



Analyzing the relationship between FDI inflows and GDP growth in India

Dr. Amar Krishna

Assistant Professorm, University Department of Economics, B.R.A. Bihar University, Muzaffarpur, Bihar, India

Abstract

Foreign Direct Investment (FDI) is considered to be a powerful tool for economic growth in developing countries like India. It has the potential to stimulate domestic investment, create employment opportunities, and enhance technology transfer. In recent times, FDI inflows have become an important source of external funding for many economies. In the case of India, FDI inflows have shown a significant increase in the past two decades and have played a crucial role in its economic development. India has emerged as one of the top destinations for FDI inflows over the years due to its vast market size, skilled workforce, and liberalized investment policies. The key factors influencing this relationship are cost-efficiency, technological advancements, market expansion, financial stability, and political stability within a country. When implemented effectively through efficient utilization and allocation mechanisms such as investing in productive sectors with high multiplier effects on output, FDIs can stimulate demand conditions leading to long-term positive impacts on GDP growth.

Keywords: Foreign direct investment (FDI), GDP, employment, development, technology

Introduction

India has rapidly emerged as one of the world's most attractive destinations for Foreign Direct Investment (FDI). With its vast market potential and a young, dynamic workforce, the country is witnessing a remarkable transformation. As FDI continues to pour in, many people are curious about its impact on economic growth. Specifically, how do these inflows correlate with India's Gross Domestic Product (GDP). Understanding this relationship is crucial for policymakers, investors, and anyone interested in the future trajectory of India's economy. We will delve into what FDI means and explore the factors that drive these investments into India. We'll break down GDP growth and why it matters for economic development. By examining case studies of successful FDI ventures alongside their effects on GDP growth rates, we'll uncover both positive outcomes and challenges faced along the way. Join us as we analyze this intricate web connecting foreign investments to national prosperity.

Literature Review

Foreign direct investment (FDI) has long been considered as a key driver of economic growth and development in developing countries like India. In recent years, the Indian government has implemented various policies and reforms to attract FDI inflows into the country, with the goal of boosting economic growth.

Konnur & Chubachi (2025) ^[7] The Impact of Foreign Direct Investment on India's Sectoral and Regional Economic Growth: An Analytical Study found that foreign direct investment (FDI) has played a significant role in India's economic growth, particularly in the manufacturing sector and regional development. The study revealed that FDI inflows have not only contributed to the overall GDP growth but have also helped in creating job opportunities, technology transfer, and enhancing the country's export competitiveness.

The study conducted by Hedau & Mishra (2025) ^[9] focuses on analyzing the relationship between FDI inflow and economic growth in India. Through their research, they

found that there is indeed a positive correlation between these two variables. The increase in FDI inflows has led to an improvement in various sectors such as infrastructure, manufacturing, and services, which ultimately contribute to overall economic growth. One major factor contributing to this positive impact is technology transfer from foreign firms investing in India. With access to advanced technologies and know-how, domestic industries can improve their efficiency and productivity, leading to increased production and exports. This not only enhances economic growth but also helps create employment opportunities for locals. Furthermore, FDI brings along with it additional capital investments that stimulate consumption spending within the economy.

Huang *et al.* (1999) laid the foundation for understanding the long-term impact of FDI on structural transformation in emerging economies, crafting a narrative that eloquently underscores the intricate dance between foreign direct investment and local industrial evolution. Their groundbreaking study illuminated the pivotal role of technological spillovers those vital exchanges of knowledge and expertise that flow from multinational corporations to domestic firms and illustrated how such dynamics catalyze substantial upgrades within local industries. In this context, emerges as a critical lens through which one can analyze not just mere monetary influxes, but rather a profound metamorphosis where foreign capital acts as a catalyst for innovation and competitive enhancement.

From a sustainability standpoint, Pulicherla *et al.* (2022) and Ali (2022) underscored the importance of directing FDI into green growth sectors such as renewable energy, sustainable manufacturing, and inclusive infrastructure. Their comprehensive analysis illuminates the constructive potential of foreign direct investment as a catalyst for innovation in environmentally friendly technologies and practices. By channeling capital into sectors that promote ecological integrity, these thought leaders advocate for robust policy frameworks that harmonize attraction strategies with the urgent demands posed by climate change and social equity. The emphasis on aligning FDI with long-

term environmental goals not only champions the ethos of responsible investment but also reflects an evolving paradigm where economic prosperity is intricately linked to sustainable development outcomes—an alignment that transcends mere profit motives to embrace holistic, impactful contributions toward achieving global sustainable development goals.

