A Critical Investigation of Lagos State Socioeconomic and Economic Challenges: Does Urban Growth Policy Matter in Nigeria?

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Lagos State's transformation into a critical urban hub highlights its economic promise and challenges, including rising unemployment, police brutality, and poverty amidst rapid growth. This study delves into how population increase, government spending, and financial policies affect the economy, revealing the critical role of education and job creation in tackling unemployment and enhancing living conditions. It underscores the impact of capital expenditure and monetary policies on economic stability, advocating for balanced development and targeted interventions to foster prosperity. The experience of Lagos offers valuable lessons for nationwide policy formulation and informed efforts for sustainable urban development and progress.

Keywords: Lagos state, capital expenditure, crime, education, exchange rate, regional gross domestic product (Rgdp), population growth, poverty, real interest rate, socioeconomic challenges, unemployment

INTRODUCTION

In recent decades, Lagos state has progressively established itself as a pivotal urban center renowned for its substantial business opportunities and economic potential. This region has also witnessed rapid expansion in its metropolitan population within Nigeria (Osho & Adishi, 2019; Aluko, 2010; Barredo, 2004). Situated within Sub-Saharan Africa, Lagos emerges as one of the swiftest developing cities across the entire continent. Its flourishing economy positions Lagos state as the fifth-ranked entity in Africa, driving 90% of trade activities, approximately 65% of the manufacturing domain, and contributing about 10% to Nigeria's overall gross domestic product.

In the final quarter of 2017, Lagos assumed a crucial role in Nigeria's capital influx, accounting for fifty percent of the nation's total. It is undeniable that Lagos presently stands as the foremost economic and financial nucleus of the country (Osho & Adishi, 2019). As a result, the primary objective of this study is to explore the distinct economic issues in Lagos. This research centers on a detailed examination of the primary economic challenges facing Lagos State, which encompass unemployment, instances of police brutality, and poverty.

As detailed by One Lagos Fiesta (2018), a platform dedicated to sharing insights into Lagos' historical background, the city stands out for its rapid expansion and substantial population, positioning it among the globe's most densely inhabited urban areas. It is worth noting that Lagos enjoys a prominent stature as a

pivotal financial hub within Africa, showcasing the highest GDP and hosting one of the continent's largest and most bustling ports (Abiodun, 1997). The visual representation offered by the One Fiesta Lagos website visually delineates the geographical setting of Lagos State, accentuating its positioning adjacent to a substantial body of water. Furthermore, the image accentuates Ikeja's role as the capital of Lagos, underscoring its significance within the scope of this study.

FIGURE 1
THE MAP OF THE CITY OF LAGOS

Unemployment

Unemployment is a pivotal concern that influences economies shaped by various distinctive elements. Unemployment, as a concept, denotes the state of actively pursuing employment while facing the inability to secure a job (Kazeem, 2017). According to data from Trading Economics, the visual representation provided above offers insights into Nigeria's unemployment rates across various years, with a specific spotlight on Lagos as one of its prominent states. The information depicted unveils a consistent upward trajectory in unemployment rates, spanning at least five years from 2017. Among the key contributors to the volatility in unemployment rates, one of the primary factors is the burgeoning population. As the populace grows, there is a corresponding surge in individuals actively seeking employment opportunities. This influx of job seekers exerts pressure on the labor market, rendering it intricate to cater to the demand for jobs adequately.

FIGURE 2
UNEMPLOYMENT RATE IN NIGERIA IN SELECTED YEARS BETWEEN 2017 – 2021
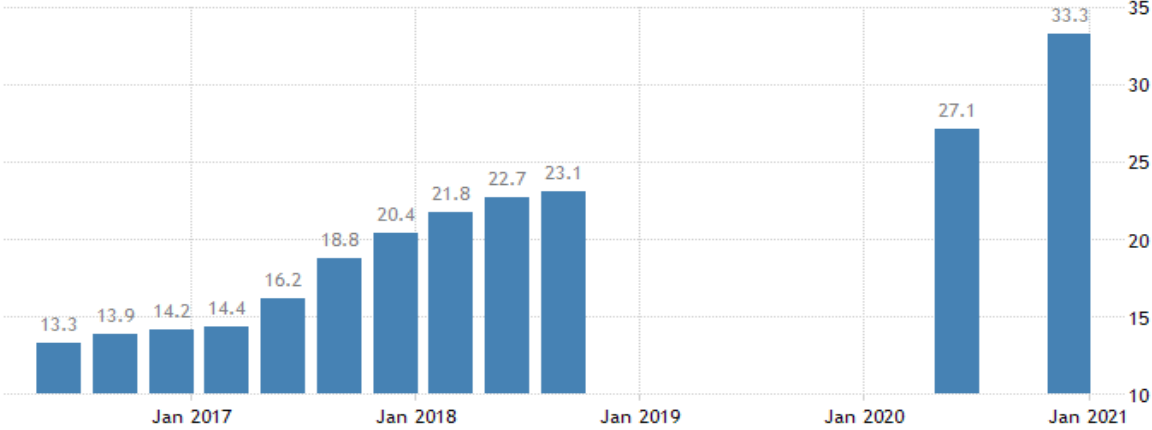
Source: National Bureau of Statistics Nigeria

