

Public Debt Crisis in Nigeria: Causes and Consequences

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Abstract

Nigeria's public debt crisis has been caused and exacerbated by a range of factors, including fiscal mismanagement, overreliance on external borrowing, weak revenue generation, and inefficiencies in public spending. Corruption, political instability, and economic vulnerabilities exacerbate the situation, leading to a cycle of debt accumulation. There are significant consequences, including macroeconomic instability, increased debt servicing burdens, reduced fiscal space for social spending, and vulnerability to external shocks. A comprehensive approach was proposed to address this crisis, focusing on fiscal discipline, revenue mobilization, prudent debt management, structural reforms, and anti-corruption efforts. Collaboration among policymakers, stakeholders, and international partners is crucial to fostering transparency, accountability, and sustained economic growth.

Keywords: *Public Debt, Debt Overhang, Debt Servicing, Fiscal Policy, Revenue Mobilization, Debt Sustainability, Budget Deficit, Debt-to-GDP Ratio, Inflation, Investment,*

1. INTRODUCTION

A complicated chronicle is unveiled when delving into the origins of Nigeria's public debt, intricately woven by diverse elements. From the dawn of its independence, Nigeria has viewed borrowing as a pivotal strategy for fostering infrastructure enhancement and propelling economic advancement (Okonkwo & Egbulonu, 2015). Nevertheless, inefficiencies in management and rampant corruption have marred the effective deployment of these acquired funds, precipitating an escalating dilemma of indebtedness. The prosperity derived from oil during the 1970s prompted unrestrained fiscal borrowings, hence initiating a relentless pattern of indebtedness that endures contemporaneously. Prominent external financiers like the International Monetary Fund (IMF) and World Bank have considerably influenced Nigeria's financial obligations landscape, frequently mandating strict austerity measures and comprehensive reform strategies as prerequisites for monetary aid (Okonkwo & Ojima, External Debt and the Nigerian Economy, 2018). This heritage looms over Nigeria's economy

presently through excessive costs associated with servicing debts and constricted budgetary leeway for critical societal expenditures.

Underestimating the importance of Nigeria's public debt dilemma would be a grave mistake, as it poses a severe jeopardy to both the economic equilibrium and progression of the nation. Elevated public indebtedness precipitates numerous undesirable effects such as escalated costs for obtaining loans, diminished allocations for crucial services like health care and education, alongside an escalated likelihood of failing to meet financial obligations (Ajayi & Edewusi, 2020). The challenge in meeting these debt commitments can lead to an adverse cycle of economic fluctuation and obstruct efforts aimed at prolonged development. In Nigeria, this perilous situation regarding public debt is exacerbated by excessive dependence on foreign loans, improper allocation of resources, and inadequate fiscal strategies (Ehikioya & Omankhanlen, 2021). To mitigate this predicament effectively, those formulating policies must exercise caution in managing debts, boost methods for generating revenue, and focus on channeling investments into areas promising significant socio-economic benefits with the aim of fostering enduring economic progress. Solving Nigeria's public debt dilemma is vital for realizing its potential economically and guaranteeing a thriving future for its populace (Mertl, 2022).

Objectives of the Study

The primary purpose of this study is to investigate public debt crisis in Nigeria. Its root causes and consequences. While the specific objectives include:

- To determine the root reasons of Nigeria's public debt crisis, such as corruption, over reliance on foreign borrowing, and poor fiscal management.
- To investigate the consequences that result from the crisis, including less fiscal room for social spending and macroeconomic volatility.

2. CAUSES OF PUBLIC DEBT CRISIS IN NIGERIA

Government Spending

In Nigeria, the crisis of public debt is heavily influenced by government expenditures. The reckless use of government resources on projects that are not critical has played a major role in escalating the debt burden. Lately, fiscal strategies employed by the government have proven to be unsustainable, causing an expansion in budget deficits and an increased dependence on foreign loans for recurrent expenditures (Ugwuanyi & Odinakachukwu, 2023). Such patterns of elevated spending by the government without adequate income generation have exerted severe pressure on the economic system, prompting inflation and diminishing the value of local currency. It's crucial for Nigerian governments to reassess their expenditure priorities, enhance both transparency and accountability in managing financial resources, and take decisive steps to eliminate unnecessary spending. In absence of these adjustments, it's probable that the situation concerning public debt will deteriorate further, endangering both economic stability and prospects for development within the country (Elom-Obed, Odo, Elom, & Anoke, 2017).

