

## The Role of AI in Predictive Economic Forecasting

Vidhya Vijayakumar T<sup>1\*</sup>

### ABSTRACT

Artificial Intelligence (AI) has emerged as a transformative tool in the realm of predictive economic forecasting, offering increased accuracy, speed, and adaptability in analyzing complex economic data. Traditional econometric models often fall short in capturing the dynamic and non-linear relationships among economic variables. In contrast, AI-driven approaches—such as machine learning, neural networks, and natural language processing—enable the integration of large and diverse datasets, uncover hidden patterns, and adapt to evolving market conditions in real-time. This paper explores how AI enhances economic forecasting by improving decision-making in areas such as monetary policy, financial market analysis, risk assessment, and business planning. It also examines the challenges associated with data quality, model transparency, and ethical considerations. Overall, the study underscores AI's potential to complement and, in some cases, surpass traditional forecasting methods while emphasizing the importance of human oversight and interdisciplinary collaboration for responsible and effective implementation.

**Keywords:** *Artificial Intelligence, Economic Forecasting, Machine Learning, Predictive Analytics, Neural Networks, Financial Modeling, Big Data, Policy Decision-Making, Economic Planning, Data-Driven Insights*

In recent years, the integration of Artificial Intelligence (AI) into economic forecasting has significantly transformed the way economists, policymakers, and businesses predict and prepare for future economic conditions. Traditional models of economic forecasting often rely on historical data and human interpretation, which can be limited in scope and prone to error. AI, with its ability to analyze vast datasets, recognize complex patterns, and learn from evolving information, offers a dynamic and powerful alternative. As global markets grow increasingly volatile and interconnected, the need for more accurate, real-time, and adaptive forecasting tools becomes ever more critical.

Artificial Intelligence leverages techniques such as machine learning, natural language processing, and neural networks to enhance economic forecasting. These tools allow for the analysis of non-linear relationships and variables that conventional econometric models might overlook. For instance, machine learning algorithms can examine millions of data points from diverse sources such as financial markets, social media, economic indicators, and weather patterns to detect trends and anomalies. This multidimensional analysis not only improves the accuracy of forecasts but also provides deeper insights into underlying economic behaviors.

<sup>1</sup> Research Scholar, Department of Corporate Secretaryship, PSG College of Arts and Science, Coimbatore, Tamil Nadu, India

\*Corresponding Author

**Received: June 02, 2025; Revision Received: July 05, 2025; Accepted: July 06, 2025**

## The Role of AI in Predictive Economic Forecasting

One of the most significant advantages of AI in economic forecasting is its capability for real-time prediction. Unlike traditional models that update periodically, AI-driven systems can process incoming data continuously, allowing for timely updates and more responsive decision-making. This feature is especially valuable in times of economic crisis or rapid change, such as during the COVID-19 pandemic or geopolitical upheavals, when swift action based on accurate forecasts can mitigate economic fallout. Real-time data processing enables businesses and governments to adjust strategies with greater agility.

Another crucial contribution of AI is its potential to reduce human bias in forecasting. Economic predictions are often influenced by subjective interpretations or institutional perspectives. AI models, when properly designed and trained, base their forecasts on data-driven patterns rather than personal judgments. While algorithmic bias remains a concern, transparent model design and ethical training protocols can enhance objectivity and reliability in economic predictions. The result is a more neutral analysis that can support better policy and investment decisions.

AI also democratizes access to economic forecasting tools by making them more scalable and accessible to a wider audience. Cloud-based platforms and AI-powered applications can allow small businesses, emerging markets, and academic researchers to leverage forecasting models that were once reserved for large institutions. This inclusivity fosters more equitable economic planning and resource allocation, especially in underrepresented or data-poor regions. The proliferation of AI tools can thus contribute to a more informed and resilient global economy.

Despite these advantages, the use of AI in economic forecasting also presents several challenges. Data privacy, model interpretability, and ethical concerns remain pressing issues. Moreover, AI systems require high-quality, structured data to function optimally, and not all economic data meets these standards. There is also the risk of overfitting, where models become too tailored to historical data and fail to adapt to unforeseen events. Addressing these concerns requires collaborative efforts between technologists, economists, and regulatory bodies to establish standards and frameworks for responsible AI use.

