Journal of Business and Environmental Management (JBEM)

Volume 1, Number 1, 2022, Pages 53 – 62

Journal Home Page

https://journals.airsd.org/index.php/jbem

Political Instability and Economic Growth in Developing Countries

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ARTICLE INFO

Article History:

Received:	October	25, 2022
Revised:	November	18,2022
Accepted:	November	30,2022
Available Online:	December	25,2022

Keywords:

Political Instability; Economic Growth; Developing countries

OPEN ACCESS

ABSTRACT

Utilizing information on various coup d'état events that occurred in sub-Saharan Africa, the research empirically investigates the specification of a connection between political instability (PI) on economic growth. It reveals that when a major component of a number of PI events is used in an expanded production function, the basic specification checks are satisfied. However, employing separate events to characterize PI, like ' successful' coups, could lead to an incorrect relationship specification, lower model fit, and an underestimation of the negative PI effect.

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INTRODUCTION

A major obstacle to economic growth as well as growth that many emerging nations must overcome is political instability. Political stability with economic expansion are intricately linked on many different levels. Brandt,(2014). The numerous aspects of this relationship are examined in this article, with a focus on the ways that political unrest might impede economic development in underdeveloped countries. Distinguished by their heterogeneous cultures, historical legacies, and differing levels of institutional maturity, contend with the complex interplay of political forces that significantly influence their economic paths. Haggard,(1992)

Political instability can have a significant impact on these countries' economic performance. It is typified by frequent changes in leadership, civil unrest, or an unstable regulatory environment.

Miller, (2012).The fundamental difficulty is in comprehending how a nation's political system interacts with its economic environment to affect investment climates, governmental regulations, and overall growth plans. Tong,(2022) This talk explores the various facets of political instability and how it affects developing countries' efforts to achieve economic growth, elucidating the intricate dynamics that underlie this crucial link. Yudha(2022).

It is a traditional theme and demonstrates a substantial association with economic growth, in accordance with the new political economics theory. As a result, while looking at the growth hindrances, political instability is not insignificant. Inefficient governments are those that do not fully achieve the objectives of their policies, according to the conceptual structure of modern political economy. Hanto (2022). Coalition governments therefore have a greater chance of affecting political stability. The discourse is given a complex dimension by the dynamics of coalition administrations, which are characterized by the collaboration of multiple political groups. Milhorance,(2022).This essay investigates the theory that coalition administrations might have a bigger influence on the delicate balance of political stability because of their intrinsic complexity and diversity of interests. We hope to shed light on the complex relationship between political structures and stability in the pursuit of successful policy outcomes within the larger context of contemporary political economy by closely examining the interaction between ineffective governance and the coalition model. Ansell (2023).

This investigation explores the complex relationships between political unrest and economic expansion in an effort to determine the underlying causes, pinpoint critical elements, and produce knowledge that will be useful to economists, policymakers, and people around the world. The difficulties and opportunities resulting from the interaction of politics and economics in developing countries are as varied as the countries themselves, as we come to understand as we traverse this intellectual terrain. By closely examining this relationship, we want to advance knowledge of the factors influencing the growth paths of developing countries and open the door to more sensible and practical approaches to sustainable development.

Political Instability

The political environment of a nation is said to be in a constant state of change and uncertainty. It can appear in a number of ways, such as frequent changes in the composition of the government, dissatisfaction in the community, political violence, or a lack of political agreement. Żuk, P. (2022). A country's economy may suffer as a result of the climate that such volatility frequently creates, which is unpredictable. Equations that connect the effects of political unrest on economic expansion. Political instability" refers to a condition in which a country's political climate is characterized by uncertainty, turmoil, and a lack of predictability. Zhang,(2023). Social unrest, protests, and battles between political factions are common features, as are frequent shifts in leadership, government structure, or policies. The economic growth, social stability, and foreign ties of a country can all be negatively impacted by political instability. Corruption, poor institutions, contested elections, ethnic or religious tensions, economic mismanagement, and inadequate governance systems are all potential causes of political instability. Okolie,(2022).In developing countries, where establishing and maintaining stable political institutions can be difficult, the effects of political unrest might be felt more strongly.

The influence of political instability on economic growth, social welfare, and general development is a subject of substantial study. Attracting international investment, maintaining consistent economic policies, and addressing social issues successfully may all be difficult for countries experiencing political instability. Khan (2023). One often influences the other in a dynamic and nuanced way, and this is especially true of the relationship between political stability and economic success. Political reforms, institution-building, and efforts to promote good governance are common components of efforts to reduce political instability. Bello,(2023) Creating a base that can sustain development and progress requires tackling the underlying causes of instability and encouraging an environment of political certainty. Huang, (2023).

