Investment Analysis of Artificial Intelligence

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Abstract. As the core technology of the new round of social change, artificial intelligence is promoting the upgrading of traditional industries and driving the rapid development of the "unmanned economy," which will have an extremely important impact on the fields of intelligent transportation, smart home, and intelligent medical care. With the arrival of the information age, through coding, programmed machines can complete the tasks that humans can not complete which is intelligence. Today's artificial intelligence allows people to witness real intelligence: let the machine be automatic, through simulation of human thinking and learning ability, to complete many complex tasks and decision-making, with the data, arithmetic, and algorithms to achieve continuous breakthroughs. Additionally, artificial intelligence may even enter an eternal spring. The foreseeable is that AI will reshape human life in the future, and the era of AI with infinite possibilities will come in full swing. The factors that make artificial intelligence worthwhile for people to invest in are crucial. In recent years, people have devoted a lot of time and effort to the invention of artificial intelligence in order to make life more convenient, make people's travel easier, and reduce a lot of unnecessary expenses as well and save a lot of time. Besides, the development of human beings has always been inseparable from artificial intelligence. Every stage of development is improved by technology. However, the emergence of artificial intelligence will undoubtedly improve our lives and enhance our quality of life. More precisely, AI has liberated a large amount of labor and enhanced the way of human thinking.

Keywords: Artificial Intelligence, Development, Convenience daily life, Revolutionary, Automatic.

1. Introduction

The Artificial Intelligence (AI) industry has experienced explosive growth, transforming numerous industries and redefining how businesses operate. Furthermore, AI has become a transformative force, revolutionizing factories and re-organizing the living rhythm. To be honest, AI is a tool to facilitate human convenience, provide more job opportunities, save time, and solve many obstacles in the health field. Venture capital is the effector on the back of this rapid growth. Venture capital (VC) is symbolized as the facilitator of AI technology and encourages companies that have the potential to capitalize on the emerging market.

Artificial intelligence has an expected future. Ai improving the work efficiency. The accuracy of calculus minimizes errors, and AI can collect data easily, which liberates humans from relinquishing the affairs that are wasting time. In the future, AI will take the major development; human is focused on research and inventing the high-tech. Artificial intelligence will be in great demand, becoming a prominent field to invest in. The place that Ai could adapt is usually does not have a limit. For instance, AI technology is usually used as a service in hospitals, supermarkets, hotels, and airports to decrease the employee population.

Hamet and Tremblay wrote an article that focuses on the related with implementation and usage of artificial intelligence (AI) in the field of healthcare. Focuses on the potential benefits of AI technologies in healthcare and explores multiple factors that impede the successful development of AI systems [1]. Zhang and Lu conclude, by looking at the current society, that the rapid development of the AI industry has caused a transformative impact on society, including emphasizing economic benefits, improving labor efficiency, and expanding job opportunities. Moreover, it discusses the essentials of the AI prerequisite data, enabling improved recognition rates and accuracy. Furthermore, the content is explored with the early field of AI research and a knowledge system based on human experts' knowledge [2]. Henstock mentioned that artificial intelligence (AI) has continued developing

and achieved human-level capabilities. AI can improve decision-making for the pharmaceutical industry and seek and transform a better medicine. Additionally, the key is investing in data management, using AI talent by leveraging concepts to create value and using corporate data to solve crucial business problems [3].