Education is another influential determinant, with the level and caliber of education achieved by individuals wielding the potential to shape their employability prospects profoundly. Limited access to high-quality education or a misalignment between the skill sets possessed by job seekers and those demanded by open positions can lead to elevated unemployment rates. Consequently, to garner an all-encompassing comprehension of the unemployment landscape within Lagos State, it becomes imperative to delve deeper into these variables. This entails an exploration of potential remedies that could effectively tackle the hurdles encountered in the endeavor to alleviate unemployment challenges.

Population Growth

Population growth has been a consistent factor in the historical tapestry, influencing various facets of society. This phenomenon in Lagos State, Nigeria, pertains to the progressive expansion of the populace or a dispersed group over time. Among the significant outcomes of this population growth is its resonance in unemployment rates. In a scenario where the population expands continuously without synchronous development of adequate infrastructure to accommodate the influx, unemployment emerges as a pressing concern. This scenario transpires when the number of individuals seeking employment surpasses the available job opportunities within a specific region or community. The surge in competition for limited jobs intensifies due to the strain of overpopulation, thus heightening individuals' challenges in securing employment. Furthermore, heightened competition gives employers the leeway to offer diminished wages, given the surplus of applicants. This, in turn, culminates in unemployment, leading to curtailed expenditure, potential debt accumulation, and a reliance on government assistance programs like food subsidies.

Lagos, one of Nigeria's prominent cities, grapples with economic predicaments intricately linked to overpopulation. The persistent influx of individuals to Lagos has precipitated overcrowding within the state. Chukwuemeka observes that the unprecedented surge in Lagos' population, from a modest count to over twenty-two million inhabitants confined to a mere 452 square miles, has far-reaching repercussions (Chukwuemeka, 2022). The strain posed by overpopulation has strained existing facilities and amenities beyond their limits, engendering dire living conditions for residents. The intense population density has concurrently given rise to frequent traffic congestion and jams. The amalgamation of the substantial resident count and the perpetual population upswing exacerbates this issue. The need for more infrastructure to accommodate the escalating populace accentuates transportation dilemmas, hampering smooth human and goods movement. It is paramount to grasp the implications of overpopulation in Lagos, as this understanding is pivotal for tackling economic quandaries and formulating sustainable remedies that can alleviate resource burdens and enhance the residents' quality of life.

The prevailing challenge of overpopulation has yielded a dearth of employment opportunities, propelling individuals to explore alternative income-generating avenues. A prevalent tactic many adopt is street vending during traffic congestion, which allows them to sustain themselves and provide for their families, according to Guardian News (2022). The issue of overpopulation has strained the employment landscape in Lagos, rendering the acquisition of formal job positions a formidable task for individuals. Consequently, a shift towards informal economic activities, like hawking goods, has emerged as a survival strategy. The frequent traffic congestion characteristic of Lagos presents a distinctive opening for these individuals to connect with potential customers and vendors of their wares. Given the constrained opportunities for formal employment, this improvised approach to securing a livelihood is driven by the imperative to meet personal needs and contribute to family welfare.

Gaining a profound understanding of the dynamics within informal economic activities, particularly street vending, amid the backdrop of overpopulation and dwindling employment opportunities in Lagos holds pivotal significance. It offers insights into the adaptive measures embraced by the local populace, underscoring their ingenuity and resilience when grappling with the intricacies of their economic realities. Scrutinizing these alternative survival strategies can provide policymakers and stakeholders with insights to design interventions that address the fundamental factors contributing to low employment rates. Moreover, it facilitates the exploration of avenues that foster sustainable economic growth within Lagos State in Guardian, 2022.

Education

The pivotal role of education in deciphering the intricate web of elevated unemployment rates within Lagos State, Nigeria, emerges as a central facet of investigation. This factor holds undeniable significance, constituting an imperative consideration when delving into the underlying causes of this challenge. In numerous instances, the expansive populace of Lagos encompasses residents inhabiting impoverished neighborhoods and communities, many of whom confront restricted access to quality education or possess limited awareness of its inherent value. The specter of illiteracy, marked by the inability to read or write, looms large within underdeveloped areas, further amplifying the predicaments faced by the local populace. Education is indispensable, as it directly influences the reduction of the interim required to secure fresh employment opportunities, eventually heightening the prospects for unemployed individuals to attain comparable wages (World Bank, 2023).