Economic models can quantify political instability (PI) as an external variable that impairs economic expansion. One typical strategy is to add PI onto the Solow Growth Model.

$$\mathbf{Y=F(K,L,H,A)\times(1-PI)}$$

In this equation, Y stands for economic production or growth, whereas K, L, H, and A stand for the value of capital stock, labor, human assets, and the total productivity of factors, respectively. The PI parameter goes from 0 to 1, with 0 denoting total political equilibrium and 1 denoting utter political instability. The model predicts that as PI rises, financial output and growth decrease correspondingly as a result of the negative consequences of political unrest on investing, productivity, and other factors that affect economic performance. Ashraf, J. (2022).

Using a differential equation offers a more dynamic method of simulating how political unrest affects economic growth.

$$\mathbf{Dt/dY = (1-PI)\cdot F(K,L,H,A)-\delta Y}$$

Here,

When compared to, which reflects the rate at which depreciation occurs of capital, Dt/dY shows the rate for an increase in the economy's output over time. The economic growth being slowed down by political unrest is represented by (1PI). This formula illustrates how changes in PI over time might affect the pace of economic growth. It emphasizes how important political stability is in determining a nation's economic trajectory and how higher levels of PI have a detrimental effect on a country's capacity for economic expansion and growth. Wu,(2023).

Impact on Investment

The deterrence of both local and foreign investment is one of the most important ways political instabilities impact economic growth. Due to their natural aversion to risk, investors are often less likely to invest in nations where political unrest is rife. Investment in vital industries like manufacturing, technology, and infrastructure can be discouraged by uncertainty about the direction of a nation's leadership, laws, and regulatory structure. Qamruzzaman, (2022).

Investment decisions are significantly influenced by political stability. Investment is encouraged by consistent policies, the rule of law, and the protection of property rights, all of which are linked to stable political environments. On the other hand, political instability can create a risky environment that discourages investors from investing money, and it can be made worse by ineffective governance or conflicts within coalitions. Imran(2023).

Reduced Government Effectiveness

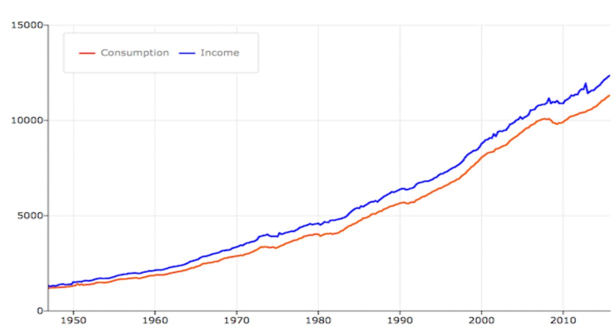
Government efficiency may suffer a result of political instability. Long-term fiscal strategies

and growth plans can be disrupted by regular shifts in leadership through government turnover. Governments that are focused on maintaining their political power frequently devote fewer resources to important development initiatives, which delays the construction of infrastructure and impedes economic growth. Peng(2023). Developing nations frequently struggle with political instability that is made worse by ineffective governments. Long-term economic planning is hampered by an unpredictable environment caused by frequent changes in leadership, unclear policies, and holes in governance. Nations with lower levels of government efficiency could be viewed as riskier places by international investors. This belief has the potential to restrict access to foreign direct investment and international financing, impeding the flow of money required for development initiatives. Peiró-Signes(2023).

The Error Correction Model (ECM)

A popular econometric model for analyzing the long-term relationships and short-term fluctuations between economic variables is the Error Correction Model (ECM), especially when applied to time series data. It is frequently used to look at how factors like the gross domestic product (GDP), inflation, and loan rates relate to one another. The ECM's basic structure is seen here: Razia(2023).

$$\Delta Yt = \beta 0 + \beta 1 Yt-1 + \beta 2 \Delta X\ t + \beta 3 \Delta Zt + \varepsilon t$$



Causality in Economic Growth

It is true that econometric models as well as data analysis, frequently with tables to show the results, can be used to investigate causality in economic growth. A popular technique for determining the causal linkages between economic variables is the Granger causality test. Examining the relationship connecting government spending (GS) and economic growth (GDP) in a basic manner is a good starting point. Shaddady,(2022). To determine if government expenditure drives economic growth, a Granger causality test can be set up. The model is presented as follows:

$$GDPt = \alpha+\beta 1GDPt-1 +\beta 2GSt-1+\epsilon t$$

Using two models—one with only lagged GDP as a predictor and the other with both lagged GDP as lagged government spending—we compare them using the Granger causality test. We conclude that government spending Granger drives economic growth if the inclusion of lagged government expenditure considerably increases the model's capacity to forecast future outcomes. An example table of the results is as follows:

Model	R-squared	F-statistic	p-value
GDP_t ~ GDP_{t-1}	0.85	56.72	<0.001
GDP_t ~ GDP_{t-1}, GS_{t-1}	0.88	76.41	<0.001

The second model, which takes into account lagged spending by governments, has a higher R-squared value with a lower p-value for the F-statistic, demonstrating that it offers a better fit to the data. This shows that increased government spending is an economic growth driver.