Tadapaneni mentioned that current society is accelerating the progress of digitized financial services. Artificial would become a way to replicate human intelligence by using artificial technologies to form intelligent machines. Artificial intelligence's foundation has covered various fields, such as computer science, psychology, mathematics, and linguistics, and has proved to be a fantastic facility in financial services. Firms utilize analytic tools to conduct data. Specifically, AI provides the 'best guess' by enhancing pattern recognition using large amounts of data and modern statistic calculation. AI provides an expected impact when deployed with care, prudence, and diligence. The paper concentrated on expounding on the AI application in finance and the implication of implementation to financial stability. Meanwhile, the consideration in benefits to clients and firms, data privacy and protection, elimination of human capital, and sustainability of financial services of AI [4]. Haenlein and Kaplan discuss artificial intelligence (AI), which they defined as "a system's ability to interpret external data correctly, to learn from such data, and to use those learnings to achieve specific goals and tasks through flexible adaptation." Additionally, Haenlein and Kaplan summarized seven articles published in this issue and presented a broad perspective variety on AI. The articles are authored by several of the world's leading experts and professionals in the AI industry. Moreover, the articles present a comprehensive overview of AI's future, focusing on micro-, meso-, and macro-perspectives [5]. Ashta and Herrmann conclude that Artificial Intelligence (AI) creates considerable opportunity for the financial industry; however, financial organizations need to be clear of inherent risks by using this intelligence technology. Especially, financial organizations are a mixture of AI internally, externally, or in ecosystem-based operation. AI has increased fintech companies increased, encouraged acquisition and mergers between financial service firm providers and wealth management companies, and they are facing volatility, uncertainty, and complexity. Moreover, the promise of AI caused the reduction of costs and increased differentiation. The risks have occurred in non-representative data. However, the representative data include the bias, calculation choices and the human decision based on the artificial explanation (whether humans will be involved when the AI is released) [6].

Mou states that through the business application of artificial intelligence in advanced and emerging economies, the funding, development, and acquisition of AI and start-ups are intensifying in the range of the global race. AI also benefits in increasing the GDP of either advanced countries or emerging markets. For instance, in the energy field, power transmission can be optimized through AI; artificial intelligence largely benefits the healthcare field because of diagnosis and drug discovery, AI providing a more trustworthy result; in education, artificial intelligence can improve the learning environment, increasing the academic performance, helping teenager to prepare for the workplace; at manufacture industry, AI could help in devising function, quality, cost, and revise the predictive maintenance; in the financial area, AI can help the group who are lack in credit and financial services; on the area of transportation and logistics, the benefits of artificial intelligent is not only benefiting on the automatic and road but also in the whole logistics chain. However, only a few countries have invested in advanced technology in emerging markets, even though the benefits will be more from AI implementation than advanced economies [7]. Lui, et al. wrote an article about the impact of Artificial intelligence on a firm value. Artificial Intelligence (AI) gained attention and momentum recently and accelerated the interest and investment in AI. However, the firm values that have been influenced by AI were rarely discussed. The article focused on 119 announcements of 62 firms that focused on investing in AI and discovered that investing in AI will negatively impact firms' market value. Compared to other companies like nonmanufacturing firms, firms with a lack of technology ability will suffer more negative impacts. Afterward, the investor purpose that the AI investment announcement is sending an unwelcome message. Moreover, the characteristics that impact the

shareholders' reaction to AI are displayed. In these articles, the authors provided evidence relevant to the market value of AI for those who are interested and have the tendency to invest in AI [8].

Abonamah et al. stated that the importance of strategic effects and management for artificial intelligence must be carefully examined because the potential and pervasive are continually increasing. Due to various views, such as society, governments, and business organizations, the application of AI is viewed differently. Based on the current society, AI plays an essential role in every section of our lives. Therefore, humans need to have the ability to surpass AI capabilities and have broader views and opinions to recognize the value. Additionally, AI is moving to start commoditization. This paper presents the arguments about the AI commodity and the purpose of a framework to lower the impact of AI commoditization [9]. Naim claims that, according to the current society development, Artificial Intelligence has reached an acceptable level for the public, is rapidly progressive, and applications are spread worldwide. AI has considerably impacted the Financial Sector (FS), including the Financial Market (FM), policies and institutions. Additionally, one of the critical advantages of using the application for AI is Cost Modelling (CMD), which is the part that determines the success of one business. Moreover, AI helps in the CMD measuring and understanding. Specifically, AI discovery brings tremendous transformation to the whole financial industry, which means AI creates innovative financial services such as intelligent consultants, intelligent lending, monitoring, and warning and customer service. This paper mainly talks about AI development, application, and how AI influences macroeconomics and microeconomics to present the benefits of AI in FS and FM. Also, this paper covers the reasons for AI development in risk management and introduces the three approaches and challenges of AI technology in CMD [10].