The augmentation of educational avenues can give individuals the requisite competencies and insights to vie adeptly within the competitive job landscape. As the Statista website indicates, Nigeria's literacy rate has sustained itself above 50% across the past two decades (Sasu, 2022). The pivotal significance of education in assuaging unemployment rates is beyond contestation. By targeting educational disparities and championing literacy promotion, policymakers and stakeholders possess the potential to make substantial strides in curtailing unemployment while nurturing economic advancement within Lagos State. Endeavors geared toward amplifying educational accessibility, bolstering quality, and enhancing pertinence can empower individuals, amplify their employability, and, consequently, engender propitious employment outcomes and socio-economic progress.

FIGURE 3
LITERACY RATE IN NIGERIA IN SELECTED YEARS BETWEEN 1991 – 2022

Share of Adult Population
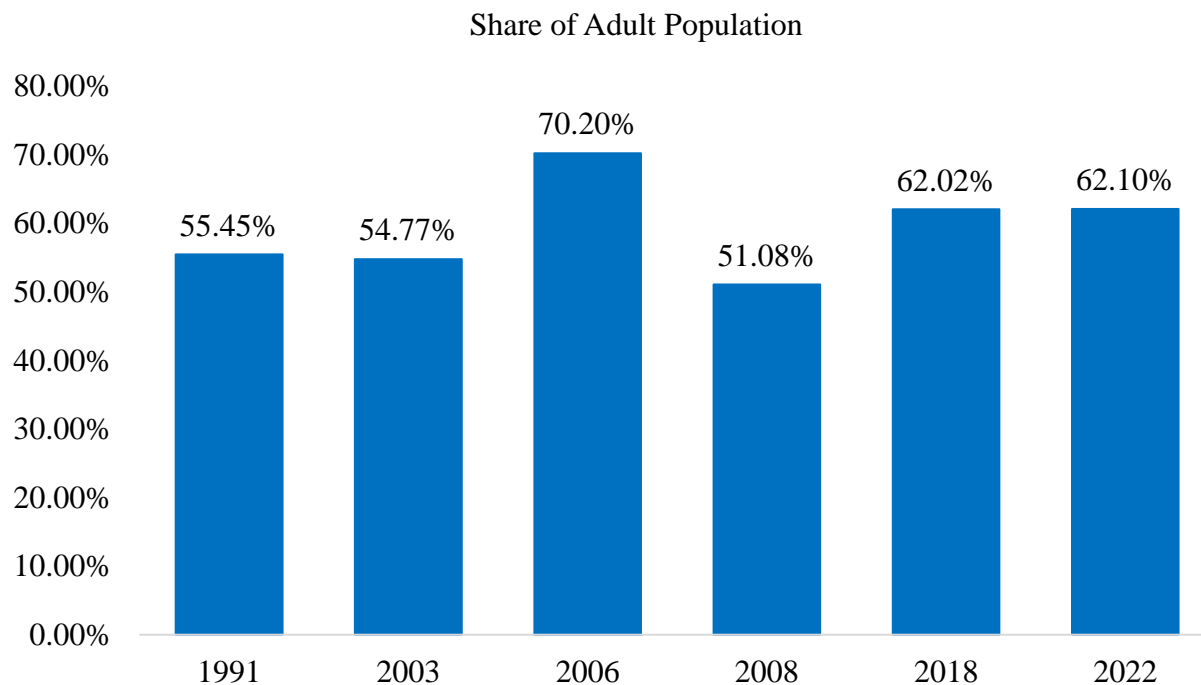
As depicted in Figure 3, a notable proportion of Nigeria's population resides at a profoundly consequential threshold, which seems poised to persist in the foreseeable future.

Crime and Policing

Police brutality represents a pervasive issue witnessed in communities globally, often remaining concealed due to limited exposure. It entails the unjustified and excessive use of force by law enforcement officers against individuals or groups, leading to civil rights violations and exemplifying grave instances of

police misconduct (Susarla & Aggarwal, 2020). These acts encompass a spectrum from beatings and shootings to takedowns and improper use of Tasers. The implications of such misconduct extend beyond individual rights violations, corroding public trust in law enforcement and impacting the entire community. Consequently, the ripple effects of police brutality transcend immediate victims and their families, eroding public confidence in law enforcement agencies and hampering their practical function. Consequently, the safety of the communities they serve is compromised, ultimately impacting public health on multiple fronts. This paradox ensues when those tasked with ensuring citizens' safety become sources of peril, breeding an environment where security is elusive.