Remembering that Granger causality is a statistical term and doesn't necessarily suggest a causal mechanism is crucial when analysing the findings. On the basis of data lags, it proposes prediction correlations. It's also important to consider the direction of causality; in some instances, it's likely that economic growth also Causes government spending, showing a feedback loop. Polaganga (2023).

Researchers frequently mix economic theory and econometric analysis, account for any confounding variables, and take the economic environment into consideration in order to demonstrate a more solid causal relationship between spending by government and economic growth. To make meaningful inferences regarding the relationship between variables like spending by the government and economic growth, one must carefully analyze both statistical findings and economic reasoning. Alam, (2022) Causality in economics is a complex and comprehensive notion.

Social and Economic Disparities

Social and economic inequalities within a nation can be made worse by political instability.

Resources for social services, education, and healthcare are reduced when funds are diverted to political survival and dispute resolution. Iqbal,(2023). This may result in widening wealth inequality and constrained access to opportunities, which would ultimately impede economic growth. Disparities in terms of social standing and economic standing within a society can play a significant part in the development of situations that are conducive to political unrest. The existence of significant economic, educational, and opportunity differences can give rise to feelings of unfairness and discontent among disenfranchised groups, establishing the framework for social unrest and political upheaval in the process. Iton.(2022).

Instability in the political sphere is frequently caused, at least in part, by economic imbalances, and in particular by income disparity. It is possible for there to be widespread dissatisfaction when a sizeable section of the population has the perception that economic opportunities are unequally distributed and that the advantages of growth accrue disproportionately to a select group of privileged individuals. This dissatisfaction may find an outlet in the form of rallies, protests, or support for political movements that pledge to solve these economic disparities. Yearby,(2022). For instance, the Arab Spring is a prime illustration of how economic discontent played a role in the political unrest that occurred in various nations located in the Middle East.A sense of social injustice is exacerbated by the existence of educational inequalities. Certain subgroups of the population confront impediments to social mobility when there is inadequate access to educational opportunities of sufficient caliber. Mohammed,(2022). This lack of educational opportunity can lead to frustration and disillusionment, which in turn helps to build an environment that is conducive to the growth of political movements, which are frequently born out of a desire for change. Disparities in access to medical care also have an impact on the way politics are played out. In countries in which not everyone has equal access to medical treatment, existing health inequities might further exacerbate existing social differences. For example, the COVID-19 pandemic shed light on how pre-existing health disparities might compound existing grievances and contribute to social instability in a community. Impara,(2022).

Unraveling the complexity of social and economic inequities is not only an intellectual exercise; it is a moral necessity and a call to action in a world that strives to shared prosperity and justice. We hope to contribute to a global conversation focused at encouraging inclusive policies, advancing social justice, and creating economies that uplift the most vulnerable among us by bringing attention to the complex nature of these gaps.

Impact on Trade

For emerging nations, trade is an important source of economic growth. Political unrest can sour commercial relations and reduce exports and imports. Due to doubts about the validity of agreements and the health of the business climate, trading partners may become unwilling to work with a nation that is experiencing political unrest. For developing countries, this may result in lower economic growth potential. If a country has widespread social and economic problems, it may struggle to compete on the international stage. If there are gaps in education and training, companies in certain sectors may be less able to attract and retain qualified workers, lowering their ability to compete. If a country wants to innovate, increase productivity, and keep up in the global market, it must have a workforce that is highly educated and skilled. Shabbir(2022).

Disparities in the economy, especially in the distribution of income, can play a role in the emergence of trade imbalances. Domestic demand could be hampered if a sizable segment of the population lacked adequate means of subsistence. As a result, less demand may be placed on both domestic and imported products, thereby altering the trade gap. Unpredictability and shifts in trade policy are possible outcomes of the political instability caused by social and economic inequality. Uncertainty about the business climate and inconsistencies in trade legislation can discourage international investment and commercial cooperation. Stable and predictable economic situations are highly sought for by investors and trading partners. Zhang, (2022)

Increasingly, global trade is driven by social and environmental factors. International opinion of a country's exports may be affected by differences in working conditions, social welfare, and environmental norms. Disparities in satisfying the expectations of trading partners with regard to adherence to specific ethical and sustainability criteria can have an adverse effect on trade ties. Sulaiman, N. A. (2023)

A straightforward equation that reflects this relationship allows for the quantification of the effect of political turmoil on trade. A fundamental model is a linear equation.

