Examining the technological advances and innovations of integrated technologies in terms of their economic and social impact

Zhang, Shoucheng

Cyber Security and Policy Research Institute, George Washington University, USA

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Shoucheng Zhang

Cyber Security and Policy Research Institute, George Washington University, USA Email: shoucheng.zhang@cyberspacetrust.com

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Abstract

In recent years, the concept of Software as a Service (SaaS) referred to as SaaS has been around for about four to five decades. Often, people refer to it as software as a service or simply SaaS, which stands for software as a service. An organization's competitiveness, when it comes to incorporating cutting-edge technologies into its systems, processes, and products, has long been recognized as a key component of the organization's competitiveness. In order for an organization to be able to develop and attract attention in terms of their ability to integrate new technologies into their systems, processes, and products, it is essential that they possess the ability to integrate new technologies into their systems, processes, and products. This area is associated with a number of positive aspects that contribute to its overall growth and development, since it is characterized by a number of positive features that contribute to its overall growth and development. New technologies can sometimes result in an increase in revenue as a result of their introduction as a result of the introduction of a new technology. It is important to understand the technology that is being introduced as a result of the introduction of the new technology as a result of the introduction of the new technology. Obviously there is no doubt that the costs associated with purchasing new electronic devices that use the internet to connect to the internet are on the rise, as we all know. It is important to take into consideration this and this when trying to estimate the cost of these devices. A number of different strategies are used by companies in order to keep their existing customers from migrating away from them in order to prevent their existing customers from migrating away from them in order to keep their existing customers from migrating away from them. This can sometimes be achieved by offering superior services or sometimes it can be achieved by combining both approaches in order to achieve this, all of which contribute to making migrating data an extremely difficult process. Throughout the course of the last few years, there has been a noticeable increase in the awareness of the fact that interacting with data within the context of user systems has become a skill that has evolved into a form of art in and of itself over the course of the past few years. There is no doubt that there has been an evolution of data interacting into a fine art over the years and that the fact that it has evolved into a fine science over the years can be attributed to the fact that it has evolved into a fine art over the years.

Keywords: *Technology and Society, Impact of Technology on society, Impact of New Age Technologies on society, Emerging Technologies and Society*

Introduction

It is very important to be able to be able to make a decision that is both feasible and appropriate for the situation at hand. Knowledge sharing and distribution have greatly benefited from information and communication technology initiatives (Tiwari 2008). Being able to do so requires you to understand both the prerequisites as well as the consequences that need to be taken into consideration in

order to make sure that the decision is both feasible and appropriate. With new technologies emerging in the future, many factors will be influencing how knowledge will be shared as a result of the way in which it is created (Tiwari 2022). It is becoming more and more common for algorithms to be used as a means of solving problems, either in the form of machine learning or algorithms as a means of solving problems using math. Over the past few years, the use of algorithms as a means of solving problems in the form of algorithms has become increasingly widespread as a way of solving the types of problems we face each day. Due to the increase in the use of algorithms as a method of solving problems over the years, the use of algorithms as a method of solving problems has increased over the years, coinciding with the increase in the use of machine learning as a method of resolving problems and with the development of algorithms as a method of solving problems over the years. During the last three years, there has been a threefold increase in the deployment of artificial intelligence over the previous three years. In a recent survey published in the public domain, top technology companies conducted a survey and disclosed the results of the survey. Over the past five years, top technology companies have increased their deployment of artificial intelligence by threefold based on the results of the survey published by Gartner. According to the survey results, this is indeed the case. There has been a steady increase in the percentage of organizations adopting new generation technologies over the last five years, from 32 percent in 2015 to 69 percent in 2021, according to a report. Since the beginning of the year, there has been a 23 percent increase in the deployment of emerging technologies in comparison to the same period last year. By the year 2023, this percentage is expected to reach 84 percent. It represents a 27 percent increase over the same period last year, which represents a 30 percent increase over the same period last year. According to the author's knowledge, no public survey has yet been conducted to determine the types of risks that have increased and the percentage of risks that have increased over recent years. As a result, there has been a rise in risks, whether it is in the public columns or elsewhere. Therefore, over the same period of time, we have been able to observe the same results. This type of study, which is very uncommon in the scientific community, generally follows all the methods that are widely used in data analysis. Besides the fact that the number of people who make up the sample is rarely disclosed, it is also never mentioned how the study territory is distributed around the globe, apart from the fact that the number of people in the sample is rarely disclosed.