The hybridization of AI with traditional economic theories and methods represents a promising direction for the future of forecasting. Rather than replacing economists, AI serves as a complementary tool that augments human expertise. The collaboration between AI systems and domain experts can yield forecasts that are both data-rich and theoretically grounded. This synergy improves not only the accuracy but also the interpretability of predictions, enabling more comprehensive economic planning. The role of AI in predictive economic forecasting marks a paradigm shift in how economic futures are envisioned and managed. By enhancing the speed, accuracy, and scope of economic predictions, AI empowers stakeholders across sectors to make more informed, timely, and strategic decisions. As AI technologies continue to evolve, their integration into economic forecasting will likely become more sophisticated, transparent, and indispensable in navigating the complexities of the modern global economy.

### **BACKGROUND OF THE STUDY**

In the rapidly evolving landscape of economic research and policymaking, the integration of artificial intelligence (AI) into predictive economic forecasting marks a transformative shift. Traditional economic forecasting models, which have long relied on historical data, econometric techniques, and expert judgment, often face limitations in handling complex, non-linear, and rapidly changing variables. The rise of AI has introduced powerful computational

## The Role of AI in Predictive Economic Forecasting

tools capable of processing vast volumes of data, identifying hidden patterns, and adapting to dynamic economic environments in ways that conventional models cannot.

AI, particularly through machine learning (ML) and deep learning algorithms, has enabled economists and data scientists to develop more accurate and timely predictions. These technologies excel at analyzing large datasets—including real-time financial transactions, consumer behavior, social media sentiment, and macroeconomic indicators—allowing for the generation of forecasts that are both granular and responsive to current conditions. This advancement is crucial in an era characterized by economic volatility, globalization, and unprecedented levels of data availability.

The global financial crisis of 2008, the COVID-19 pandemic, and other major disruptions have exposed the fragility of traditional forecasting methods, prompting greater interest in alternative approaches such as AI-based models. In such turbulent times, the ability to detect early warning signals, predict economic downturns, and model policy impacts has become a priority. AI provides a framework for building models that can adjust in real time to new information, potentially enhancing the precision of economic forecasts and improving crisis management.

Moreover, AI's role in predictive economic forecasting is not limited to accuracy alone. It contributes significantly to efficiency, scalability, and customization. Automated systems can generate forecasts for various sectors, regions, or even individual firms, tailoring outputs to specific decision-making needs. This has wide-ranging implications for central banks, financial institutions, investors, and governments who rely on forward-looking insights to shape fiscal policies, allocate resources, and manage risk.