Revenue Generation Challenges

The obstacles to generating revenue in Nigeria constitute a complicated, multi-dimensional problem that obstructs the nation's capacity for enduring management of its public debt dilemma. Key problems originate from systemic complications like an excessive dependency on income from oil and widespread corruption within the system of collecting taxes (Ehiedu,

Onuorah, & Owonye, 2022). The Nigerian economy is overly reliant on the exportation of oil, making it susceptible to swings in international prices for oil. Such reliance curtails opportunities for diversifying sources of income and subjects the country to considerable economic uncertainties. Furthermore, pervasive corruption during taxation processes results in substantial leakage of revenues, aggravating the issues related to revenue generation confronted by authorities. Tackling these obstacles necessitates thorough improvements both within systems managing taxations and across wider economic frameworks, aiming at fostering sustainable methods of generating revenue while minimizing dependence on unpredictable oil incomes, this is pivotal for establishing a fiscal setting that is steadier and more robust (Senib, Oduntan, Uzoma, Senib, & Oluwaseun, 2016).

External Borrowing

The practice of securing foreign loans by the Nigerian government has played a crucial role in escalating the crisis associated with public indebtedness within the nation. Even though Nigeria is endowed with abundant resources, it has persistently depended on international borrowing to cover its fiscal shortfalls (Akhanolu, Babajide, Akinjare, Oladeji, & Osuma, 2018). This approach bears complex consequences. On one side, acquiring funds from external sources might enable finance for pivotal infrastructure endeavors and projects aimed at advancement, potentially catalyzing economic enhancement. Nonetheless, elevating levels of foreign indebtedness may also trigger heightened susceptibility to worldwide financial disturbances and devaluation of currency, as evidenced in the scenario of Nigeria. The obligations related to debt repayment have evolved into a heavy burden, steering resources away from vital governmental functions and schemes for social benefit. Consequently, there exists an imperative need for striking a meticulous equilibrium between utilizing external funds for growth purposes and maintaining debt management practices that are sustainable so as not to intensify the crisis tied to public indebtedness (Ehiedu, Oditia, & Kifordu, 2020).

3. CONSEQUENCES OF PUBLIC DEBT CRISIS

Inflation

The persisting issue of inflation in Nigeria exacerbates the nation's public debt crisis, heightening economic instability. As goods and services become more expensive, people's purchasing power declines. The government significantly borrows to cover budget shortfalls, amplifying inflationary tendencies by boosting the money supply without a matching increase in output. Such an expansionist fiscal strategy might induce demand-pull inflation when overall demand outstrips what the economy can produce in terms of goods and services (Elom-Obed, Odo, Elom, & Anoke, 2017). Moreover, cost-push inflation could arise if production costs escalate, leading to consumers facing elevated prices as these expenses are shifted onto them. Tackling inflation necessitates employing both monetary and fiscal strategies to regulate money circulation, ensure price stability, and foster enduring economic advancement (Ehikioya & Omankhanlen, 2021).

Exchange Rate Volatility

Within the crisis of public debt in Nigeria, the variability of exchange rates stands as a pivotal element. It profoundly influences the nation's costs associated with borrowing and its capability to sustain debt. Oscillations in exchange rates may precipitate elevated expenditures for

servicing debt, particularly when debts are denominated in currencies other than the local one. The indeterminacy and capriciousness linked to movements in exchange rate pose hurdles for Nigeria's government as it strives to handle its obligations concerning debt adeptly (Essien, Agboegbulem, Mba, & Onumonu, 2016). Such volatility is capable of diminishing confidence among investors regarding the economic climate of the country, possibly inciting withdrawals of capital and further debilitation of the exchange rate. Therefore, it behooves policy architects to integrate considerations surrounding exchange rate variability into strategies devised for managing debt, aiming at bolstering sustainable advancement economically and ensuring financial equilibrium within Nigeria. Grasping how fluctuations in exchange rates transpire becomes imperative for curtailing hazards tied to accrument and repayment duties related to public indebtedness specific to Nigerian circumstances (Senib, Oduntan, Uzoma, Senib, & Oluwaseun, 2016).