Technology and Society

It is generally accepted that the scientific method as a whole has a number of limitations, as a whole. Moreover, intuitive thinking has almost completely disappeared from the scientific method over the past fifty years. Even though there is no doubt about the limitations of this method on its own, this is undoubtedly a method. Although it cannot be denied that scientific method has its limitations, there is no doubt that despite the limitations that are unquestionably present, scientific method can still be an extremely valuable tool. There has been a gradual increase in the level of awareness of this phenomenon over the past few decades, which has been evident for some time already. There is no doubt that people are aware of the security pitfalls associated with e-technology, but it is not uncommon for them to encounter challenges as a result of e-technology. As a result of the fact that everyone is aware of the security concerns, it is not unusual for people to face technology challenges despite the fact that everyone is aware of the security concerns. There is still a tendency to talk about privacy rights when it comes to data protection, despite the fact that everyone is aware of the security concerns associated with data protection, even though there is a tendency to talk about privacy rights.

There have been an increasing number of indications that indicate that there has been an increasing number of indications that there has been an increasing number of indications that there has been an increasing number of indications that it has become increasingly difficult for individuals to be able to understand, interpret, infer, or even to be able to interpret, infer, or even to be able to interpret, infer, or even to be able to infer. While there is no doubt that this method has limitations, it is undeniably a method that has been developed decades ago, so there is no doubt that it has some limitations. As in the

past few decades, we have seen ourselves buried to a degree that has become more and more evident in our everyday lives as a result of the accumulated impact of those many decades. There is also a tendency for people who speak about privacy rights to do so in a way that does not recognize the fact that most people are aware of the importance of privacy rights. The trend at present is to avoid discussing data difficulties in order to avoid creating any discomfort. Due to the fact that this issue is out of fashion at the present time, it is deemed out of fashion to speak about it at this point in time. A typical approach to this is based on the assumption that if someone encounters problems when dealing with data, it is only because he is incompetent in the first place, rather than because he is completely incapable of dealing with it. There are a number of assumptions that are based on a set of underlying assumptions. The assumption is therefore unfounded. From a marketing perspective, it would seem that this would be one of the most comforting approaches from a point of view of the assumption that is underlying it all. I believe that from the perspective of skill development, it would be an incredibly doubtful proposition as far as skill development is concerned.

Emerging technologies and human society

There have been numerous studies conducted that have demonstrated that a wide range of tasks can be performed by new technologies in some cases, which have been demonstrated in a number of studies. As a result of the development of several different disciplines over the past few decades, humans have been recorded as performing better than average in a wide range of different fields. Consequently, I do believe that, based on what has been mentioned so far, it would be fair to conclude that algorithmic comparisons that go beyond the bounds of algorithmic functions are by no means taking the place of humans' ability to make detailed comparisons in any way, shape, or form whatsoever.

The fact that the 'mass-oriented' platforms have an appeal to a large audience due to their 'mass appeal' constitutes substantial evidence that these platforms are able to reach a large audience. It is important to note that there are a number of platforms that fall into this category, such as Instagram, Twitter, and others. Facebook, for example, is a platform that uses algorithms to enhance the engagement between humans and their platform, and it is a platform that aims to reach a wider audience with its mass-oriented platform.

There are platforms that are renowned for their mass-oriented nature, for example, Twitter and Instagram, and they use algorithms as a means of ensuring that there is interaction between their users and their platforms, which are platforms that are known to be mass-oriented. It should be noted that these platforms are designed to be mass-oriented, which means that they use algorithmic processes to ensure that there is interaction between users and those platforms in order to accomplish this aim. Although some people find the novelty value to be very valuable, there are others who find that discovering patterns is much more rewarding, regardless of the fact that certain people find this novelty value to be highly valuable. On the other hand, they find comfort in the knowledge that their predictions were accurate or, on the other hand, they accept the fact that their predictions were correct in reality, or, on the other hand, they find satisfaction in accepting the fact that their predictions were accurate or, on the other hand, they find comfort in the fact that they were right in making their predictions. The whole process of automating the entire process is extremely automated, regardless of what reason you need to do this. It is not necessary to intervene in the process at any point throughout the entire process at all, regardless of the reason for doing so.

