

GLOBALIZATION AND ITS CHALLENGES IN NIGERIA: A STUDY OF THE RISE OF FUEL PRICES IN ADAMAWA STATE

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Abstract

This study examines the socio-economic impacts of globalization on Nigeria, focusing specifically on the domestic consequences of global oil market dynamics. It explores how international economic integration, under the framework of neoliberalism, influences local fuel pricing mechanisms. Centered on an empirical and analytical case study of Adamawa State, located in northeastern Nigeria, the research investigates the direct and indirect impacts of escalating petroleum costs on regional transport, food inflation, small-scale enterprises, and household welfare. Using both quantitative survey data and qualitative structured interviews gathered across three major zones in Adamawa State (Yola, Mubi, and Numan), the study maps out the severe economic distortions caused by structural market reforms, currency devaluation, and subsidy removal policies. The findings reveal that globalization has accelerated internal economic precarity, leaving localized frontier economies like Adamawa highly vulnerable to global commodity shocks without adequate institutional safety nets. The paper concludes by presenting strategic policy recommendations aimed at stabilizing local energy supply chains, revitalizing domestic refining capacity, and instituting regional structural palliatives.

Keywords: Globalization, Neoliberalism, Fuel Price Hikes, Adamawa State, Economic Vulnerability, Subsidy Deregulation.

Introduction

Background of the Study

Globalization is the defining systemic feature of the late 20th and early 21st centuries. It characterizes the integration of national economies, cultures, technologies, and policies into a single interconnected global network. While champions of globalization argue that open borders, free market trade, and deregulation yield unprecedented cross-border economic growth, critics highlight structural inequalities that emerge when peripheral developing nations integrate directly with dominant industrial centers.

Nigeria presents a complex paradox within the global economy. It is a nation abundant in crude oil reserves, yet it remains fundamentally dependent on international markets for refined petroleum products. This structural anomaly exposes its internal economy to volatile shifts in global market dynamics.

GLOBAL PETROLEUM MARKETS
(Crude Oil Volatility, Refined Import Pricing, USD)

NIGERIAN MACROECONOMIC
(Neoliberal Deregulation, Subsidy Removal, Naira)

ADAMAWA STATE FRONTIER
(Hyper-Inflation, High Transports, Informal Trade)

Historically, the Nigerian government buffered its citizens from global fuel market shocks by subsidizing Premium Motor Spirit (PMS). However, under persistent pressure from international financial institutions like the International Monetary Fund (IMF) and the World Bank, alongside escalating national debt burdens, Nigeria implemented aggressive deregulation policies. The complete removal of the fuel subsidy, combined with the floating of the Nigerian Naira (NGN), linked domestic fuel pump prices directly to global crude costs and international transport logistics.

Statement of the Problem

The implementation of market-driven pricing systems for petroleum has induced widespread economic shocks across Nigeria. These shocks are felt unevenly across geographical regions. Frontier states situated far from major coastal ports and oil infrastructure endure disproportionate impacts due to compounding domestic distribution costs and local logistics hurdles.

Adamawa State, located in Nigeria's northeastern periphery, suffers uniquely from these dynamics. The state grapples with structural vulnerabilities, including a fragile agricultural economy, historical security disruptions from regional insurgencies, and long, costly supply routes stretching from southern coastal ports. When global forces dictate a rise in fuel prices, the immediate regional consequences in Adamawa manifest as hyper-inflated transportation fees, spikes in staple food prices, business closures, and declining household purchasing power. This research addresses the core systemic problem: How does global economic policy and deregulation translate into localized economic hardship within an economically marginalized peripheral state like Adamawa?

Literature Review and Theoretical Framework

The Concept of Globalization

Scholars define globalization as a multi-dimensional process altering social, economic, and political relations across continents. It is marked by the rapid movement of capital, goods, technology, and services. Economic globalization operates on the principle that market forces, free from state interference, optimize resource allocation globally. School of Thought Key Perspective on Globalization Implications for Developing Nations Hyper-globalists National borders are becoming obsolete due to integrated market forces. Total integration drives institutional modernization and efficiency. Skeptics Globalization is merely an expansion of regional trade blocs dominated by elites. Peripheral nations remain restricted to exporting raw

commodities. Transformation lists Globalization reshapes state power and local economies in unpredictable, uneven ways. Creating a mix of domestic wealth and systemic vulnerability.