Economic Growth Impacts

In Nigeria, the implications of economic expansion on public debt dilemma are pivotal for comprehension. Swift growth in the economy could enhance governmental income, enabling practices for managing debt that are more sustainable. Nonetheless, should the growth of the economy be erratic or lethargic, this might impede the nation's prowess in adhering to its debt responsibilities (Eze, Nweke, & Atuma, 2019). Observations on how economic upturns influence levels of public indebtedness can be discerned through their effects on critical macroeconomic parameters like rates of GDP augmentation, inflation tendencies, and currency exchange fluctuations. Diminished paces of economic advancement may precipitate an elevated ratio of debt-to-GDP, rendering the servicing of debts a burdensome endeavor (Efanga, Etim, & Jeremiah, 2020). Furthermore, repercussions from augmentations in economics do not spread uniformly amongst various sectors; certain fields might undergo heftier expansions than others, possibly aggravating disparities in wealth and magnifying divisions between affluent individuals and those less economically favored (kozul, 2023).

Unemployment

Efforts towards addressing joblessness in Nigeria persistently encounter hurdles, resulting in an enduring predicament with complex outcomes. A significant consequence is its detrimental effect on the nation's economic advancement. Elevated unemployment levels impede economic progress through diminishing consumer expenditures, which subsequently leads to a reduced demand for products and services. This scenario may cause a decline in efficiency and growth of the GDP (Igberi, Odo, Anoke, & Nwachukwu, 2016). Furthermore, continuous lack of employment aggravates societal problems like impoverishment and criminal activities, imposing additional burdens on national resources. The incessant cycle of joblessness feeds into an endless loop of economic fluctuation and civil discord, underscoring the critical necessity for elaborate policy actions targeting the fundamental reasons behind Nigeria's unemployment issue (Ugwuanyi & Odinakachukwu, 2023). Concentrating on generating lasting job prospects via specific investment ventures and skill enhancement programs might offer a strategy to disrupt this pattern, thereby facilitating sustained development and coherence (Iwuoha, 2020).

Poverty

In Nigeria, the dilemma of poverty encompasses multiple dimensions, impacting both the nation's societal fabric and its economic structure significantly. The origins of this predicament are intricate, spanning from uneven economic distribution and barriers to high-quality educational opportunities to inadequate healthcare provisions and scarce job prospects. Consequently, many individuals find themselves unable to afford basic life necessities, perpetuating a cycle that stifles development on a broad scale. The crisis of public debt in Nigeria adds insult to injury by redirecting potential resources for combating issues related to poverty into debt repayment (Oladipo, Efuntade, Ayo, & Taiwo, 2020). In the absence of effective measures aimed at mitigating poverty while fostering enduring economic expansion, Nigeria remains entangled in the adverse repercussions financial instability imposes upon its most defenseless citizens. Tackling poverty necessitates an all-encompassing strategy that elevates social support schemes alongside investments in education and healthcare infrastructure with an emphasis on creating employment avenues as means towards diminishing disparities within communities (Mertl, 2022).

Social Services Cutbacks

In Nigeria, slashing social services has intensified the crisis of public debt by magnifying societal disparities and inflating the divide between the rich and the poor. Cutting budgets for vital amenities such as medical care, education, and community welfare has stripped at-risk groups of crucial lifelines, propelling them deeper into impoverishment and eroding their capacity to make significant economic contributions. Consequently, this erosion undermines the nation's collective cohesion, obstructing strides towards enduring development and amplifying existing predicaments (Kozul, 2023). The destructive repercussions of these reductions underscore an immediate necessity for all-encompassing policy adjustments that focus on social funding and tackle disparity's fundamental sources rather than merely zeroing in on temporary budget tightening strategies. Absent a focused drive to rejuvenate and amplify social services, Nigeria faces a grim future where its public debt emergency worsens, ensnaring it within a relentless whirlpool of fiscal chaos and societal fragmentation. (Iwuoha, 2020)

Government Stability

In navigating the economic progression and adeptly handling crises related to public debt, the steadfastness of government infrastructure is indispensable. Within Nigeria's confines, the matter of governmental steadiness takes on critical importance due to its ramifications for policy durability and bolstering confidence among investors. A government that enjoys stability has the luxury of enacting financial strategies over extended periods that tackle issues surrounding public indebtedness in a lasting manner. On the flip side, instability within politics, marked by regular shifts in governance or policy directions can heighten crisis situations concerning public debt by fostering an environment rife with unpredictability for market participants. As underscored by (Ehiedu, Onuorah, & Owonye, 2022), frequent upheavals politically have significantly weighed down Nigeria with a hefty load of public debt obligations. For effective resolution of challenges pertaining to public indebtedness, it's imperative for those formulating policies to place high emphasis on reinforcing governmental solidity via practices marked by transparency in administration, institutions functioning efficiently, and uniformity in fiscal directives to rejuvenate faith among investors while propelling economic advancement forward (Oladipo, Efuntade, Ayo, & Taiwo, 2020).