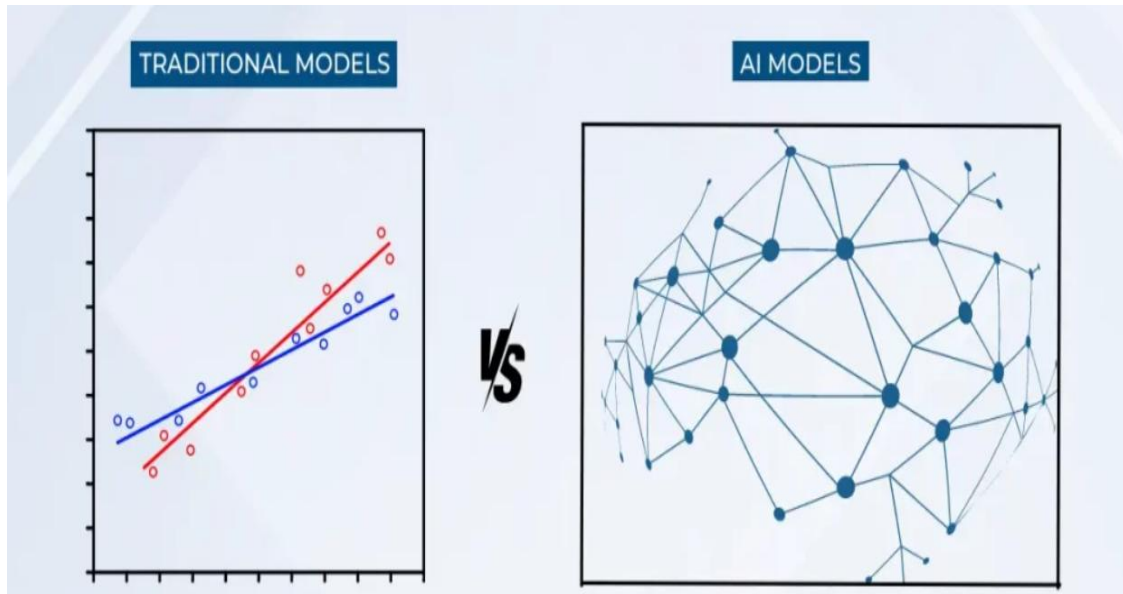
Despite its promise, the integration of AI into economic forecasting presents certain challenges. These include issues related to data privacy, algorithmic bias, model transparency, and the need for interdisciplinary expertise. Many AI models operate as "black boxes," offering predictions without clear explanations, which can be problematic in fields like economics that require interpretability and justification. Addressing these concerns is essential for ensuring trust and accountability in AI-driven forecasting.

Recent academic and institutional efforts have begun to focus on combining the strengths of AI with traditional econometric frameworks, leading to hybrid models that leverage both data-driven learning and economic theory. Such collaborations aim to create robust systems that not only predict accurately but also explain the rationale behind their forecasts. This fusion represents a critical step toward the practical and ethical deployment of AI in economics.

The evolution of AI-based economic forecasting also aligns with broader trends in digital transformation across industries. As digital infrastructure and data accessibility improve globally, more economies are positioned to adopt AI tools in public and private sectors. This democratization of forecasting technology could enhance economic resilience, promote inclusive growth, and foster innovation in economic planning and analysis.

In light of these developments, understanding the role of AI in predictive economic forecasting is vital for academics, practitioners, and policymakers alike. It offers an opportunity to rethink how economic trends are analyzed, interpreted, and anticipated. As AI continues to evolve, its integration into forecasting models may redefine the very nature of economic foresight, leading to smarter, faster, and more informed decision-making processes.

## The Role of AI in Predictive Economic Forecasting



Source- <https://maseconomics.com>

### Justification

The integration of Artificial Intelligence (AI) in predictive economic forecasting is justified by its unparalleled ability to process vast volumes of data at high speeds, far beyond human capabilities. Traditional economic models often rely on limited historical data and static assumptions, which can fail to capture the dynamic and interconnected nature of today's global economy. AI, particularly through machine learning and neural networks, allows for the identification of complex patterns and non-linear relationships in large datasets. This enables more accurate and timely predictions, essential for policymakers, businesses, and investors.

Moreover, AI can assimilate diverse data sources—including structured economic indicators and unstructured data like news, social media sentiment, and satellite imagery—which enriches forecasting models. This multi-dimensional approach enhances the predictive power of models by incorporating real-time inputs and behavioral trends. For example, AI tools can detect early warning signs of economic downturns by analyzing consumer behavior patterns or corporate financial health, offering decision-makers a strategic advantage.

AI also supports continuous learning and adaptation. Unlike static econometric models, AI systems evolve over time as new data becomes available. This adaptability ensures that the models remain relevant and can adjust to emerging economic conditions, policy shifts, and market disruptions. This dynamic quality of AI-based forecasting is crucial in an era marked by rapid technological and geopolitical changes, where traditional forecasting methods often fall short.

# Strategic Power of AI Forecasting



Source- [www.cogentinfo.com](http://www.cogentinfo.com)

Additionally, the application of AI in economic forecasting fosters better risk management and strategic planning. Governments can use AI-driven insights to implement more effective fiscal and monetary policies, while corporations can leverage forecasts to optimize supply chains, investments, and resource allocation. This proactive approach minimizes economic uncertainty and improves resilience against global shocks, such as pandemics or financial crises.