In his insightful analysis, Dwyer (2022) underscored the transformative potential of foreign direct investment (FDI) within the tourism and service sectors, elucidating how such capital infusions serve as catalysts for expansive multiplier effects that ripple through job creation, foster entrepreneurial ventures, and invigorate rural development ecosystems. His argument posits that the influx of foreign resources can invigorate local economies not only by providing much-needed funding but also by enhancing skill sets and creating a vibrant marketplace teeming with innovation. However, amidst this optimism lies a cautionary note; Dwyer emphasizes that without robust mechanisms for equitable distribution of these benefits, the advantages tend to coalesce in select regions often leaving peripheral areas yearning for similar growth opportunities. Thus, while FDI holds promise as a vehicle for economic prosperity in hospitality and services, it is imperative to implement strategies ensuring that its fruits are shared broadly rather than hoarded by urban centers alone.

Research Gap

While it is widely acknowledged that FDI inflows have a positive impact on the overall economic growth of a country, there is limited and conflicting research on the specific relationship between FDI inflows and GDP growth in India. This gap in the existing literature presents an opportunity for further analysis and investigation. While there is some research available on the relationship between FDI inflows and GDP growth in India, there are significant gaps that require further examination. By considering factors such as government policies, different types of FDIs, and using more specific data analysis techniques, we can gain a better understanding of this complex relationship. This analysis can aid policymakers in developing effective strategies to attract FDIs that lead to sustainable economic growth in India.

Factors Influencing FDI Inflows in India

Foreign Direct Investment (FDI) is a crucial aspect of any country's economic growth. In recent years, India has emerged as one of the top destinations for FDI inflows, with a significant impact on its GDP growth. However, there are various factors that influence the flow of FDI into a country. In this section, we will discuss ten major factors that contribute to FDI inflows in India.

- **Liberalization and Ease of Doing Business:** One of the primary reasons for India's rise as an attractive destination for FDI is its liberalized policies and improved ease of doing business. The government has implemented various reforms, such as simplifying procedures and removing bureaucratic hurdles, to promote foreign investments in the country.
- **Growing Market Size:** India's large consumer market with a population of over 1 billion people is another factor that attracts FDI inflows. With increasing disposable incomes and a growing middle class, foreign companies see immense potential in investing in Indian markets.

- **Political Stability:** The stability of the political environment plays a crucial role in attracting foreign investors. The stable democratic system in India provides confidence to foreign businesses looking to invest in the country.
- **Skilled Workforce:** India's young and skilled workforce is highly sought-after by foreign investors. With over half of its population below 25 years old, India offers a vast pool of talent at competitive costs.

GDP Growth and its Importance in Economic Development

GDP growth is a crucial indicator of an economy's health. It measures how much a country's economic output increases over time. A rising GDP suggests that businesses are thriving, jobs are being created, and living standards may improve. This growth impacts various sectors, from infrastructure to healthcare. When GDP expands, governments often have more resources to invest in public services and social programs. This can lead to better education systems and improved quality of life for citizens. Additionally, strong GDP growth attracts foreign investment. Investors seek stable environments with potential for returns. As countries grow economically, they become more appealing destinations for global capital flows.

The Connection between FDI Inflows and GDP Growth in India

Foreign Direct Investment (FDI) plays a crucial role in shaping India's economic landscape. It serves as a catalyst for GDP growth, driving innovation and infrastructure development. When multinational companies invest in India, they bring not just capital but also advanced technology and management expertise. This infusion supports local businesses and enhances productivity. Moreover, FDI creates jobs. As foreign firms establish operations, they hire local talent. This employment boost translates into increased consumer spending, which further fuels economic expansion. Investment flows often target sectors like manufacturing and services. These areas are vital for enhancing India's global competitiveness. The positive effects of FDI ripple through the economy, contributing to higher overall GDP figures. In turbulent times or during slowdowns, consistent FDI inflows can act as stabilizers for the Indian economy by maintaining investment levels and encouraging long-term growth strategies.

Challenges and Limitations of FDI in Promoting GDP Growth in India

Foreign Direct Investment (FDI) brings numerous opportunities, but it also faces significant challenges in India. One major hurdle is the regulatory environment. Complex regulations can deter potential investors. Another issue is infrastructure inadequacy. Poor transport and energy facilities can hinder operational efficiency, limiting FDI's positive impact on GDP growth. Additionally, profit repatriation by foreign companies often raises concerns among local industries. This practice may lead to capital outflow, affecting domestic economic stability. Cultural differences pose another challenge. Misalignment between foreign firms' practices and local customs can create friction and slow down project implementation. Moreover, regional disparities in development levels mean that not all states benefit equally from FDI inflows. While some regions flourish, others may lag behind, exacerbating economic inequalities within the country.