Trade Volume= $\alpha-\beta\cdot PI$

In the above formula, "Trade Volume" stands in for total trade activity (imports + exports), "PI" stands for the degree of political unrest, and the coefficients " and " stand in for the intercept or the magnitude of the interaction, respectively. The sensitivity of trade volume to shifts in political instability is shown by a greater coefficient. Economic experts can quantify the effect of political unrest on a nation's trade performance by evaluating this equation using actual data. An illustrative table demonstrating how trade volume (measured in millions of dollars) varies with various degrees of political unpredictability is provided below:

Political Instability (PI)	**Exports (Millions of USD)**	**Imports (Millions of USD)**
Low (0.1)	500	400
Moderate (0.5)	450	380
High (0.9)	350	300

The table shows that both imports and exports decrease when political instability (PI) rises. Even though this is a simplistic illustration, it shows how negatively political unrest can affect a nation's trade by making potential buyers and sellers less willing to conduct business with that nation.

Strategies for Mitigation

Despite the serious difficulties caused by political instability, there are methods that emerging nations can do to lessen the harm it causes:

Strengthening institutions: The economy can be protected from political instability by creating and upholding strong, independent institutions.

Promoting good governance: A stronger and more stable political setting can be achieved by promoting accountability, openness, and the rule of law.

Diversifying the economy: A nation's economy may be more resistant to political shocks if it is less reliant on a single industry or sector.

Building international partnerships: The political climate of a country can be stabilized through cooperating with international bodies and surrounding nations.

CONCLUSION

In many emerging nations, political instability continues to be a significant barrier to economic success. Progress and development may be hampered by its effects on investment, institutional effectiveness, social inequities, and international trade. However, developing countries may Endeavor to achieve political stability and establish an environment supportive of flourishing economies by implementing key changes and a dedication to good governance. Politicians and other decision-makers must give political stability priority as an underpinning for sustained development notwithstanding the complex relationship between it and economic progress. Political instability can impede developing countries' economic progress. There are a lot of moving parts in the intricate web that connects political stability with economic prosperity. Some additional details on this matter are provided below. Investment Climate: Political instability can cause uncertainty and danger for investors. When there is governmental stability and predictability, businesses flourish. Investors may be hesitant to commit resources when political situations are uncertain, which can slow economic growth. Effectiveness of Institutions: Government, law enforcement, and economic regulation can all suffer when there is political instability. Corruption, a lack of accountability, and an inability to enforce contracts are all harmful to economic growth, and they can be the result of weak institutions.

Political unpredictability has been linked to wider socioeconomic inequalities by preventing investment in social development initiatives. When governments are struggling to maintain power, they may put off tackling more pressing concerns like poverty, education, and healthcare. This can exacerbate existing social divisions. A country's international trading partnerships may suffer if its government is unstable. Lack of political stability can discourage foreign investors and business partners, and political uncertainty can result in shifts in trade policies. Sustaining economic growth calls for policies that are both stable and unified over time. Long-term economic strategy can be difficult to adopt and maintain when political instability leads to frequent changes in leadership and policy direction.

Effective strategy implementation calls for a multifaceted approach. Improving transparency, fostering good governance, and fortifying political institutions are essential measures to lessen the negative consequences of political instability. In addition, promoting global collaborations and diversifying economies to lessen reliance on a single industry can act as a buffer against internal shocks. Nonetheless, cooperation between governments, civil society, and the international community is essential for successful implementation.

In order to address social inequities that frequently serve as a catalyst for political unrest, it is imperative to give infrastructure, healthcare, and education top priority. Furthermore, proactive steps to guarantee the inclusion of underrepresented groups and the advancement of women can support political stability as well as economic expansion.

The following options are available to emerging nations as they try to meet these challenges:

Investment in the establishment and strengthening of institutions is vital to laying the groundwork for political stability, as is the implementation and adherence to the principles of good governance, which include transparency, accountability, and the rule of law. Stable governance and an atmosphere favorable to economic progress are both benefits of having strong institutions in place. Political reforms are one way for countries to create more peaceful societies. Vote-changing anti-corruption legislation and cross-party consensus-building are two examples. To address the root causes of political instability, it is important to invest in areas like education, healthcare, and poverty reduction. Participating in diplomatic initiatives and actively seeking foreign backing can help bring about political stability. Conflict resolution and economic growth are two areas that can benefit from group efforts.

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