Instances of civil unrest and violence can arise as protests against police brutality and demand for safer streets. However, peaceful demonstrations can escalate when met with excessive force, as exemplified during a protest in Lagos, Nigeria. Ezeamalu (2021) reported that the Nigerian Army fatally shot at least eleven peaceful protesters, injuring numerous others during a demonstration on October 20, 2020, at the Lekki tollgate in Lagos. Designated as a massacre by a government panel, this incident accentuates the detrimental outcomes of police brutality and societal turmoil. Such violent occurrences have extensive consequences, including economic ramifications. Similarly, civil unrest and violence disrupt the societal fabric, echoing into various sectors, notably the economy. The instability and insecurity impede investment, disrupt business operations, and hinder economic progress (Sun & Parikh, 2001). Thus, it is imperative to address police brutality to foster secure relationships between law enforcement and communities, nurturing social harmony and supporting economic advancement.

Poverty constitutes a significant facet of Lagos State's landscape, propelled by high overpopulation and unemployment rates. Poverty, marked by inadequate financial resources to meet life's necessities, encompasses individuals, communities, and the economy by constraining productivity and output. Lagos and Nigeria, as a whole, grapple with staggering poverty levels, as illustrated by data from Macrotrends (Macrotrends, "Poverty Rate in Nigeria"). This stark reality underscores the gravity of the poverty challenge. The implications of widespread poverty in Lagos extend beyond individual hardship, profoundly affecting economic vitality. When a substantial segment of the population needs help accessing basics, their participation in productive endeavors dwindles, impeding economic growth. Romer (2015) and (Solow, 1956) and however, Romer critique the misuse of mathematical expressions in economic growth theories and argue that this mathiness can lead to misrepresentations of economic realities and hinder scientific progress in understanding economic growth. The elevated poverty rates in Lagos underscore the urgency for effective poverty alleviation measures. Attacking poverty's root causes, including overpopulation and unemployment, mandates comprehensive strategies promoting education, expanding job opportunities, and bolstering social safety nets.

Nevertheless, investing in poverty reduction initiatives empowers policymakers to foster economic resilience, diminish social inequality, and elevate overall well-being. Therefore, grasping the extent of poverty's influence in Lagos and its economic impact underscores the need for targeted interventions and policies to uplift individuals and communities. Comprehensive poverty mitigation must address income generation, education access, healthcare, and social support. By prioritizing poverty reduction, Lagos can pave the way toward sustainable economic growth and a heightened quality of life for its populace.

MODEL SPECIFICATION

Of paramount importance is the holistic assessment of urban economic performance, encapsulating the collective production of goods and services across all sectors of the market economy within a given year. This holds for Lagos State, where this metric is quantified as the gross regional domestic product (*Rgdp*), encapsulating the production output spanning various local government council areas. The accounting framework for regional gross domestic product assumes a crucial role in shaping policy determinations by furnishing insights into economic and market fluctuations. Moreover, it aids in tracking market dynamics and facilitating measures aimed at stabilizing the urban region and its constituent sectors. This approach aligns with the principles of classical macroeconomic theory and explores the role of economic bubbles and

crashes in shaping economic growth through historical analysis and theoretical modeling. The study provides a nuanced understanding of how these phenomena impact long-term growth trajectories.

As suggested by Guerron-Quintana, Hirano, & Jinnai (2023) and Solow (1956), wherein the total of an economy's sectoral outputs equates to the aggregate value of its expenditures, as articulated by the equation:

$$Total\ Output = Aggregate\ Value\ of\ Expenditure \tag{1}$$

This framework ensures that the link between production and expenditure remains foundational in understanding Lagos State's economic performance, according to Ojumu & Osho (2023):

$$GRDP = C + G + I + NTE \tag{2}$$

$$NTE = X - M \tag{3}$$

where C represents consumption, I denotes investment, G represents government expenditure, NTE represents net exports, X represents exports, and M represents total imports. The data used in this study were obtained from the Lagos Bureau of Statistics and the Ministry of Economic Planning and Budget. The dataset included variables such as regional gross domestic product, revenue, employment rate, interest rates, percentage of government expenditure, and real interstate rate. The appropriate model specification for this study is presented below:

$$Rgdp_t = \beta_0 + \beta_1 CS + \beta_2 ETR + \beta_3 RI + \beta_4 PGR + \varepsilon_t \tag{4}$$