Neoliberalism and Subsidies in Developing Nations

Neoliberal theory asserts that state interventions, such as price controls and consumer subsidies, distort market efficiency, cause fiscal deficits, and encourage corrupt rent-seeking behaviors. International financial agencies often condition developmental loans on austerity measures, requiring the removal of consumer subsidies. In Nigeria, the fuel subsidy regime was historically viewed by citizens as the primary social contract benefit derived from the nation's vast oil wealth. Analysts note that while the subsidy drained billions from national budgets annually, its abrupt removal without local refining capacity created an economic shockwave. Without domestic production, the state exchanged a fiscal deficit problem for a structural inflation problem.

Empirical Review of Fuel Price Volatility in Nigeria

Research confirms that fuel prices serve as a structural anchor for the broader Nigerian economy. Because the national power grid is unreliable and public transit systems are underdeveloped, individual citizens and commercial businesses rely heavily on petroleum for daily transport and localized power generation.

Transportation Links: Higher fuel costs directly raise logistical expenses across the country, increasing the market price of goods traveling long distances.

Agricultural Disruption: Mechanized farming tools and transport vehicles incur higher operating expenses, raising production costs at the farm gate.

Asymmetric Regional Impact: Northern states face higher retail prices than southern states due to the extra costs of trucking fuel from coastal depots.

Dependency Theory

This study is guided by Dependency Theory, pioneered by scholars such as Raul Prebisch and Walter Rodney. The theory posits that global wealth and resources flow from a peripheral group of poor, underdeveloped states to a core of wealthy, industrialized nations.

Applying Dependency Theory to this case study reveals clear structural inequalities

The Structural Inequality: Nigeria exports raw crude oil to core nations and imports expensive, refined petroleum products priced in foreign currencies (US Dollars).

The Peripheral Vulnerability: This dynamic leaves the domestic economy deeply vulnerable to changes in foreign exchange rates and international market policies.

The Internal Periphery: States like Adamawa function as an internal periphery. They sit far from central economic hubs, meaning they bear the compounding brunt of these external shocks.

3. Research Methodology

3.1 Research Design

This study employs a mixed-methods research design, blending quantitative surveys with qualitative key informant interviews. This dual approach allows for a broader empirical assessment of economic indicators alongside detailed insights into human experiences.

3.2 Area of Study

The study focuses on Adamawa State, situated in northeastern Nigeria. The state shares an international border with Cameroon and is split into three senatorial districts. To capture a balanced regional sample, data was collected from three key commercial centers representing these districts: Yola (Adamawa Central): The administrative capital and a central service and consumer hub. Mubi (Adamawa North): A bustling commercial border town driven by regional agricultural trade. Numan (Adamawa South): A prominent agrarian and local manufacturing community.

3.3 Data Collection Instruments

Structured Questionnaire: Structured with 5-point Likert scales alongside categorical items tracking household expenditures, transport prices, and income levels.

Key Informant Interview Guide: Focused open-ended questions designed to examine structural supply-chain challenges, informal market adaptations, and institutional challenges.

3.4 Method of Data Analysis

Quantitative data was processed using statistical software to generate descriptive statistics, frequency tables, and percentage distributions. Qualitative data was analyzed using thematic content analysis, matching field narratives with the study's core theoretical framework.

4. Data Presentation, Analysis, and Discussion

4.1 Demographic Characteristics of Respondents

Data collected from the 400 survey participants indicated that 64% identified as male and 36% as female. This distribution reflects the high concentration of men working within the regional transport and commercial trading sectors.