Methodology

The study involved 280 participants. As part of this research paper, an understanding of examining the technological advances and innovations of integrated technologies in terms of their economic and social impact has been developed through the use of both aspects. The author conducted a series of surveys to

understand how people interpret the changes in their practices that result from our findings. Participants were asked to fill out a survey to assess their attitudes towards examining the technological advances and innovations of integrated technologies in terms of their economic and social impact. After the implementation process, a survey was conducted to determine if previous expectations were met. In order to be able to form an opinion, they were compared with those that had developed after the start of implementation.

To obtain feedback from respondents, a questionnaire with five-point Likert scale ranging from 5 (strongly agree) to 1 (strongly disagree) was developed. The purpose of the questionnaire was for respondents to rate their level of agreement with the statement based on this scale. In order to determine the validity of the measuring questions, Cronbach's Alpha was calculated, and the calculation of SPSS for Reliability Statistics showed that the Cronbach's Alpha value for the "Number" of items (25 questions on technological advances and innovations of integrated technologies) is '.760'. This indicates that the data are reliable and suitable to be analyzed further. This is greater than a value of '.6'.

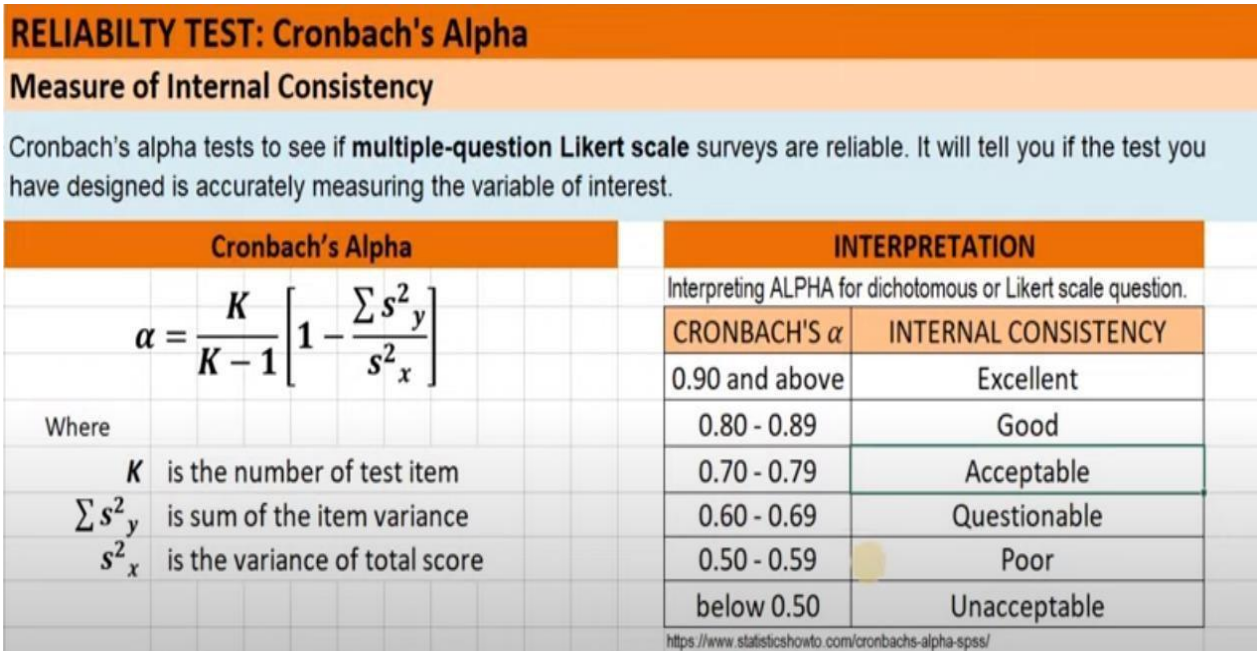


Table - Reliability Statistics

Cronbach's Alpha	N of Items
.760	25

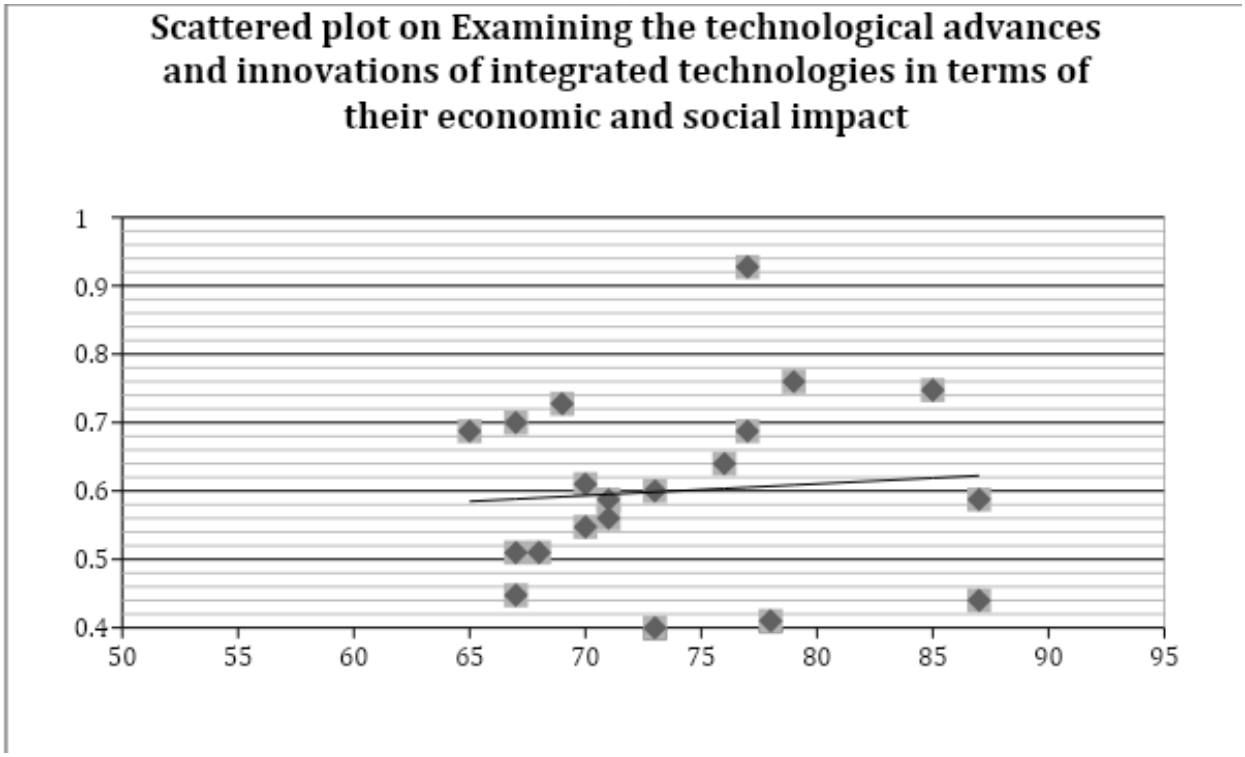
Data Collection

1. **Primary data**: The following primary data was collected from the samples selected through the

use of a questionnaire consisting of 25 questions relate to technological advances and innovations of integrated technologies to study their impact on society and the economy.

2. **Linear Regression**: To further prove or disprove the relationship between the technological advances and innovations of integrated technologies, the former has been considered as an Independent Variable and the latter as a Dependent Variable, a simple linear method, a statistical method, has been implemented to establish the relationship. Establish the relationship between the two variables. The data received from the questionnaire designed as well as the analysis on Excel has helped in showing a general flow of the points based on the X axis and the Y axis, where (y = mx+c) indicates a positive trend, and the points are close together, which is indicative of a strong and positive correlation between technological advances and innovations of integrated technologies in terms of their economic and social impact, as demonstrated by the regression line where they intercept is 0.001 and the m intercept is 0.473. The Slope where a slope is the measure of the steepness of a straight line (Change in y / change in x, for any two points on the line) & Regression Square is .006.