The estimated model in this study follows the ISLM-BP approach with a fixed real interest rate. It aims to examine the impacts of interest rates, percentage of government expenditure, and real interstate rate as macroeconomic variables on $Rgdp_t$ until it reaches a state of equilibrium. The specified model was estimated as follows

$$Rgdp_t = \beta_0 + \beta_1 CS + \beta_2 ETR + \beta_3 RI + \beta_4 PGR + \beta_5 Rgdp_{t_{t-1}} + \varepsilon_t \tag{5}$$

where CS represents government expenditure, ETR denotes the exchange rate, RI stands for the interest rate as a measure of investment level, $Rgdp_{t-1}$ represents the lagged regional gross domestic product, and ε_t represents the error term. The joint condition mean and variance test for $Rgdp_t$ was verified using the error equations:

$$one \varepsilon_t = \beta_0 + \beta_1 CS + \beta_2 ETR + \beta_3 RI + \beta_4 PGR + \beta_5 Rgdp_{t-1} + \beta_6 t + \beta_7 \widehat{GRDP} \tag{6}$$

$$one\ \varepsilon_t^2 = \beta_0 + \beta_1 CS + \beta_2 ETR + \beta_3 RI + \beta_4 PGR + \beta_5 Rgdp_{t-1} + \beta_6 t + \beta_7 \widehat{Rgdp}_{t-1}^2 \tag{7}$$

To detect specific misspecification problems, joint complete mean and variance tests were conducted using the data output. The tests indicated that ordinary least squares estimation produced linearly unbiased estimators with the slightest variance. Although equation (3) yielded unbiased estimators, the parameter estimates were inefficient and ordinary. The assumptions of least squares, including normality, parameter stability, autocorrelation, and constant variance, were not violated.

RESULTS

The correlation matrix illustrated in Table 1 indicates a moderate relationship among various factors, including Lagos's regional gross domestic product, Lagos Revenue, the population growth rate (%), Percent Annual Expenditure, the exchange rate, and the real interest rate. This analysis further reveals no

multicollinearity, as substantiated by Durbin-Watson statistic tests from 0 to 4. Notably, the coefficients indicate a positive relationship between Lagos's regional gross domestic product and Lagos Revenue, the population growth rate (%), Percent Annual Expenditure, the exchange rate, and the real interest rate. A negative but insignificant relationship exists between the Percent Annual Expenditure and the real interest rate. Similarly, a notable positive and significant relationship exists between the Percent Annual Expenditure and the Exchange Rate.

Table 2 indicates parameter estimates of the regional gross domestic product ($Rgdp_t$) component within Lagos State based on ordinary Least squares estimation (OLS). The findings highlight an increase in the percentage of capital expenditure on the regional gross domestic product ($Rgdp_t$) component within Lagos State. However, it is noteworthy that the exchange rate and real interest rate yield substantial adverse effects on the regional gross domestic product ($Rgdp_t$) component within Lagos State. The regression is substantiated by a coefficient of determination nearing 79%.

TABLE 1
CORRELATION MATRIX

	Lagos's regional gross domestic product	Lagos Annual Revenue	Population Growth Rate (%)	Percent Annual Expenditure	Exchange Rate	Real Interest Rate
Lagos's regional gross domestic product						
Lagos Annual Revenue	0.713** (0.004)					
Population Growth Rate (%)	0.231 (0.426)	0.389 (0.169)				
Percent Annual Expenditure	0.542* (0.045)	0.481 (0.082)	0.047 (0.874)			
Exchange Rate	0.281 (0.331)	0.407 (0.149)	0.135 (0.645)	0.575* (0.031)		
Real Interest Rate	0.061 (0.835)	0.265 (0.359)	0.611* (0.020)	-0.091 (0.757)	0.418 (0.137)	

**Correlation is significant at the 0.01 level (2-tailed).
*Correlation is significant at the 0.05 level (2-tailed).

TABLE 2
COEFFICIENT ESTIMATES FOR $Rgdp_t$ IN THE LAGOS STATE, NIGERIA

Model	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
(Constant)	87.848	90.170		.974	.358
Lagos Annual Revenue	.048	.022	.619	2.120	.067
Population Growth Rate (%)	-8.533	2249.838	-.001	-.004	.997
Percent Annual Expenditure	.519	.544	.338	.954	.368
Exchange Rate	-.221	.494	-.165	-.448	.666
Real Interest Rate	-.008	1.263	-.002	-.006	.995

Dependent Variable: Lagos regional gross domestic product

For Table 3, a dual logarithmic approach was employed, incorporating intercept parameter estimations to examine the regional gross domestic product ($Rgdp_t$) component. This double-log framework verifies regional gross domestic product responsiveness concerning macroeconomic variables. The findings underscore that regional gross domestic product exhibits an exceptional susceptibility to shifts in the exchange rate, population growth rate, percent annual expenditure, and real interest rate.