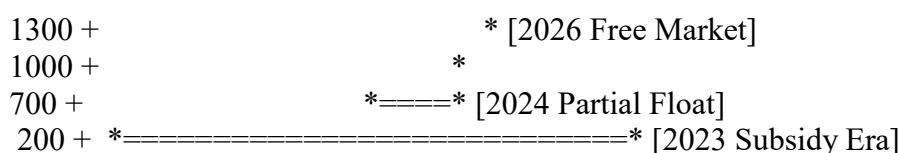
RESPONDENT ACCORDING TO ECONOMIC SECTOR (n=400)

Transport Operations	(30%)
Market Trading/Agribusiness	(40%)
Micro/Small Enterprises	(20%)
Public Service/Salaried	(10%)

4.2 Trends in Fuel Price Transitions in Adamawa State

Field data shows that retail pump prices in Adamawa State consistently run higher than national averages. This price difference stems from transport costs from coastal depots and fuel diversion within informal cross-border trade networks.

Fuel Price Trend (NGN per Liter) vs. Key Policy Phases



4.3 Quantitative Analysis of Socio-Economic Impacts

Table 4.1: Perceived Impact of Fuel Price Hikes on Operational Overhead and Well-being

This table displays responses on how rising fuel costs affect daily business and living expenses.

Impact Variable	Strongly Agree	Agree	Undecided	Disagree
Strongly Disagree	Total			
Transport Costs Cripple Profit Margins	280 (70%)	90 (22.5%)	10 (2.5%)	
15 (3.75%) 5 (1.25%) 400 (100%)				
Food Items Experience Hyper-Inflation	310 (77.5%)	75 (18.75%)	5 (1.25%)	8
(2.0%) 2 (0.5%) 400 (100%)				
Alternative Power Costs Hurt Business	245 (61.25%)	120 (30.0%)	15 (3.75%)	14
(3.5%) 6 (1.5%) 400 (100%)				
Household Consumption Has Dropped	295 (73.75%)	85 (21.25%)	8 (2.0%)	10
(2.5%) 2 (0.5%) 400 (100%)				

The survey results reveal high consensus: over 90% of respondents agree that rising fuel costs cause high inflation and put significant strain on household incomes and business operations.

Table 4.2: Shifts in Average Cost Metrics (Base Year 2023 vs 2026 Data)

This table compares costs before subsidy adjustments against conditions observed in 2026.

Cost Indicator (Averages)	Pre-Removal	Phase (2023)	Current	Phase (2026	Study)
Percentage Shift (%)					
Intra-City Transit Fare (Yola)	₦150.00	₦600.00	+300.00%		
Transit Fare (Yola to Mubi)	₦1,500.00	₦5,500.00	+266.67%		
Standard Bag of Local Grain	₦28,000.00	₦95,000.00	+239.29%		
Daily Generator Cost (SMEs)	₦1,200.00	₦4,500.00	+275.00%		

COST PERCENTAGE SHIFTS (2023 vs. 2026)

Intra-City Fare	[REDACTED]	+300%
Yola-Mubi Route	[REDACTED]	+267%
Local Grain Bag	[REDACTED]	+239%
SME Generator Cost	[REDACTED]	+275%

Discussion of Qualitative and Empirical Findings

The quantitative data highlights how global market integration filters down into local economic realities. When Nigeria liberalized its petroleum pricing to align with global markets, it removed a vital economic safety net. In an isolated border economy like Adamawa State, this change caused immediate economic disruptions.

Interviewed transport operators explained that higher fuel prices forced them to increase fares to cover their costs. These higher transport expenses directly caused food inflation. Farmers and traders in Mubi and Numan noted that the cost of moving agricultural harvests to urban markets in Yola grew significantly, driving up food prices for urban consumers.

Global Oil Deregulation Directly Raises Fuel Pump Prices Nationwide	Higher Transport Fares Truckers Raise Rates to Protect Profit Margins	Food Market Inflation Wholesalers and Retailers Pass Costs to Consumers
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Furthermore, micro-businesses like barbershops, tailoring shops, and cold-storage centers rely heavily on small gasoline generators due to power grid shortages. The rising cost of fuel has made running these generators unsustainable for many. This issue has led to widespread business closures, reduced working hours, and job losses across Adamawa State.

Revenue and Fiscal Distortions: The Macro-Micro Paradox

The Macro-Micro Paradox Explained

The removal of the fuel subsidy has created a sharp divide between federal revenue accounts and local household economies. At the macro level, deregulation has freed up significant financial resources for the federal government. These funds, previously spent on consumption subsidies, are redirected to the Federation Account Allocation Committee (FAAC) for sharing among federal, state, and local governments.