Fig – Linear Regression



Conclusion

Several studies have demonstrated that machine learning algorithms can be performed more effectively if they are designed in a way that limits the types of machines that can be used to perform them in order to make sure they are as effective as possible. There is no doubt that when assessing the impact that these new technologies and their instrumentalities are having on future generations, the user community as a whole has not fully taken into account their impact on future generations. This can be said when assessing the impact of these new technologies and their instrumentalities on future generations. I believe that the user community at large has not even considered this topic as a whole as a matter of fact. As the author of this article, as well as his research, has pointed out, the larger user community has not been able to conduct a comprehensive investigation of this phenomenon within the

broader community of users at large, within the context of the greater community of users at large. Also, he still believes that the group as a whole has not yet fully examined this issue, and that may never happen. Probably because he believes that as a whole, they have not considered this particular issue based on what he has stated.

The issue has not yet been sufficiently considered or examined by the general user community in general, let alone whether or not it should be addressed in a meaningful manner in the near future. As a consequence of the discovery that many institutions involved in the use of new emerging technologies have attempted to reduce risks by limiting the types of machines that can be used to perform machine learning algorithms in order to reduce risks, it has been demonstrated that the use of this method is a very effective method to reduce risks. In an effort to reduce the risks associated with their use in the future, they have attempted to reduce the risks associated with their use in the future by reducing the risks associated with their use in the future. There may be some aspects of business ethics that are valid, and there may be others that are not. According to the author, such an approach does not appear to be governed by any legal framework, either in terms of self-imposed limits imposed by the profession or in terms of those imposed by the government, so it appears that no regulatory framework is in place to govern such an activity. Thus, for a regulation to be truly effective, it must be designed in a way that is future-proof, so that it can also be applied in the future, so that it will be as effective as possible in the future.

References

Aldridge, M. D. (1990). Artificial intelligence management: Fundamental issues for engineering Learning? Journal of Engineering and Artificial intelligence Management, 6(3-4), 303-312.

Anderson, R. E., & Dexter, S. L. (2000). School technology leadership: Incidence and impact.

Baisya, R. K., & Tiwari, S. P. (2008). E-governance Challenges and Strategies for Better-managed Projects. Emerging Technologies in E-Government, 203-208.

Beckwith, Don. "The future of educational technology." 25TH ANN VERSARY (1988): 89.

Bell, D. (1985). Telecommunications and Interpersonal Relationships. Communication in Interpersonal Relationships, 147.

Bostrom, R. P. (1989). Successful application of communication techniques to improve the systems development process. Information & Management, 16(5), 279-295.

Brand, Betsy. "Vocational-Technical Education at the Crossroads." (1989).

Coughlin, Caroline M. "Innovations: Innovation and value-added information delivery." College & research libraries news 50.11 (1989): 1003-1006.

Conger, Jay A., and Rabindra N. Kanungo. "The empowerment process: Integrating theory and practice." Academy of management review 13.3 (1988): 471-482.

Cushman, Donald P., and Dudley D. Cahn, eds. Communication in interpersonal relationships. SUNY Press, 1985.

Eraut, Michael. "Knowledge creation and knowledge use in professioal contexts." Studies in Higher education 10.2 (1985): 117-133.

Fullan, M. (2005). The meaning of educational change: A quarter of a century of learning. In The roots of educational change (pp. 202-216). Springer, Dordrecht.

Granstrand, O. and Sjolander, S. (1990) Managing innovation in multi-artificial intelligence corporations. Research Policy, 19, 1, 35–60.

Granstrand, O., Bohlin, E., Oskarsson, C. and Sjoberg, N. (1992) External artificial intelligence acquisition in large multi-artificial intelligence corporation. R&D Management, 22, 2, 111–133.

Hargie, O. (Ed.). (1986). The handbook of communication skills (p. 37). London: Croom Helm.

Hansen, J. Ø., Jensen, A., & Nguyen, N. (2020). The responsible learning organization: Can Senge (1990) teach organizations how to become responsible innovators?. The Learning Organization.

Hwang, A. S. (2004). Integrating technology, marketing and management innovation. Research-Technology Management, 47(4), 27-31.

Joy, Annamma, and Christopher A. Ross. "Marketing and development in third world contexts: An evaluation and future directions." Journal of Macromarketing 9.2 (1989): 17-31.