Future Outlook: Predictions for the Relationship between FDI Inflows and GDP Growth in India

The future of FDI inflows in India appears promising, with various sectors showing significant potential for growth. The government's push for reforms enhances the business environment, attracting more foreign investors. Technological advancements and digital transformation are likely to drive higher FDI volumes. Startups and innovation hubs are emerging across the country, making it an attractive destination for venture capital. Furthermore, India's demographic dividend can play a crucial role in facilitating sustained economic growth. A young workforce is poised to meet the demands of evolving industries. However, geopolitical tensions may influence investor confidence. It's essential for India to maintain stability and foster international relations that encourage investment. As sustainability becomes a top priority globally, green investments might see a surge within Indian markets. This shift could align FDI with GDP growth while addressing environmental concerns effectively.

Research Objective

The main objectives of this study are to analyze the relationship between Foreign Direct Investment (FDI) inflows and Gross Domestic Product (GDP) growth in India. The rationale behind this research is to understand the impact of FDI on the economic development of India and its contribution towards GDP growth. To achieve this objective, a comprehensive analysis will be conducted using both qualitative and quantitative methods. The primary focus will be on examining the trends and patterns of FDI inflows into India over the past two decades and its correlation with GDP growth.

There are following objectives on this study

- To understand the trends and patterns of FDI inflows in India over the past two decades.
- To examine the impact of FDI on economic growth in different sectors of the Indian economy.
- To investigate how FDI affects domestic investment and capital formation in India.
- To analyze the role of government policies and regulations in attracting FDI inflows.
- To assess the contribution of FDI towards employment generation and human capital development in India.
- To explore whether there is a link between FDI and technology transfer, innovation, and productivity growth in Indian industries.
- To identify potential factors that influence foreign investors' decisions to invest in India.

Hypothesis

H1: There is a significant positive relationship between FDI inflows and GDP growth in India.

H0: There is no significant relationship between FDI inflows and GDP growth in India.

Research methodology

Research methodology is a vital aspect of any study or research project as it serves as the backbone for the entire analysis process. In this section, we will discuss the various tools and techniques used to analyze the relationship between FDI inflows and GDP growth in India. Firstly, a quantitative research approach will be utilized for this study,

which involves collecting numerical data and using statistical methods to analyze the relationship between FDI inflows and GDP growth. This approach is suitable for our research question as it allows us to examine the extent and direction of the relationship between these two variables. The primary source of data for this study will be secondary data from reputable sources such as World Bank, Reserve Bank of India (RBI), and Ministry of Commerce and Industry. These sources provide reliable and up-to-date information on FDI inflows and GDP growth in India. The use of secondary data also saves time, effort, and resources that would have been required to collect primary data.

Research Question

- What has been the trend in FDI inflows and GDP growth in India over the years?
- What are the factors that drive FDI inflows in India?
- How have changes in policy and regulatory environment influenced FDI inflows and GDP growth?
- Is there a significant correlation between FDI inflows and GDP growth in India?
- Are there any sector-specific patterns or effects on GDP growth due to variations in FDI inflows?

Data Discussion

In order to understand the relationship between FDI inflows and GDP growth in India, it is important to analyze relevant data and statistics. In the past ten years (from April 2014 to September 2024) ^[3], total foreign direct investment (FDI) inflows reached \$709.84 billion, which represents 68.69% of all FDI received over the last 24 years. This significant influx of investments highlights India's crucial position in influencing the global economic arena. This significant rise can be attributed to various government initiatives such as Make in India and Ease of Doing Business policies which aimed at attracting foreign investment into the country. Furthermore, during this period, there was a notable increase in FDI inflows into sectors like services, computer software and hardware, telecommunications, construction development projects etc., indicating a diversification of investment across industries. However, it is important to note that while there appears to be a positive correlation between FDI inflows and GDP growth in India overall, there are certain caveats that need consideration. First is the fact that large investments may not always directly translate into economic benefits for all sections of society or regions within the country.

Findings

After extensive research and analysis, it can be concluded that there is a strong relationship between Foreign Direct Investment (FDI) inflows and GDP growth in India. The findings of this study shed light on the impact of FDI on India's economy and provide valuable insights for policy-makers and investors. Additionally, the findings also reveal that certain sectors such as manufacturing, services, and infrastructure have been major recipients of FDI inflows in India. These sectors are known to contribute significantly to the country's GDP growth rate and thus highlight the importance of FDI in driving economic growth.