THE MACRO-MICRO PARADOX

GLOBAL NEOLIBERAL MARKET ADAPTATION

MACRO LEVEL (Federal) Expanded FAAC Pool Lower Fiscal Deficit Positive Balances	MICRO LEVEL (Adamawa) Household Deficits SME Failures Real-Income Losses
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At the micro level in Adamawa State, this newly freed capital has not translated into visible improvements in living standards. Instead, local populations face declining real incomes, rising operational costs for businesses, and reduced consumer demand. This structural gap occurs because state-level infrastructure investments take time to yield results, while the economic shocks of rising fuel prices are immediate and disruptive.

State Revenue Expansions vs. Regional Social Capital Investment

While Adamawa State's monthly statutory allocations have grown, local governments face complex spending trade-offs. The cost of running public services, upgrading state security, and purchasing institutional supplies has risen alongside general inflation.

Consequently, state development projects face funding delays. While local governments work to implement long-term relief programs, the immediate economic pressures on households outpace these interventions. This imbalance leaves vulnerable populations exposed to ongoing market volatility.

Geopolitical Implications and Informal Cross-Border Networks

The Adamawa-Cameroon Border Dynamic

Adamawa State shares a long, porous international border with the Republic of Cameroon. This geographic proximity shapes a dynamic informal trade network, particularly for petroleum products. For decades, subsidized Nigerian fuel was regularly smuggled into Cameroon, supplying a vibrant informal market known as Zouat-Zouoat.

NIGERIA

Adamawa State Frontier Hub

CAMEROON]

Border Markets / Informal Hubs

Price Rationalization	Cross-Border Shift	Price Parity Changes
Subsidies Removed	Smuggling Incentives	
Pump Prices Explode	Collapse as Margins	
To Match Real Costs	Shrink and Disappear	

The removal of the subsidy shifted this cross-border trade dynamic. As Nigerian pump prices rose toward international market rates, the profit margins that drove fuel smuggling shrank significantly. This shift has yielded complex economic outcomes:

Local Inventory Strain: Fuel volumes that were once smuggled now remain within the domestic retail market, yet local prices stay high due to structural distribution and shipping costs.

Border Town Disruptions: Border economies like Mubi, which historically relied on informal trading networks, face structural adjustments as informal fuel supply chains decline.

Regional Security and Economic Vulnerability

The economic strains of rising fuel prices also create broader regional risks. The Lake Chad basin and northeastern Nigeria have faced long-term security challenges from regional insurgencies. When structural reforms cause deep economic pressure, they can inadvertently heighten these security risks.

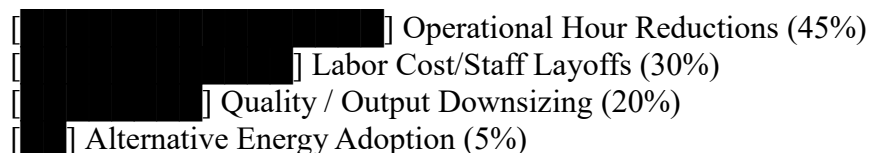
Unemployed youth, particularly those displaced from farming or informal transportation jobs by rising fuel costs, face limited economic options. Without targeted regional interventions, this prolonged economic precarity could undermine long-term security stabilization efforts across the region.

Microeconomic Adaptation Strategies

Enterprise Copying Frameworks

In response to high energy costs, small- and medium-sized enterprises (SMEs) across Adamawa State have adopted tactical survival strategies. These operational adjustments help businesses remain viable but often limit long-term growth.

SME SURVIVAL ADJUSTMENT TECHNIQUES



Operational Hour Reductions: Many micro-retailers choose to operate only during peak customer hours to minimize generator use.

Labor Cost Cuts: Small businesses frequently reduce their headcount or lower employee wages to balance rising utility and fuel expenses.

Product Downsizing: Food vendors and small manufacturers often reduce portions or adjust product quality to avoid raising prices beyond what local consumers can afford.