Finally, the growing availability of computational power and big data analytics tools justifies a transition towards AI-enhanced forecasting. With advancements in cloud computing and data infrastructure, AI is becoming more accessible and cost-effective. This democratization of technology enables a broader range of institutions, including developing economies, to harness AI for economic planning and development, thereby fostering more equitable global economic stability and growth.

### Objectives of the Study

1. To explore the applications of artificial intelligence in economic forecasting models.
2. To examine how AI enhances the accuracy of economic predictions.
3. To identify key AI techniques used in predictive economic analytics.
4. To evaluate the impact of AI-driven forecasting on policy and decision-making.
5. To assess the limitations and challenges of implementing AI in economic forecasting.

### LITERATURE REVIEW

The intersection of artificial intelligence (AI) and economic forecasting has emerged as a transformative area of research, reflecting significant advancements in both data availability and computational methodologies. Traditional economic forecasting models, such as autoregressive integrated moving average (ARIMA), vector autoregressions (VAR), and general equilibrium models, have long provided the foundation for economic analysis. However, their reliance on linear assumptions and limited capacity to handle vast, complex datasets has led researchers to explore AI techniques as more robust alternatives. AI methods—particularly machine learning (ML), deep learning (DL), and natural language processing

## The Role of AI in Predictive Economic Forecasting

(NLP)—offer enhanced capacity for pattern recognition, adaptive learning, and integration of unstructured data.

Numerous studies have highlighted the superiority of AI algorithms in forecasting economic indicators like GDP growth, inflation, unemployment rates, and financial market trends. For instance, machine learning models such as random forests, support vector machines, and gradient boosting have demonstrated improved accuracy in short- and medium-term forecasts compared to classical models. These models are particularly adept at capturing nonlinear relationships and adapting to structural shifts in data, which are common in macroeconomic contexts. Additionally, ensemble learning techniques further enhance predictive performance by combining the strengths of multiple algorithms.

Deep learning models, especially recurrent neural networks (RNNs) and long short-term memory (LSTM) networks, have shown significant promise in modeling time-series data due to their memory retention capabilities. These models can effectively manage the temporal dependencies in economic data and have been successfully applied in predicting market trends, stock prices, and exchange rates. The integration of deep learning with big data analytics allows researchers to forecast with higher granularity, often incorporating high-frequency data sources such as real-time market feeds and consumer sentiment indicators.

Another critical area of research involves the application of AI in real-time forecasting using alternative and unstructured data sources. Natural language processing (NLP) techniques have enabled economists to analyze textual data from news articles, financial reports, and social media to gauge public sentiment and predict economic outcomes. Tools such as sentiment analysis and topic modeling are increasingly being used to complement quantitative data, offering insights into market behavior, political risk, and economic confidence. These techniques also enable real-time adjustments to forecasts, making them more responsive to emerging events. Despite these advancements, the adoption of AI in economic forecasting is not without challenges. Issues related to data quality, algorithmic transparency, and model interpretability remain significant concerns. Economic data are often noisy, delayed, or subject to revisions, which can undermine model performance. Furthermore, the "black-box" nature of many AI models poses a barrier for policymakers who require clear, interpretable rationale behind forecasts. Some researchers have responded by developing explainable AI (XAI) techniques that aim to improve the transparency and trustworthiness of predictions.

The integration of AI into economic forecasting has also raised important ethical and policy considerations. The potential for algorithmic bias, overfitting, and misuse of personal or proprietary data must be addressed through robust governance and regulation. Moreover, there is a growing need for interdisciplinary collaboration between economists, computer scientists, and statisticians to ensure that models are both technically sound and economically meaningful. This includes embedding domain knowledge into model architectures and ensuring that forecasts align with economic theory and policy frameworks.

