

The Impact of AI and Expert Systems on Employment and Job Security

Muhammad Khuram Khalil¹, Amira Dhanin Ali Al Khatri¹, Feton Nabil Hamed Al Maamari¹, Vikas Rao Naidu^{1#} and Karan Jesrani^{1#}

¹Middle East College, Muscat, Oman

#Advisor

ABSTRACT

There are concerns facing both employment and job security when artificial intelligence and expert systems emerge. Several views appear regarding the emergence of artificial intelligence and expert systems. Some say that these systems will enhance productivity and increase jobs, and there are others who believe that it will lead to job losses and increased income. This paper sheds light on the study of the impact of artificial intelligence and expert systems on employment and job security. In this study, we will focus on statistics by focusing on the responses of artificial intelligence and expert systems and challenges, and the effects of employment and job security, affected by artificial intelligence and expert systems on Employment and job security. The results shown are based on increasing jobs, broad insights into artificial intelligence and expert systems on employment and job security. The positive feedback about these technologies, for example, increasing jobs, reducing costs, increasing productivity. Also, is based on focusing on Challenges faced in artificial intelligence and expert systems, including income increase, job losses, skills increase. The recommendation that should be considered is to promote artificial intelligence and expert systems in a sustainable way, distributing these technologies equally and equitably. This research will support the body of knowledge about artificial intelligence and expert systems and will assist as a valuable resource for those obtaining to understand the probable influence of these technologies on employment and job security. The study concludes that AI indeed really affects job security and something must be done that in as much as we keep growing in technology, we must also find a technique to make jobs using technology.

Introduction

Artificial intelligence advances with the passage of time and has an impact in the coming days. It has opportunities to fill part of the employed jobs to reduce the burden at work and increase productivity. Artificial intelligence provides a lot of work in the labor market that helps in gaining life skills such as communication and discussion with humans.

Methodology

A methodical strategy for reviewing the literature is part of the study design for this review. Choosing keywords pertaining to AI, expert systems, employment, and job security will be the first step in the review. Following that, the search will be conducted utilizing databases like Google Scholar, JSTOR, and ScienceDirect. Articles, books, and reports published in English between 2010 and 2023 will be the inclusion criterion. Literature written in languages other than English and literature published before 2010 will be excluded.

Results

The goal of this research is to examine how artificial intelligence will affect business using examples from around the globe, particularly from Georgia. The report analyzes the stages and key trends in the development of artificial intelligence, including pandemic limits, automation, and employment losses or disappearances. Additionally, it addresses the application of artificial intelligence in the 4.0 industry, its increased significance in the setting of pandemic constraints, and evaluates its function in the post-pandemic period. In addition to content analysis of the scientific literature, statistical indicators, and real-world examples from various nations and international organizations, the article employs both qualitative and quantitative research approaches. Studies from top analytical institutions are also provided to analyze the state of affairs and development prospects.

Literature Review

Current patterns in logical inquiry about and the improvement of data innovations cover increasing zones of commerce. In these conditions, the discoveries of scientific-technical transformation and the developments most vital variables for the country's financial advancement and significant to ended up a competitive state. The slow foundation and the scope of utilization of fake insights on the world's inventive innovation advertise increments every day. The reason for this work is to examine its effect on commerce based on the involvement of the world and especially, in Georgia. Appropriately, the think talks about the stages and primary patterns of fake insights improvement. Depending on the scale of execution, Georgia's current patterns in work cuts/vanishings besides computerization are examined and future prospects are evaluated. The paper talks about the use and expanded significance of manufactured insights 4.0 industry within the context of widespread confinements in different segments of the economy and surveyed the part within the post-pandemic period. The paper employments both subjective and quantitative inquiries about strategies. Substance examination of the logical writing, factual markers, and viable cases of diverse nations and universal organizations is given. Considers of driving expository education are moreover included to examine the current circumstance and prospects for improvement.

Conclusion

We seek to provide artificial intelligence in a way that serves the community and does not affect the employment of workers in the future so that it helps society and employees in the labor market. Artificial intelligence provides fields of work in order to reduce effort and increase productivity at work

References

https://www.researchgate.net/publication/350205306_The_impact_of_artificial_intelligence_on_employment_before_and_during_pandemic_A_comparative_analysis