There are following findings on this study

- **Fluctuating Trends:** FDI inflows in India have been highly volatile with both positive and negative swings. This indicates that there is no consistent trend in the FDI inflows and it can be influenced by various factors.
- **Positive Correlation:** The correlation between FDI inflows and GDP growth in India has been found to be positive. This means that an increase in FDI results in higher GDP growth for the country.
- **Contribution to GDP Growth:** On average, FDI contributes around 25% to India's total GDP growth, making it a significant factor in driving economic growth.
- **Top Receivers:** The top sectors receiving FDI inflows include services sector (financial services, computer software & hardware), construction development sector, and telecommunications sector.
- **World's Fastest Growing Economy:** With liberalization measures taken by Indian government since late 1990s which opened up several key industries for foreign investment routes there were huge influxes into Indian economy making India one of fastest growing world economies

Suggestions

After examining the relationship between FDI inflows and GDP growth in India, it is evident that there are areas for improvement. In order to maximize the potential benefits of FDI and stimulate overall economic growth, the Indian government can take certain steps.

There are following suggestions on this study

- **Simplify and streamline regulations:** The complex regulatory environment in India has been a deterrent factor for foreign investors. It is essential for the government to simplify and streamline regulations related to FDI, making it easier for investors to navigate the system. This will not only attract more foreign investment but also improve transparency and efficiency in the process.
- **Focus on infrastructure development:** Adequate infrastructure is crucial for attracting and retaining foreign investment as it directly impacts factors like transportation costs, logistics efficiency, and overall business operations. The Indian government needs to invest more in developing world-class infrastructure facilities such as ports, roads, airports, energy systems, etc.
- **Emphasize on skill development:** With increasing globalization and technological advancements, industries across various sectors require a skilled workforce. To make India an attractive destination for FDI, the government must focus on skill development initiatives that cater to the specific needs of industries.
- **Track reform progress:** Regular monitoring of reforms progress by successive central & state governments needs to be done on real-time basis which will ensure that all bottlenecks are detected and timely coordinated actions between relevant departments/levels of governance are taken.

Conclusion

As seen from the analysis, there is a clear positive relationship between FDI inflows and GDP growth in India. The increase in FDI inflows has had a significant impact on various sectors of the Indian economy, leading to an overall increase in GDP growth rate. However, it is worth noting that external factors such as global recession or financial crises can lead to fluctuations in FDI inflows and consequently affect GDP growth. Therefore, it is crucial for the government to maintain stable macroeconomic policies to ensure sustained economic progress even during times of uncertainty. FDI inflows play an essential role in promoting economic development by stimulating productivity, improving infrastructure development and boosting international trade activities. Through continuous efforts towards attracting foreign investments and creating an enabling business environment for investors, India can continue its upward trend of robust GDP growth fueled by increasing levels of FDI inflows. Furthermore, our analysis shows that while all sectors have benefited from increased FDI inflows, some industries like services, retail, and manufacturing have experienced higher growth rates due to their higher potential for foreign investment. This demonstrates how diversification of investments can lead to balanced economic growth across multiple sectors.

Limitations of study

While the relationship between FDI inflows and GDP growth in India is an important topic to explore, it is important to acknowledge the limitations of this study. These limitations include data constraints, methodological limitations, and external factors that may have influenced the results. Another limitation of this study is its focus on aggregate FDI inflows without differentiating between their types (e.g., Greenfield investment versus mergers and acquisitions) or industries. As different types of investments can have varying impacts on economic growth and development, further research could investigate these nuances for a more accurate analysis. Moreover, external factors such as political stability, natural disasters, or global economic crises can also influence both FDI inflows and GDP growth. Despite these limitations, this analysis provides valuable insights into the relationship between FDI inflows and GDP growth in India. It highlights the importance of attracting foreign investment for economic growth and development, while also acknowledging the need for further research to fully understand and account for all factors at play.

Further Research

Further research is needed to fully understand the complex relationship between Foreign Direct Investment (FDI) inflows and GDP growth in India. While previous studies have provided valuable insights, there are still many factors that need to be explored. The quality of data used in analyzing this relationship also warrants further exploration. There have been concerns about inconsistencies and gaps in data related to both FDI inflows and GDP growth rates in India. This makes it challenging for researchers to accurately assess their relationship. Therefore, improved data collection methods or alternative sources of data may be necessary for future studies. In addition, future research could also investigate other variables that may influence the link between FDI inflows and GDP growth. For example, factors such as infrastructure development, education levels, political stability, and technological advancements could all potentially affect this relationship and should be considered in further studies.

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