growth in Nigeria accepted.

Lastly, the third null hypothesis asserted that institutional quality does not have a significant impact on economic growth in Nigeria. Contrary to the hypothesis, the estimated model result indicated that institutional quality significantly affect economic growth in Nigeria. As such, the null hypothesis is rejected as the alternative hypothesis is accepted concludes that institutional quality has a significant impact on economic growth in Nigeria.

5. Discussion of findings

The findings from this study was that monetary policy, measured by deposit money bank lending interest rate and exchange rate has a positive and statistically insignificant impact on economic growth in Nigeria, while contract intensive money, federal government expenditure, investment and human capital development have a positive and statistically significant impact on economic growth in Nigeria. This findings support the work of Onyeiwu (2012) which examines the impact of monetary policy on the Nigerian economy using the OLS method to analyze data between the period 1981 and 2008.

The findings on the impact of monetary policy on economic growth in Nigeria indicates an increase in deposit money bank lending interest rate and is expected to lead to an increase in economic growth in Nigeria. However, the insignificance impact of monetary policy on economic growth in Nigeria implies that, it has not been determinant of economic growth in Nigeria during the period for which the study was carried out.

Similarly, the positive relationship between institutional quality and economic growth in Nigeria, measured by contract intensive money, conforms to the theoretical expectations of Endogenous Growth Theory. It implies that an increase in institutional quality in Nigeria will lead to an increase in economic growth of Nigeria.

A further finding made by the study is that institutional quality measured by contract intensive money, fiscal policy measured as federal government expenditure, investment and human capital development have a positive and statistically significant impact on economic growth in Nigeria.

Conclusion and Recommendations

The question of whether macroeconomic policy and institutional quality are an important drivers of economic growth has been the subject of a growing literature in Nigeria. This study examined the relationship using data for the period of 1980 to 2021.

Based on the findings, the study concludes; that deposit money bank lending interest rate does not affect the economic growth of Nigeria. The rate of federal government expenditure was found to have a positive and significant impact on the real gross domestic product. Thus, it has a significant impact on the economic activities of Nigeria, leading to economic growth.

Finally, the contract intensive money was found to have a significant impact on the real gross domestic product. This implies that contract enforcement affects both quantitative and the qualitative measure of growth in Nigeria.

References

- Abubakar S. (2020) Institutional Quality and Economic Growth: Evidence from Nigeria. *African Journal of Economic Review*, VIII, (I), January 2020.
- Adefeso, H. A., and Mobalaji, H. I. (2010) "The Fiscal-Monetary Policy and Economic Growth in Nigeria: Further Empirical Evidence" *Pakistan Journal of Social Sciences*, 7 (2) 137-142.
- Adeoye, T. (2011) "Fiscal Policy and Growth of the Nigerian economy: An Empirical Perspective" *Nigerian Institute of Social and Economic Research Monographs*.
- Akpo E.S. & Hassan S. (2015) Institutional Quality Matter: An Empirical Investigation of Foreign Direct Investment in Nigeria, *e-Journal of the Social Science Researches* e-ISSN: 2289-4977 (3) 2015.
- Alexiou, C., Tsaliki, P. & Osman, H. R. (2014). Institutional quality and economic growth: empirical evidence from the Sudanese economy. *Economic Annals, Faculty of Economics, University of Belgrade*, 59(203), 119-138.
- Alonso, J. A. & Garcimartín, C. (n.d.). The determinants of institutional quality: More on the debate. Centre for Research in Economic *Development and International Trade (CREDIT)*, *Research Paper 09(04)*. Retrieved from <http://www.nottingham.ac.uk/economics/credit/>
- Ameer, W., Sohag, K. & Xu, H. & Halwan, M. M. (2020). The Impact of OFDI and Institutional Quality on Domestic Capital Formation at the Disaggregated Level: Evidence for Developed and Emerging Countries. *Sustainability*, 1-18.
- Andrews, M., (2013). The Limits of Institutional Reform in Development: Changing Rules for Realistic Solutions: *Cambridge University Press*.
- Aoki, M. (2001). Towards a comparative institutional analysis. *MIT Press, Cambridge*. In *Garcimartín, J. A. C*, The determinants of institutional quality: More on the debate. WP03/09.
- Arshad, H. (2019). Foreign Direct Investment, Institutional Quality, and Economic Growth, <https://mpira.ub.uni-muenchen.de/91213/>
- Bali moune, L.M., (2005). Institutions, social capital, and economic development in Africa: an empirical study. *International Centre for Economic Research Working Paper No. 18*.
- Bartlett, W., Cuckovic, N., Jurlin, K., Nojkovic, A., & Popovski, V. (2013). Institutional quality and growth in EU neighbourhood countries. *Working Paper*, 5(11).