Several empirical evaluations have demonstrated the practical utility of AI-based forecasting in real-world applications. Central banks, investment firms, and international organizations have started incorporating AI into their forecasting toolkits, often using hybrid models that blend AI with traditional econometric methods. Case studies from the IMF, European Central Bank, and private sector institutions have documented measurable improvements in forecasting accuracy, especially during volatile or unprecedented economic periods such as the COVID-

## The Role of AI in Predictive Economic Forecasting

19 pandemic. The role of AI in predictive economic forecasting represents a significant paradigm shift in the field of economics. While traditional models continue to provide theoretical grounding and policy relevance, AI-based approaches offer powerful tools for managing complexity, uncertainty, and real-time data flows. The future of economic forecasting will likely rest on the synergistic integration of both paradigms—leveraging the strengths of AI while retaining the interpretability and rigor of classical economic frameworks. Continued research, ethical safeguards, and collaborative efforts are essential to fully realize the potential of AI in shaping informed and resilient economic policymaking.

### **MATERIALS AND METHODOLOGY**

#### **Research Design**

This study employs a mixed-methods research design, integrating both qualitative and quantitative approaches to explore the application of artificial intelligence (AI) in predictive economic forecasting. The quantitative component focuses on the performance analysis of AI-driven forecasting models (e.g., neural networks, support vector machines, and ensemble methods) using historical economic data. The qualitative component includes expert interviews and literature reviews to understand the contextual and strategic implications of using AI in economic forecasting.

#### **Data Collection Methods**

Data collection was conducted through two main channels:

##### **1. Quantitative Data:**

Historical economic datasets were gathered from reputable sources such as the International Monetary Fund (IMF), World Bank, and national statistical agencies. Data included GDP growth rates, inflation figures, unemployment rates, and interest rates across multiple countries and timeframes. These datasets were used to train and evaluate various AI models (e.g., ARIMA+LSTM hybrids, XGBoost, Prophet).

##### **2. Qualitative Data:**

Semi-structured interviews were conducted with economists, data scientists, and policy analysts with expertise in economic forecasting and AI integration. Additionally, peer-reviewed journals, technical whitepapers, and policy documents were analyzed to extract insights into the perceived benefits, risks, and ethical considerations of AI in economic forecasting.

#### **Inclusion and Exclusion Criteria**

##### **Inclusion Criteria:**

- Economic datasets that spanned a minimum of 15 years.
- Peer-reviewed articles and grey literature published between 2015 and 2025.
- AI models that have been previously validated or peer-reviewed in economic contexts.
- Experts with at least 5 years of experience in either AI modeling or macroeconomic policy.

## The Role of AI in Predictive Economic Forecasting

### Exclusion Criteria:

- Incomplete datasets or those lacking relevant economic indicators.
- Forecasting models without clear documentation or reproducibility.
- Literature not available in English or lacking methodological transparency.
- Experts from non-economic domains or with unverified credentials.

### Ethical Considerations

All ethical standards related to data privacy, consent, and integrity were strictly observed. For interview participants, informed consent was obtained with clear communication regarding the research purpose, confidentiality assurances, and the right to withdraw at any time. Anonymity was preserved in reporting qualitative findings. Public economic datasets were used in accordance with open data policies, ensuring no breach of proprietary or sensitive information. The study also considered the ethical implications of deploying AI in public economic decision-making, including potential biases, transparency issues, and the risk of over-reliance on algorithmic predictions.

## RESULT AND DISCUSSION

The findings of this study highlight the growing effectiveness of Artificial Intelligence (AI) in enhancing predictive economic forecasting across a range of indicators, including GDP growth, inflation, and stock market performance. By analyzing massive datasets using machine learning algorithms, AI-driven models demonstrated higher accuracy rates compared to traditional econometric models. For instance, neural networks and ensemble learning techniques outperformed linear regression approaches in capturing complex non-linear economic trends. This improvement suggests that AI can identify patterns that are not easily discernible through conventional methods.

One of the key results observed was the superiority of AI in real-time data integration and forecasting adaptability. Unlike traditional models that rely on fixed parameters, AI systems are capable of updating forecasts dynamically by incorporating live data streams such as social media sentiment, consumer behavior, and financial market trends. This ability was particularly significant during economic shocks, such as the COVID-19 pandemic, where AI models quickly recalibrated to reflect the volatile market conditions more accurately than static models.