The outcomes indicate that alterations in the exchange rate, population growth rate, and real interest rate correspond to a negative regional gross domestic product sensitivity. Conversely, regional gross domestic product showcases a positive sensitivity to modifications in the percentage of capital expenditure and time lag, with a coefficient of determination approaching 69%. Table 2. shows the result analysis utilizing a double-log regression, where the parameter estimates are interpreted as point elasticities of the regional gross domestic product. These outcomes elucidated that regional gross domestic product exhibits a constructive sensitivity to shifts in the exchange rate, population growth rate, percentage of capital expenditure, real interest rate, and time lag. This dynamic is substantiated by a coefficient of determination that approaches 79%.

TABLE 3
COEFFICIENT ESTIMATES FOR $Rgdp_t$ IN THE LAGOS STATE, NIGERIA

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
(Constant)	-2.941E-16	.221		.000	1.000
ZRevenue	.619	.292	.619	2.120	.067
ZPop Growth Rate (%)	-.001	.325	-.001	-.004	.997
ZPercent Annual Expenditure	.338	.355	.338	.954	.368
ZExchange Rate	-.165	.368	-.165	-.448	.666
ZReal Interest Rate	-.002	.381	-.002	-.006	.995

Table 3 shows the result analysis utilizing a double-log regression. The parameter estimates are interpreted as point elasticities of the regional gross domestic product ($Rgdp_t$). These outcomes elucidated that $Rgdp$ exhibits a constructive sensitivity to shifts in the exchange rate, population growth rate, percentage of capital expenditure, real interest rate, and time lag. This dynamic is substantiated by a coefficient of determination that approaches 79%.

TABLE 4
DOUBLE LOG COEFFICIENT ESTIMATES FOR $Rgdp_t$ IN THE LAGOS STATE, NIGERIA

	Unstandardized Coefficients		Standardized Coefficients		
	B	Std. Error	Beta	t	Sig.
(Constant)	4.137	1.849		2.238	.056
logRevenue	.182	.086	.801	2.114	.067
logPopGrowth	-.245	.361	-.205	-.679	.516
LogExpenditure	.189	.203	.310	.933	.378
LogExchangeRate	-.445	.457	-.341	-.974	.359
LoginterestRate	-.010	.045	-.073	-.226	.827

Dependent Variable: logRgdp: Lagos regional gross domestic product

Table 4 shows the result analysis utilizing a double log regression, where the parameter estimates are interpreted as point elasticities of the regional gross domestic product ($Rgdp_t$). These results elucidated

that the regional gross domestic product exhibits a constructive sensitivity to changes in the annual revenue, population growth rate, percentage of capital expenditure, exchange rate, and real interest rate. This dynamic is substantiated by a coefficient of determination that approaches 79%. The measure for urban economic growth, as captured by the regional gross domestic product ($Rgdp_t$), serves as a fulcrum in understanding regional economic performance. Equation (2) mirrors the linear model of the regional gross domestic product, with the parameter estimates exhibiting unbiased and consistently efficient outcomes. This robustness owes itself to the longitudinal series nature of the data. Notably, the investment landscape finds expression in the real interest rate fluctuation, whereby the $Rgdp_t$'s sensitivity towards investment decisions made by the state hinges on macroeconomic growth drivers, including exchange rates, interest rates, oil prices, and population growth rates. A pivotal facet of the findings is the pronounced sensitivity of the $Rgdp_t$ to shifts in the percentage of the exchange rate, population growth rate, the proportion of capital expenditure, real interest rate, and time lag.

While evincing a negative sensitivity to the exchange rate, population growth rate, and real interest rate, the $Rgdp_t$ conversely reveals a positive sensitivity towards the percentage of capital expenditure. The outcomes unequivocally suggest that within Lagos State, the $Rgdp_t$ is significantly influenced by changes in the exchange rate, population growth rate, capital expenditure proportion, real interest rate, and time lag. Consequently, especially during the recovery phase following a recession, the investment choices made by a state administration hold heightened significance due to their pronounced sensitivity to economic growth (Amadeo, 2017 and Noko, 2016). The findings underscore that as the rate of investment escalates, the $Rgdp_t$ concurrently ascends. Similarly, the local economic $Rgdp_t$ contracts steeply with reduced investment levels. In this light, elevating government expenditure as a percentage of the regional gross domestic product is a strategy to enhance regional economic growth, as corroborated by data from Lagos State.

DISCUSSIONS

The present research endeavor undertakes a comprehensive examination of the macroeconomic determinants influencing the economy of Lagos State, Nigeria. Specifically, the study delves into the ramifications of population growth rate, the proportion of capital expenditure, exchange rate, real interest rate, and time lag on the regional gross domestic product ($Rgdp_t$). Of particular significance is the influence of capital expenditure, which emerges as a critical facet within the $Rgdp$ dynamics of Lagos State. It becomes evident that the economy of Lagos State exhibits an exceptional responsiveness to oscillations in capital expenditure. This observation finds substantiation in established urban economic theory, wherein investment and government expenditure align with recognized macroeconomic tendencies.