- Basu, S. R. & Das, M. (2010). Institution and development revisited: A nonparametric approach. Policy Issues in International Trade and Commodities Study Series, No. 42, *United Nations Conference on Trade and Development, United Nations, New York and Geneva.*
- Birdsall, N., (2007). Do no harm: aid, weak institutions and the missing middle in Africa. *Development Policy Review*. 25 (5), 575-598.
- Central Bank of Nigeria. (n.d). Monetary policy. <https://www.cbn.gov.ng>
- Central Bank of Nigera (2023). Annual statistical bulletin. <https://www.cbn.gov.ng>
- Chaib, B. & Siham M (2014). The Impact of Institutional Quality in Attracting Foreign Direct Investment in Algeria, *Topics in Middle Eastern and African Economies*. 16(2), 142-163.
- Charnock, G., (2009). Why do Institutions matter? *Global competitiveness and the politics of policies in Latin Amerika. Capital vs Class*. 33 (2), 67-99.
- Davis, J. M; Ossowsk, R. and Fedelino, A (2003) “Fiscal Policy Formulation and Implementation in Oil-Producing Countries” *International Monetary Fund* www.imf.org/external/indc.htm
- Doyle, E. & Martínez-Zarzoso, I. The productivity, trade, & institutional quality nexus: A panel analysis.
- Ebi, B. O., Infrastructure investment, institutional quality, and economic growth in Nigeria: An interactive approach. *European Journal of Humanities and Social Sciences*, 26(1), 1342-1358. <http://www.journalsbank.com>
- Fosu, A., Bates, R., Hoeffler, A., (2006). Institutions, governance and economic development in Africa: an overview. *Journal of African Economies*. 15 (1), 1–9.
- Grossman, G., & Helpman, E. (1990). Comparative advantage and long-run growth. *The American Economic Review*, 80(4), 796-815.
- Gwartney, J. D., Holcombe, R. G., & Lawson, R. A. (2004). Economic freedom, institutional quality, and cross-country differences in income and growth. *Cato Journal*, 24(3).
- Hassan A.S, Meyer D.F & Kot S. (2019). Effect of Institutional Quality and Wealth from Oil Revenue on Economic Growth in Oil-Exporting Developing Countries.
- IMF (2003). World Economic Outlook: Growth and Institutions, Washington: *International Monetary Fund*.
- Ifere, E. O., Ovat, O. O., Owan, E. J., Chijioke, M. I., Ofem, L. U., Ndome, J. N., Ugbaka, M. A., & Atelhe, A. G. (2023). Perception and criminality of tax evasion in a developing economy [Special issue]. *Corporate Law & Governance Review*, 5(2), 164–173
- Iyoboyi, M. & Pedro, L. M. (2014). Institutional capacity and macroeconomic performance: empirical evidence from Nigeria. *Research in Applied Economics*, 6(1), 38-60. doi:10.5296/rae.v6i1.4309
- Joseph Nsabe Ndome, Lekam Ujong Ujong, & John Okri Inyang (2022). External Debt, Institutional Quality and Economic Development in Nigeria. *Nigerian Journal of Social & Development (Special Edition)*, A Publication of Faculty of Social Science, University of Calabar, Calabar – Nigeria
- Jilenga, M. T. & Helian, X. (2017). Institutional quality and economic growth in East African economies. *Turkish Economic Review*, 4(3), 282-289.