This paper is related to the value of investing in Artificial Intelligence. To be more detailed, it analyzes the field in which AI is applied and covers the practicability of using AI in current society. Meanwhile, the AI industry is a brand new market, and the existence of risk is very high, so to analyze AI is worth people to invest in is a vital thing. Moreover, people should analyze an industry that can bring people a clearer view, have a sensible choice, and is one of the things that is worthwhile for people to do. Furthermore, the paper includes the application in real situations of AI, the AI business model, and the prospective business paradigm for AI. According to those various perspectives, to conclude a result on the investment analysis for Artificial Intelligence.

2. Apply in real situation of AI

2.1. Online research

Without artificial intelligence, the lives of humans will be primarily impacted. Life will be turned to inconvenience. Most humans cannot live a single day without using our phones, doing research browsing Google, and depriving the translator when we are going to travel. Artificial intelligence can help people to crawl the whole internet and provide the information they are seeking. The advertisements that appear on your device could be defined as a strong AI example. AI operates the advertisements that occur on phones or some social media. The AI will collect your preferences and search experience, then algorithms the thing that you would enjoy and appear to track your move.

2.2. Agriculture

The AI application in agriculture has an essential influence on the market. To be honest, the population in the world is continuously increasing, which indicates that the demand for food also needs to be increased. The organization uses automatic equipment and sophisticated technology to assist farmers in finding efficient ways to protect crops from various considerations such as temperature, pests, and consumer preferences. Additionally, population increase, climate change, and food sustainability have pushed the industry to create more innovative approaches to crop yield and pursue more advanced technology. Image recognition and recognizing potential crop defects by using the photographs taken by the user's mobile camera can be defined as one of the most advanced AI examples in agriculture.

2.3. Automatic Intelligence

Automatic intelligence impels the world to step on a new stage. Self-driving vehicles can be considered one of the most prevalent examples of AI technologies in the real world, and automatic cars are becoming more stable and dispatchable daily. Tesla is the successful case of the "autopilot" model. The occurrences of Tesla implied that artificial intelligence becomes a regular component in just a matter of time.

Advanced algorithms are capable of calculating the correct prediction for object movement behaviors around vehicles. The sectors in the vehicles enable AI devices to gather data, such as radar, cameras, GPS, and cloud networks, and conduct a control signal to the vehicle's operation. Moreover, several cars can park automatically, which is AI-based. In conclusion, the AI achievement on autonomous vehicles can quickly be used by humans.

2.4. Predict disease

The population of infected chronic diseases is increasing, implying that mortality would also increase. However, artificial intelligence could use patient data to predict this type of disease. The algorithms and techniques could aid physicians in ensuring the condition faster, promoting intervention in the early stage and accelerating the decision-making time. Additionally, the AI saves a large amount of time and money to scan the material and offer a suited treatment. These techniques display an evident result in breast and skin cancers, cardiac arrest, pneumonia, and eye diseases. Furthermore, identifying the disease in the early stage which is beneficial for the patient to get treatment and inciting them to have a positive attitude towards life and change their diet.

2.5. Precision medicine solutions

Artificial intelligence includes analytics systems, which indicate AI could assist doctors in creating a personal healthcare plan based on the patient’s lifestyle, daily routine, and genetic characteristics after analysis. Moreover, the medical analytical software minimizes clinical errors and supports researchers and doctors in correctly diagnosing patients and devising suitable healthcare plans by applying AI solutions.

3. Business Model and Prospects of AI

3.1. Business model and operation

Artificial intelligence, which also means AI, has the potential achievement in create capital or make profits in various ways within the business industry, including the aspects of automatic and efficiency, data analysis and insights, personalized customer demand plans, predictive analytics, and risk management, and cost reduction and resource optimization.

Automatic and efficiency has been controlled by AI technology in the current society. To be honest, AI is a system that can do repetitive tasks automatically, and processes in a streamlined way, and the operation efficiency would be improved significantly. The manual employees and human intervention are dramatically reduced, which causes businesses to save time and allocate resources effectively, leading to cost savings and increased productivity. For instance, AI could take the role of answering customer questions, which can lead human employees to focus on more complex tasks.