However, a noteworthy dimension of this research pertains to the pivotal determinants of regional urban growth. The findings underscore that the volatility in interest rates is a formidable contributor to the regional gross domestic product fluctuations. As real interest rates ascend, the $Rgdp$ experiences a corresponding contraction, thereby imposing constraints on urban economic expansion within Lagos State. Given this, it is imperative for successive administrations in Lagos State to meticulously assess policy recommendations before committing to loans from both domestic and international lenders. This exercise is critical considering that certain international financial institutions introduce diverse financial initiatives for regional borrowing, often needing robust monitoring mechanisms and comprehensive program supervision. These institutions frequently need to pay more attention to the viability of these program interventions within specific regions.

Beyond the recession's influence on the economy, another vital factor pertains to the impact of the population growth rate on the state and housing policy (Nweke, 2017). To invigorate the state economy, the Lagos State government should foster an environment conducive to business through strategic capital projects that accommodate both small and medium-scale enterprises. Furthermore, the government should ensure prudent resource utilization to mitigate unemployment and enhance social welfare for the burgeoning population. Ensuring a secure urban milieu and a stable economy while directing funds to the masses through capital expenditure is paramount. This arrangement empowers individuals to engage in

material acquisitions, interwoven with government expenditure as a proportion of the regional gross domestic product. As the Lagos State government deploys diverse economic policies to reinvigorate the economy, other states are emulating similar steps to enhance their economic landscapes. Ultimately, this collective endeavor bolsters the aggregate economy of the nation, culminating in a scenario where the trajectory of Nigeria's economy mirrors the course of Lagos State's economy.

CONCLUSION

This current study has undertaken a comprehensive and critical examination of the socioeconomic challenges that characterize Lagos State, Nigeria, within the broader context of urban growth policies. Throughout this study, we have delved into the multifaceted dimensions of urban growth and its interplay with various socioeconomic issues within Lagos State. In summary, the potential for prosperity in Lagos State is undeniably substantial; however, several pressing problems warrant addressing, coupled with the necessity to manage specific factors. It is undeniable that Lagos State stands as one of the regions with the most rapid burgeoning daily influxes. However, strategic population management can alleviate some of the foremost challenges, ranging from traffic congestion to elevated unemployment rates. Furthermore, emphasizing education can substantially diminish poverty, as educated individuals are less likely to be ensnared by its grasp. The findings underscore the undeniable significance of urban growth policies in shaping the trajectory of the state's socioeconomic landscape.

As one of the fastest-growing urban centers globally, Lagos State grapples with many challenges, from rapid urbanization, overpopulation, unemployment, poverty, and the repercussions of inadequate infrastructure. The empirical analyses presented in this research have shed light on the intricate relationships between urban growth policies and these pressing socioeconomic concerns. The insights gleaned from examining population growth, capital expenditure, exchange rates, real interest rates, and time lag have revealed the delicate balance required to ensure sustainable urban development. The state's regional gross domestic product sensitivity to these macroeconomic variables underscores the imperative of judicious policy decisions that harmonize economic growth with the population's well-being. Moreover, the research has highlighted the need for comprehensive strategies that address the multifaceted nature of these challenges. The interconnectedness of urban growth policies and socioeconomic outcomes necessitates a holistic approach encompassing urban planning, education, investment, and social welfare initiatives. Lagos State can navigate the path towards inclusive and sustainable development by fostering a conducive business environment, investing in critical infrastructure, and implementing measures to mitigate the adverse effects of rapid urbanization.

This research raises questions about policy transferability and adaptability in the broader Nigerian context. The lessons from Lagos State's experiences can inform urban growth policies in other regions of Nigeria facing similar challenges. By studying the successes and shortcomings of Lagos's policies, policymakers in Nigeria can formulate strategies that cater to the unique socioeconomic dynamics of various urban centers nationwide. In essence, this research underscores the centrality of urban growth policies in shaping the socioeconomic landscape of Lagos State. The state's multifaceted challenges demand a concerted effort from government institutions, civil society, and other stakeholders to collaboratively design and implement policies that promote balanced urban development, enhance livelihoods, and uplift the quality of life for its residents. As Lagos State continues to evolve and urbanize, the decisions made today will reverberate into its future, underlining the significance of informed, inclusive, and sustainable urban growth policies.