- James T., Bassey E., Ofem L., Chijioke M., (2021). Electric Power Deficit and Economic Growth in Nigeria: A Sectoral Analysis. *International Journal of Energy Economics and Policy*, ISSN: 2146-4553
- Kaasa, A., Kaldaru, H., & Parts, E. (2007). Social capital and institutional quality as factors of innovation: Evidence from Europe. *University of Tartu, Faculty of Economics and Business Administration Tartu University Press, Tartu*. [http:// www.tyk.ee](http://www.tyk.ee)
- Kunčič, A. (2014). Institutional quality dataset. *Journal of Institutional*
- Law, S. H. & Azman-Saini, W.N.W. (2008). The quality of institutions and financial development. *Munich Personal RePEc Archive (MPRA), MPRA Paper No. 12107, 1-19. MPRA Paper, University Library of Munich, Germany*.
- Mankiw, N. G., Romer, D. & Weil, D. N. (1992). A contribution to the empirics of economic growth. *The Quarterly Journal of Economics*. 107(2), 407–437.
- Nguyen, C., Su, T. and Nguyen, T. (2018) Institutional Quality and Economic Growth: The Case of Emerging Economies. *Theoretical Economics Letters*, 8, 1943-1956.
- Ofem Lekam Ujong (2014). Defeating the Poverty Cycle in Nigeria through Innovation and Industrial Revolution. *International Journal of Scientific and Research Publications*, 4(7),2250-3153
- Ofem L. U., Adie J. A. (2020). An analysis of the impact of tariffs on economic growth in Nigeria // Economic problems and legal practice. 2020. XVI(2), 53-58.
- Ogbuagu, U. R. & Chijioke, M. I. (2018). Credit market development and institutional imperatives in Nigeria. *Multi-Disciplinary Journal of Research and Development Perspectives*, 7(1), 108-118. Institutional based. Published by the Faculty of Social Sciences, University of Calabar, Calabaar, Nigeria
- Ogbole, F. O. Amadi, S. N. and Essi, I. D. (2011) “Fiscal Policy: Its Impact on Economic Growth in Nigeria (1970-2006)” *Journal of Economics and International Finance* 3 (6) 407-417.
- Olawunmi, O. and Ayinla, T. A (2007) “Fiscal Policy and Nigerian Economic Growth”. *Journal of Research in National Development*. 5(2) 1929.
- Omitogun, O. and Ayinla, T. A. (2007). “Fiscal Policy and Nigeria Economic Retirement, www.termpaperwarehouse.com
- Parks, B., Buntaine, M., Buch, B., (2017). Why developing countries get stuck with weak institutions and how foreign actors can help.
- Pesaran, M., Shin, Y., & Smith, R. (2001). Bounds testing approaches to the analysis of level relationships. *Journal of Applied Econometrics Princeton University Press.*, 16(3),289-326.
- Rodrik, D. & Subramanian, A. (2003). The Primacy of Institutions (and what this does and does not mean). <https://www.imf.org/external/pubs/ft/fandd/2003/06/pdf/rodrik.pdf>
- Romer, P. M. (1990). Endogenous technological change. *Journal of Political Economy*, 98(5), S71-S102.
- Sabir, S., Rafique, A. & Abbas, K. (2019). Institutions and FDI: evidence from developed and developing countries. *Financial Innovation*, 5(8), 1-20.
- Solow, R. M. (1956). A Contribution to the Theory of Economic Growth. *The Quarterly Journal of Economics*, 70(1), 65–94.

- Swan, T. W. (1956). Economic growth and capital accumulation. *Economic Record*, 32(2), 334–361. *Systems Research*, 11(1), 44-58.
- Yushi J. & Borojo D.G. (2018). The impacts of institutional quality and infrastructure on overall and intra-Africa trade. *Economics Discussion Papers*, 2018-75, *Kiel Institute for the World Economy*.
- World Bank. (2023). Nigeria. World Development Indicators. [https:// www.worldbank.org](https://www.worldbank.org).