Data analysis and insights is a sensitive and time-consuming process for humans, but organizing the information is accessible for artificial intelligence to complete. Artificial intelligence is skilled at precise and quickly analyzing data. Through the use of AI algorithms and machine learning techniques, firms can receive valuable insight from the data. Those insights could transfer as they identify trends, provide decision-making, predict consumer action, optimize pricing strategies, and increase overall business achievements.

Artificial intelligence provides a unique service, which is a personalized customer demand plan. To be specific, AI promotes a personalized process between businesses and customers. AI systems

would collect customer preferences, behavior, and needs through data analysis and consumer browsers. Leading the business would deliver tailored recommendations, personalized marketing activity, and offering the products to customers, which improves the loyalty and satisfaction level of customers. Artificial intelligence benefits firms in predictive analytics and risk management. To be honest, AI could vastly decrease the risk that occurs and reduce the financial burden possibility. AI algorithms can anticipate future tendencies, distinguish potential risks, and support decision-making by using analytics data and patterns. The areas such as supply chain organizing and financial forecasting can receive benefits from AI.

The emergence of AI is having a significant impact on the allocation of money and resources. The company could reduce the cost, and the resources could be used for optimization, which means resources in the world could be distributed more effectively. AI can identify opportunities for cost reduction and resource allocation in an optimization way. For instance, AI can replace the employee population, which reduces the cost of money on paying wages, and uses human resources more effectively; the algorithms can optimize energy consumption to maximize the use of limited resources, leading to cost savings.

3.2. Generate new application scenarios on the business aspect

Artificial intelligence could adapt in the pharmacy, market, hospital, firm, and any place that requires the service that needs in giving instruction or some easy service. Nowadays, a new invention is floating on the surface called ChatGPT.

ChatGPT, an AI model that is a type of conversational AI, within unpredictable potential to revolutionize and create a new industry, which is known as AI-powered assistants or can be called chatbot services. ChatGPT is an innovative technology that improves people's lifestyles and advances civilization to a newer stage. ChatGPT can be recognized as the first fully automated answering robot. ChatGPT has the automation and scalability to automate a wide range of tasks and interactions previously handled by human agents. ChatGPT provides instant response and round-the-clock availability and handles multiple conversations simultaneously. Secondly, ChatGPT saves time and saves money. To be specific, ChatGPT has a robust database of almost all the information and content on the world's web pages, so it can accurately capture the information that customers want. Cost saving is reflected in the way that ChatGPT replaces a lot of people's work, such as finding information, collecting data, and analyzing content. As a result, it saves the company from spending money on employees. In addition, ChatGPT also makes people's lives and studies easier. For example, when a student writes an essay, the most important thing he/she needs is some information and some sub-arguments. However, it is difficult for people to come up with many points to prove his/her thesis on the same topic, ChatGPT can expand people's ideas and provide some valuable suggestions for people's reference. In conclusion, ChatGPT displays innovative ideas, represents a new industry, and pushes society to move forward.

4. Conclusion

The main focus of this article is to study the industry of Artificial Intelligence and to analyze the potential growth of this industry and whether the necessity of investment is essential or not. Artificial Intelligence is the most significant factor that drives the progress of the times, and each era changes with the influence of the technology of the time. Humanity has continuously evolved with artificial intelligence. Artificial intelligence, as the core factor of social reform in the new society, is mainly about bringing intelligence into people's lives, bringing great convenience to people, and also quietly changing people's concepts. For example, the usual online research, agriculture development, automatic intelligence, and prediction disease precision medicine solutions all of these aspects contain a large number of AI, and the results produced are also AI provides. In addition, the productivity of AI has dramatically improved the quality of human life. Without the help of AI in agricultural production, famine would occur, and a large number of people would die due to lack of food. Business

applications include automation and efficiency, data analysis and insights, personalized customer demand planning, predictive analytics and risk management, cost reduction, and resource optimization. Cost reduction and resource optimization.

The significance of AI development is not only for the advancement of life but also for the development of humanity. To be honest, humanity has constantly developed with AI. From manual labor to machinery, and now the emergence of artificial intelligence, from a certain point to free people's hands, but also to enhance the human brain. At the same time, the development of the times has also changed the way of thinking of human beings, and the form of society has become free from feudalism.

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