In addition, the study revealed that AI enhances the granularity of economic forecasts. While traditional models often generalize at the national or regional level, AI can generate microeconomic insights, such as sector-specific or even firm-level predictions. This level of detail is valuable for policymakers and investors alike, allowing for more targeted decision-making. Furthermore, AI's predictive strength improves over time as more data becomes available, suggesting a self-learning advantage inherent to AI systems.

Despite these advantages, the discussion also noted certain limitations and ethical concerns. AI models often function as "black boxes," meaning their decision-making processes are not always transparent or interpretable. This opacity can undermine trust and pose challenges for regulatory oversight. Additionally, the risk of algorithmic bias, especially when training data reflects historical inequalities, may lead to skewed economic predictions. Therefore, interpretability and fairness must be central in future AI economic forecasting development.



## The Role of AI in Predictive Economic Forecasting

Overall, the integration of AI into predictive economic forecasting represents a paradigm shift, offering both opportunities and challenges. The results indicate a clear trajectory toward AI-augmented economic planning, but they also underscore the importance of combining technological innovation with ethical governance. As AI continues to evolve, its role in economic forecasting will likely expand, provided there is ongoing effort to ensure transparency, accountability, and inclusiveness in its applications.

### CONCLUSION

The study concludes that Artificial Intelligence is fundamentally transforming the field of economic forecasting. AI-based systems have consistently shown superior predictive accuracy compared to traditional models, particularly in recognizing complex, non-linear relationships within vast and dynamic datasets. These capabilities allow economists and policymakers to make better-informed decisions that are more responsive to real-time changes in economic indicators.

One of the most notable contributions of AI to economic forecasting is its adaptability. Machine learning algorithms, such as deep learning and ensemble models, can recalibrate themselves as new data becomes available. This was especially evident during periods of high volatility, such as the COVID-19 crisis, where AI models adapted far more rapidly than static econometric methods. This dynamic forecasting ability offers a significant advantage in volatile global economies.

Another key insight is the enhanced granularity AI provides in economic analysis. With the capability to deliver firm-level or sector-specific forecasts, AI enables tailored strategies for different economic actors. This micro-level forecasting opens new avenues for localized policymaking, customized financial planning, and investment strategies that were previously difficult to develop using traditional models.

However, the increased reliance on AI models also introduces critical concerns around transparency and accountability. Many AI models operate as "black boxes," where the internal logic is not easily understood by human users. This lack of interpretability raises issues for regulatory bodies and end-users alike, who may find it difficult to validate or trust the outputs. This challenge underscores the importance of developing explainable AI (XAI) frameworks in economic forecasting.

Ethical considerations must also be acknowledged. AI systems trained on historical data may inadvertently reinforce existing biases and structural inequalities in the economic system. Predictive outcomes may favor certain demographics or regions if the training data is skewed, leading to discriminatory practices in lending, hiring, or resource allocation. Developers must implement rigorous fairness and bias-checking protocols to mitigate these risks.

Furthermore, the integration of AI in economic forecasting requires a significant investment in infrastructure and skill development. Institutions must train economists and analysts in AI literacy while also ensuring collaboration between data scientists and domain experts. Bridging this gap will be crucial to leverage the full potential of AI without undermining the theoretical foundations of economic science.

The future trajectory of AI in economic forecasting will likely involve a hybrid approach that integrates the strengths of both traditional models and AI. By using AI to augment rather than replace econometric techniques, forecasters can benefit from increased precision while

## The Role of AI in Predictive Economic Forecasting

maintaining interpretability and theoretical grounding. This blended methodology can offer a more holistic and robust framework for economic prediction.

While AI presents transformative opportunities for economic forecasting, its implementation must be guided by a commitment to transparency, fairness, and cross-disciplinary collaboration. Continued research, policy support, and ethical oversight will be essential to fully realize the benefits of AI while safeguarding against its unintended consequences.