Public Trust in Government

The confidence of the populace in their government plays a pivotal role in successfully enacting economic policies, particularly when addressing crises involving public debt. If the people believe in their government's intentions and actions, they are inclined to back efforts aimed at overcoming fiscal difficulties. Conversely, if there is a deficit of trust from the public, bringing about necessary changes and austerity initiatives can become obstructed (Ehikioya & Omankhanlen, 2021). Regarding Nigeria's situation, with its public debt hitting distressing peaks, it is critical to re-establish faith in governmental operations to secure backing for proficient strategies managing debt. Openness, responsibility, and effective dialogue stand out as fundamental factors for rejuvenating trust among Nigerians. Lacking assurance in governmental capabilities to navigate through the debt predicament will complicate finding enduring solutions. Henceforth ensuring public confidences becomes an essential aim for those formulating policy directed at confronting Nigeria's indebted challenges.

Policy Making Constraints

In Nigeria, the constraints in formulating policies significantly impact the existing crisis of public debt. A central issue is the absence of clarity and responsibility in making decisions, which frequently causes misallocation of resources and misuse of public assets (Ugwuanyi & Odinakachukwu, 2023). Moreover, political instability along with regular shifts in governmental leadership obstructs effective long-term strategies and their execution regarding fiscal matters. The meddling by groups with vested interests and lobbying activities further muddles the process of policy formulation, often leading to choices that favor immediate benefits at the expense of enduring viability. Such restrictions don't just escalate public indebtedness but also intensify economic difficulties Nigeria faces. Tackling these hurdles in policy formulation is vital for devising and applying successful measures to alleviate the crisis related to public debt, steering towards a trajectory of lasting economic development.

Impact on Foreign Direct Investment

The economic progress of a nation significantly depends on the Foreign Direct Investment (FDI), and Nigeria's public debt quandary has notably influenced FDI streams. Elevated public indebtedness levels may ward off external financiers due to apprehensions regarding the nation's repayment capacity and its capability to uphold fiscal balance. Nations grappling with augmented levels of public indebtedness generally allure lesser FDI in comparison to their low-debt counterparts (Saifuddin, 2016). This fiscal distress situation within Nigeria precipitates enhanced vagueness within its investment milieu, rendering it unfavorable for overseas enterprises' participation in the country. Consequently, this scenario might impede Nigeria's economic upliftment and progression by curtailing the infusion of foreign funds into its economic framework.

Regional Economic Stability

Ensuring economic constancy across various Nigerian regions is pivotal for the nation's comprehensive financial well-being. The dynamic interaction among different areas considerably influences Nigeria's fiscal outcomes, affecting elements like commerce, capital infusion, and the distribution of resources. Kozul (2023) underscores the critical nature of stable regional economies within Nigeria, noting how imbalances in fiscal progress between areas might intensify socio-political discord, potentially spiraling into heightened public debt

predicaments. Thus, initiating measures to encourage uniform financial prosperity and advancement throughout every region is vital for overall fiscal steadiness. By confronting disparities in regional economies via specific strategies and funding initiatives, Nigeria can forge an economy that is more robust and capable of weathering uneven development hazards across its territories. Consequently, it becomes imperative for decision-makers to concentrate on approaches that bolster regional economic equilibrium as a safeguard against looming debt crisis threats.

4. MITIGATION STRATEGIES FOR NIGERIA'S PUBLIC DEBT CRISIS

Fiscal Policy Reforms

Reforming fiscal policies is imperative for tackling Nigeria's crisis of public debt. Enacting strategies to heighten tax revenue, curtail profligate expenditures, and elevate the clarity of budgetary procedures can markedly influence the stabilization of the nation's financial health. By improving adherence to tax regulations and expanding the scope of taxable entities, Nigeria could augment its financial inflows while ensuring an equitable distribution of financial obligations among its citizens (Owonye & Obonofiemro, 2022). Furthermore, minimizing unnecessary outlays and focusing on critical services might aid in diminishing fiscal shortfalls and prevent further accumulation of national debt. Enhancing the transparency in how budgets are managed could also foster confidence amongst local and global partners, creating a favorable climate for investments and economic progress. Through such reforms in its fiscal approach, Nigeria has the potential to secure long-term economic advancement while alleviating concerns surrounding its escalating debt (Essien, Agboegbulem, Mba, & Onumonu, 2016).