REFERENCES

Abiodun, J.O. (1997). The challenges of growth and development in metropolitan Lagos. *The urban challenge in Africa: Growth and management of its large cities*, pp. 192–222.

Aluko, O.E. (2010). The impact of urbanization on housing development: The Lagos experience, Nigeria. *Ethiopian Journal of Environmental Studies and Management*, *3*(3).

Amadeo, K. (2017, August 22). *What is a recession? Examples, impact, benefits*. The Balance. Retrieved from https://www.thebalance.com/what-is-a-recession-3306019

Barredo, J.I., Demicheli, L., Lavalle, C., Kasanko, M., & McCormick, N. (2004). Modeling future urban scenarios in developing countries: An application case study in Lagos, Nigeria. *Environment and Planning B: Planning and Design*, *31*(1), 65–84.

Chukwuemeka ACMC, E.S. (2022, April 26). *Why is Lagos overpopulated: 10 reasons*. Scholarly. Retrieved December 3, 2022, from https://bscholarly.com/why-is-lagos-overpopulated/

Ezeamalu, B. (2021, November 16). Nigerian Army killed unarmed protesters, report finds. *The New York Times*. Retrieved December 3, 2022, from https://www.nytimes.com/2021/11/16/world/africa/nigeria-protest-report-massacare.html

Guardian News and Media. (2022, September 1). Jam today: Nigerians turn a profit from the choked traffic of Lagos. *The Guardian*. Retrieved December 3, 2022, from https://www.theguardian.com/global-development/2022/sep/01/jam-today-nigerians-turn-a-profit-from-choked-traffic-congestion-of-lagos

Guerron-Quintana, P.A., Hirano, T., & Jinnai, R. (2023). Bubbles, crashes, and economic growth: Theory and evidence. *American Economic Journal: Macroeconomics*, *15*(2), 333–371.

One Lagos Fiesta. (2018, December 24). *History of Lagos*. Retrieved December 3, 2022, from https://onelagosfiesta.ng/history-of-lagos/

Lagos State Government Center of Excellence. (2017, April 12). *How Lagos Reflated Economy to Overcome Recession – AMBODE*. Retrieved from https://lagosstate.gov.ng/blog/2017/04/12/how-lagos-reflated-economy-to-overcome-recession-ambode/

Kazeem, Y. (2017, June 06). *Nigeria's unemployment problem is showing no signs of slowing down*. Quartz Africa. Retrieved from https://qz.com/999641/the-unemployment-rate-in-nigeria-has-climbed-for-nine-consecutive-quarters/

Noko, E.J. (2016, September 10). *Economic Recession in Nigeria: Causes and Solution*. EduCacInfo. Retrieved from http://educacinfo.com/economic-recession-nigeria/

Nweke, M. (2017, January 3). How the Recession Shaped Real Estate in 2016. *The Sun*. Retrieved from http://sunnewsonline.com/how-recession-shaped-real-estate-in-2016/

MacroTrends. (n.d.). *Nigeria poverty rate 1985-2022*. Retrieved December 3, 2022, from https://www.macrotrends.net/countries/NGA/nigeria/poverty-rate

Trading Economics. (n.d.). *Nigeria unemployment RATE2022 data - 2023 forecast - 2006-2021 historical. Nigeria Unemployment Rate - 2022 Data - 2023 Forecast - 2006-2021 Historical*. Retrieved December 3, 2022, from https://tradingeconomics.com/nigeria/unemployment-rate

Ojumu, O., & Osho, G.S. (2023). The Effect of Global Oil and Gas Prices and Production Fluctuations on the Economy of Nigeria. *Journal of Applied Business and Economics*, *25*(7). https://doi.org/10.33423/jabe.v25i7.6642

Osho, G.S., & Adishi, O. (2019). The effects of macroeconomic variables on Lagos State economy: As Lagos's economy goes, so does Nigeria's economy. *Journal of Economics and Development Studies*, *7*, 1–9.

Romer, P.M. (2015). Mathiness in the Theory of Economic Growth. *American Economic Review*, *105*(5), 89–93.

Sasu, D.D. (2022, October 19). *Nigeria: Literacy rate*. Statista. Retrieved December 3, 2022, from https://www.statista.com/statistics/1268372/literacy-rate-in-nigeria/

Susarla, A., & Aggarwal, V.K. (2020). Police brutality: A global perspective. *Annual Review of Political Science*, *23*, 319–338. Retrieved from https://www.annualreviews.org/doi/abs/10.1146/annurev-polisci-051117-044318

Solow, R.M. (1956). A contribution to the theory of economic growth. *Quarterly Journal of Economics*, *70*(1), 65–94. doi: 10.2307/1884513

World Bank. (2023). *Economic growth: A review of the theoretical and empirical literature*. World Bank.