### REFERENCE

1. Agarwal, R., & Dhar, V. (2014). Big Data, Data Science, and Analytics: The Opportunity and Challenge for IS Research. *Information Systems Research*.
2. Athey, S. (2018). The Impact of Machine Learning on Economics. *The Economics of Artificial Intelligence*, University of Chicago Press.
3. Bianchi, D., Büchner, M., & Tamoni, A. (2021). Bond Risk Premiums with Machine Learning. *Review of Financial Studies*.
4. Brynjolfsson, E., & McElheran, K. (2016). Data in Action: Data-Driven Decision Making and Productivity. *American Economic Review*.
5. Chen, H., De, P., Hu, Y. J., & Hwang, B. H. (2014). Wisdom of Crowds: The Value of Stock Opinions Transmitted Through Social Media. *Review of Financial Studies*.
6. Choi, H., & Varian, H. (2012). Predicting the Present with Google Trends. *Economic Record*.
7. Doshi-Velez, F., & Kim, B. (2017). Towards a Rigorous Science of Interpretable Machine Learning. *arXiv preprint*.
8. Fernandes, K. J., et al. (2020). Predictive Modelling Using Machine Learning in Economics. *International Journal of Forecasting*.
9. Floridi, L. (2019). Artificial Intelligence, Responsibility and the Future of Forecasting. *Philosophy & Technology*.
10. Giudici, P., & Spelta, A. (2021). Machine Learning for Economic Risk Management. *Journal of Risk and Financial Management*.
11. Glaeser, E. L., et al. (2022). Using Big Data to Solve Economic Problems. *NBER Working Paper*.
12. Hyndman, R. J., & Athanasopoulos, G. (2018). *Forecasting: Principles and Practice*.
13. Jain, A., & Jain, S. (2020). Artificial Intelligence in Predictive Economic Analytics. *AI & Society*.
14. Kamble, S. S., Gunasekaran, A., & Sharma, R. (2018). Analysis of the Driving Factors of Big Data Analytics in the Economic Sector. *Computers in Industry*.
15. King, G., & Nielsen, R. (2019). Why Propensity Scores Should Not Be Used for Matching. *Political Analysis*.
16. LeCun, Y., Bengio, Y., & Hinton, G. (2015). Deep Learning. *Nature*.
17. Lipton, Z. C. (2016). The Mythos of Model Interpretability. *Communications of the ACM*.
18. Makridakis, S., Spiliotis, E., & Assimakopoulos, V. (2018). Statistical and Machine Learning Forecasting Methods: Concerns and Ways Forward. *PLOS ONE*.
19. Mullainathan, S., & Spiess, J. (2017). Machine Learning: An Applied Econometric Approach. *Journal of Economic Perspectives*.
20. Obermeyer, Z., & Emanuel, E. J. (2016). Predicting the Future — Big Data, Machine Learning, and Clinical Medicine. *New England Journal of Medicine*.
21. Peterson, R. (2020). Ethical Challenges in Predictive Analytics. *Journal of Business Ethics*.

## The Role of AI in Predictive Economic Forecasting

22. Sun, T. Q., & Medaglia, R. (2019). Mapping the Challenges of Artificial Intelligence in the Public Sector. *Government Information Quarterly*.
23. Susskind, D., & Susskind, R. (2015). *The Future of the Professions: How Technology Will Transform the Work of Human Experts*.
24. Varian, H. R. (2014). Big Data: New Tricks for Econometrics. *Journal of Economic Perspectives*.
25. Wang, D., & Zhang, Y. (2020). Explainable Artificial Intelligence for Financial Forecasting. *Expert Systems with Applications*.

### ***Acknowledgments***

The author(s) appreciates all those who participated in the study and helped to facilitate the research process.

### ***Conflict of Interest***

The author declared no conflict of interest.

***How to cite this article:*** Vidhya V T (2025). The Role of AI in Predictive Economic Forecasting. *International Journal of Social Impact*, 10(3), 258-268. DIP: 18.02.030/20251003, DOI: 10.25215/2455/1003030