Debt Restructuring

The challenge of debt restructuring within Nigeria is intricate, demanding solutions that cover all bases. The nation's crisis concerning public debt urgently calls for a reconfiguration of current debt loads into something more manageable. Key goals of an efficacious process to restructure debt include easing pressures related to short-term liquidity and tackling concerns over sustainability in the long haul. This may entail negotiations with lenders to lengthen due dates, cut interest costs, or grant forgiveness for parts of the debts (Ehikioya & Omankhanlen, 2021). Nonetheless, it's vital these approaches are applied with caution to avoid negatively impacting Nigeria's reputation amongst creditors and confidence among investors. Achieving successful debt restructuring hinges on striking a precise balance between satisfying immediate financial dues and preserving economic stability for future generations (Senib, Oduntan, Uzoma, Senib, & Oluwaseun, 2016). Hence, strategic foresight along with rigorous implementation stand as critical components in steering through Nigeria's crisis regarding public indebtedness via a framework adeptly crafted for restructuring purposes

Economic Diversification

A critical factor in tackling Nigeria's public debt issue is the diversification of its economy, given that an excessive dependency on oil income has made the economic landscape extremely prone to risks. The government, over recent times, has acknowledged the necessity for broadening the economic base beyond oil to enhance resilience across all economic fronts. Through pushing investment into areas like agriculture, industry, and services, Nigeria stands

a chance at forging fresh avenues for both revenue and job creation which can dull the effects brought about by external disruptions (Oladipo, Efuntade, Ayo, & Taiwo, 2020). Yet achieving such economic breadth demands a unified effort from both governmental bodies and private sector participants ensuring growth and progress are sustainable paths forward. Thus, it falls upon policymakers to elevate strategies fostering diversification while also cultivating conditions favorable for facilitating resources into sectors other than oil as a safeguard against the perils tied with relying solely on a single commodity (Jolo, Ari, & Koç, 2022).

5. CONCLUSION

A summary of the origins and impacts of Nigeria's public debt dilemma shows a tangled mix of elements leading to the present predicament. The chief reasons are an excessive reliance on income from oil, a lack of economic diversification, inadequate financial governance, and graft (Ehiedu, Onuorah, & Owonye, 2022). These issues have led to soaring levels of public debt in the nation, burdening the government's capacity for fulfilling its fiscal duties and investing in key areas like education and healthcare. The effects of this crisis on debt are widespread, affecting economic advancement, programs for social aid, and general stability within the country. Tackling these fundamental issues while enacting prudent monetary strategies is vital for overcoming the difficulties associated with Nigeria's public debt issue and guaranteeing enduring progress into the future.

Importance of Addressing the Crisis

The criticality of confronting Nigeria's public debt dilemma is undeniably paramount. Not addressing this quandary with efficacy might culminate in dire financial downturns, such as dwindling faith from investors, escalated costs of borrowing, and a subsequent dip in economic expansion. Additionally, an excessive public debt load may limit the government's capacity to launch vital societal initiatives and further investments in infrastructural advancements, thereby intensifying poverty and disparities within the nation. As underscored by (Ehikioya & Omankhanlen, 2021), perilously high debt ratios can precipitate currency devaluation alongside inflation, placing additional strain on the common folk. It is crucial to navigate out of the public debt predicament through all-encompassing fiscal amendments, adept strategies for managing debts, and fostering resilient economic development to preserve Nigeria's monetary stability and secure its populace's future affluence. Neglecting this crisis spells potential calamity for the nation's socio-economic health; hence it is urgent for policy makers to act with resolve.

Policy Recommendations

1. To start with, the administration in Nigerian government should enforce stringent financial regulations to limit excessive loan-taking and encourage responsible expenditure among public entities. This could entail passing laws that cap borrowing at a specific portion of GDP alongside bettering the transparency regarding how debts are managed.
2. Diversifying avenues for revenue well beyond oil exports is crucial for ensuring enduring economic firmness. Possible strategies include channeling funds into areas such as farming, industrial creation, and service provisions to cultivate an economy that is both diverse and robust against shocks.

3. Lastly, it's imperative for decision-makers to allot investments towards bolstering infrastructure, educational systems, and healthcare services with the goal of spurring economic advancement while diminishing dependency on foreign loans.