Kimble, C. (1999). The Impact of Technology on Learning: Making Sense of the Research. Policy Brief.

Kozlowski, Steve WJ. "Technological innovation and strategic HRM: Facing the challenge of change." Human Resource Planning 10.2 (1987).

Latham, Gary P. "Human resource training and development." Annual review of psychology 39.1 (1988): 545-582.

Light, J. (1989). Toward a definition of communicative competence for individuals using augmentative and alternative communication systems. Augmentative and alternative communication, 5(2), 137-144.

Marzilli, C., Delello, J., Marmion, S., McWhorter, R., Roberts, P., & Marzilli, T. S. (2014). Faculty attitudes towards integrating technology and innovation. arXiv preprint arXiv: 1404.4334.

Potgieter, C. (1999). The impact of artificial intelligence learning, as a new learning area, on in-service teacher learning in South Africa. IMPACTS OF ARTIFICIAL INTELLIGENCE LEARNING, 14, 84.

Quinn, James Brian. "Innovation and corporate strategy: Managed chaos." Technology in society 7.2-3 (1985): 263-279.

Tiwari, S. P. (2011). Diversity and its importance in today’s corporate environment.

Tiwari, S. P. (2014). Editorial: Project and Technology Management Foundation (PTMF) Newsletter.

Tiwari, S. P. (2014). Exploring the Linkage between a Successful Digital Campaign and Gaming.

Tiwari, S.P., & Baisya, R.K.(2014). E–governance and its impact on enterprise competitiveness: Trends, Status and Challenges. MDI, Gurgaon INDIA in Association with Australian Centre for Asian Business, University of South Australia, Adelaide, AUSTRALIA, 108.

Tiwari, S. P. (2015). Strengthening E-Commerce Product Launches-Improving Efficiencies from Development to Production. Project And Technology Management Foundation (A Non-Profit Organization) Member of Asia Pacific Federation of Project Management, 1(2), 4-6.

Tiwari, S. P. (2015). Editorial: Project and Technology Management Foundation (PTMF) Newsletter, 3-1.

Tiwari, S. P. (2015). Knowledge Sharing and Content Creator Best Practices Online.

Tiwari, S. P. (2017). Emerging trends in soybean industry.

Tiwari, S. P., & Tiwari, S. P. (2018). Is export-oriented and currency dynamics-based Indian soybean revolution environment-friendly. Current Science, 114(08), 1604-1605.

Tiwari, S. P. (2022). Emerging Technologies: Factors Influencing Knowledge Sharing. World Journal of Educational Research.

Tiwari, S. P. (2022). Information and communication technology initiatives for knowledge sharing in agriculture. arXiv preprint arXiv:2202.08649.

Tiwari, S. P. (2022). Knowledge Management Strategies and Emerging Technologies--An Overview Of the Underpinning Concepts. arXiv preprint arXiv:2205.01100.

Tiwari, S. P. (2022). Knowledge Enhancement and Mobile Technology: Improving Effectiveness and Efficiency. arXiv preprint arXiv:2208.04706.

Tiwari, S. P. (2022). Re-emergence of Asia in the New Industrial Era. Technium Soc. Sci. J., 29, 471.

Tiwari, S. P. (2022). Organizational Competitiveness and Digital Governance Challenges. Archives of Business Research, 10(3).

Tiwari, S. P. (2022). The Potential Impact of COVID-19 on the Asian Rural Economy: A Study Based on Asian Countries. Journal of Education, Management and Development Studies, 2(3), 1–7. https://doi.org/10.52631/jemds.v2i3.116.

Tiwari, S. P. (2022). Covid-19: Knowledge Development, Exchange, and Emerging Technologies. International Journal of Social Science Research and Review, 5(5), 310-314.

Tiwari, S. P. (2022). Knowledge Management Strategies and Emerging Technologies-an Overview of the Underpinning Concepts-Siddhartha Paul Tiwari.

Tiwari, S. P. (2022). Business: Innovation & Survival, by a Googler.

Vega-Jurado, J., Juliao-Esparragoza, D., Paternina-Arboleda, C. D., & Velez, M. C. (2015). Integrating technology, management and marketing innovation through open innovation models. Journal of technology management & innovation, 10(4), 85-90.