Household Expenditure Shifts

The erosion of purchasing power has forced families across Adamawa State to reallocate their monthly budgets. Households are making difficult trade-offs to prioritize essential survival needs.

PRIORITIZATION PIPELINE FOR HOUSEHOLD EXPENSES

HIGH PRIORITY Food and Staples (Grain, Tubers)

Emergency Healthcare Needs

MID PRIORITY Formal Education Fees

Essential Domestic Transport

LOW PRIORITY Structural Home Improvements

Clothing and Discretionary Goods

This structural shift toward immediate daily survival reduces overall consumer demand within the local economy. This drop in demand slows economic activity, making it harder for regional markets to recover from structural economic shocks.

8. Summary, Conclusion, and Policy Recommendations

8.1 Summary

This study examined how globalization policies connect to regional fuel price hikes, using Adamawa State as a case study. The research highlights a clear structural link: global neoliberal policies driven by international financial institutions led directly to national fuel subsidy deregulation.

In a peripheral border economy like Adamawa State, this policy shift caused widespread economic challenges. The rise in fuel prices led to sharp increases in transportation costs, food inflation, and operational overhead for small businesses, which reduced household purchasing power and slowed local market activity.

8.2 Conclusion

The study demonstrates that globalization presents distinct structural challenges for developing countries. While open market policies aim to improve fiscal balances at the national level, their impacts are felt unevenly across regions.

Without domestic refining capacity or targeted regional cushions, complete deregulation exposes vulnerable populations to international market volatility. For frontier states like Adamawa, economic integration without local structural support risks exacerbating regional imbalances and widening economic inequalities.

8.3 Recommendations

- i. To address these economic challenges and protect regional economies from global market shocks, this study proposes the following policy interventions:
- ii. **To Revitalize Domestic Refining Capacity:** The federal government should prioritize upgrading national refineries and supporting modular refining initiatives. Processing crude oil domestically eliminates international freight charges and foreign exchange costs, making fuel more affordable nationwide.
- iii. **To Develop Targeted Regional Subsidies:** Introduce specialized transport subsidies for remote and landlocked states like Adamawa. Supplying subsidized public transit vehicles and fuel vouchers to regional agricultural transport networks can help lower food and transit inflation.
- iv. **To Expand Renewable Energy Access:** Federal and state governments should partner to provide solar power incentives and micro-grants for small businesses. Transitioning

- SMEs toward solar energy reduces their reliance on fuel generators and lowers operating costs.
- v. **To Invest in Agricultural Logistics Infrastructure:** Develop dedicated regional storage facilities and processing hubs along key trade routes like the Yola-Mubi-Numan corridor. Improved local storage reduces waste and helps stabilize food prices when fuel costs fluctuate.
 - vi. **To Strengthen State-Level Social Safety Nets:** State authorities should redirect increased federal allocation funds into targeted social programs, such as healthcare access expansion and school nutrition initiatives, to help ease the economic pressure on low-income families.

References

- Adebayo, A. (2018). *The Political Economy of Petroleum Subsidy in Nigeria*. Ibadan: University Press.
- Amin, S. (1976). *Unequal Development: An Essay on the Social Formations of Peripheral Capitalism*. New York: Monthly Review Press.
- Central Bank of Nigeria. (2024). *Economic Report for the First Quarter of 2024*. Abuja: CBN.
- National Bureau of Statistics. (2025). *Consumer Price Index and Inflation Report for State Levels*. Abuja: NBS Publications.
- Offodile, C. (2021). *The Nigerian Oil and Gas Industry: Institutional Realities and Market Reforms*. Lagos: Malthouse Press.
- Prebisch, Raul. (1950). *The Economic Development of Latin America and Its Principal Problems*. New York: United Nations.
- Rodney, W. (1972). *How Europe Underdeveloped Africa*. London: Bogle-L'Ouverture Publications.
- Stiglitz, J. E. (2002). *Globalization and Its Discontents*. New York: W. W. Norton & Company.
- World Bank. (2023). *Nigeria Development Update: Turning the Corner (From Reforms to Results)*. Washington, DC: World Bank Group.