REFERENCES

- Akhanolu, I. A., Babajide, A. A., Akinjare, V., Oladeji, T., & Osuma, G. (2018). The effect of public debt on economic growth in Nigeria: An empirical investigation. *International Business Management*, 436-441.
- Ajayi, I. E., & Edewusi, D. G. (2020). Effect of public debt on economic growth of Nigeria: An empirical investigation. *International Journal of Business and Management Review*, 8(1), 18-38.
- Ehiedu, C. V., Odita, O. A., & Kifordu, A. A. (2020). Financial integration and growth volatility nexus: The Nigeria experience. *Webology*, 17(2), 404-415.
- Ehiedu, V. C., Onuorah, A. C., & Owonye, B. (2022). Effect of revenues leakages on economic development in Nigeria. *Journal of Economics and Finance (JEF)*, 39-48.
- Ehikioya, B., & Omankhanlen, A. (2021). Impact of public debt on economic growth: Evidence from Nigeria. *Montenegrin Journal of Economics*, 17.
- Elom-Obed, O. F., Odo, S. I., Elom, O. O., & Anoke, C. I. (2017). Public debt and economic growth in Nigeria. *Asian Research Journal of Arts & Social Sciences*, 1-16.
- Essien, S. E., Agboegbulem, N. T., Mba, M. K., & Onumonu, O. G. (2016). An empirical analysis of the macroeconomic impact of public debt in Nigeria. *CBN Journal of Applied Statistics*, 7(1), 125-136.
- Eze, O. M., Nweke, A. M., & Atuma, E. (2019). Public debts and Nigeria's economic growth. *IOSR Journal of Economics and Finance*, 24-40.
- Igberi, C. O., Odo, S. I., Anoke, C. I., & Nwachukwu, U. G. (2016). The implications of rising public debt on unemployment in Nigeria: An auto regressive distributed lag. *Asian Research Journal of Arts & Social Sciences*, 1-15.
- Iwuoha, J. (2020). Rising unemployment in Nigeria: Public debt to the rescue? *ERN: Africa*.
- Jolo, A., Ari, I., & Koç, M. (2022). Driving factors of economic diversification in resource-rich countries via panel data evidence. *Journal of Resources Policy*, 80, 103992. DOI: 10.1016/j.resourpol.2021.103992.
- Kehinde, J. S. (2014). Debt and debt volatility: Effect on economic growth in Nigeria. *Asian Economic and Financial Review*, 2(2), 325-329.

- kozul, J. (2023). Public debt as a determinant of the convergence of Bosnia and Herzegovina in the EU accession process. *Economic Research-Ekonomska Istraživanja*, 36(1), 1168-1192. DOI: 10.1080/1331677X.2022.2031045.
- Mertl, J. (2022). Public debt amidst low interest rates: The magic pentagon and its significance for economic and social policy. *Journal of Economic Issues*, 56(4), 1168-1192. DOI: 10.1080/00213624.2022.2031045.
- Nwamuo, C., & Agu, S. (2021). Public debt and economic growth: The Nigerian experience. *International Journal of Research and Scientific Innovation*.
<https://doi.org/10.51244/ijrsi.2021.8505>.
- Okonkwo, O. N., & Egbulonu, G. K. (2015). Does economic growth influence government expenditure? *International Journal of Development and Economic Sustainability*.
- Okonkwo, O. N., & Ojima, D. (2018). External debt and the Nigerian economy. *International Journal of Innovative Social Sciences & Humanities Research*, 6(4), 14-25.
- Oladipo, O., Efuntade, O., Ayo, F., & Taiwo, C. (2020). The impact of external debt on stimulating economic growth in Nigeria: Mediating on the role of public sector financial management. <https://doi.org/10.2139/ssrn.3766122>.
<https://doi.org/10.2139/ssrn.3766122>.
- Owonye, B., & Obonofiemro, G. (2022). Public debt and its effect on the Nigerian economy. *International Journal of Advanced Economics*. <https://doi.org/10.51594/ijae.v4i8.401>.
- Saifuddin, M. (2016). Public debt and economic growth: Evidence from Bangladesh. *Journal of Management and Business Research Economics and Commerce*, 16(5), 65-73.
- Senib, V., Oduntan, E., Uzoma, O., Senib, E., & Oluwaseun, A. (2016). Public debt and external reserve: The Nigerian experience (1981–2013). *Economics Research International*, 1-7. <https://doi.org/10.1155/2016/1957017>.
- Ugwuanyi, L., & Odinakachukwu, N. A. (2023). Public debt and the Nigerian economy: 1987 – 2020. *Journal of Business and African Economy*.
<https://doi.org/10.56201/jbae.v8.no1.2022.pg55.66>.
- World Bank. (2018). World Development Indicators. <https://data.worldbank.org/data-catalog/world-development-indicators>