

The Impact of Artificial Intelligence (AI) on Writing Fluency

Malek Ahmad Kord¹, Fatemeh Miri^{*2}

1. Assistant Professor, Farhangian University
Zahedan (Sistan & Baluchistan) Branch, Iran

2.B.A. student, Farhangian University
Zahedan (Sistan & Baluchistan) Branch, Iran

*** Fatemeh Mirighaleno**, B.A. student, Farhangian University
Zahedan (Sistan & Baluchistan) Branch, Iran

Abstract:

The use of Artificial Intelligence (AI) in writing instruction has become a hot topic among researchers and educators. With the advancements in technology, AI-powered writing tools have emerged as promising tools to facilitate language learning and improve writing skills. This review article aims to explore the impact of AI on writing fluency, an important aspect of language learning and assessment. The paper discusses the similarities between writing and speech, and how AI has the potential to enhance writing instruction by providing personalized and efficient feedback to students. It also delves into the various ways in which AI can improve motivation and engagement in language learners, leading to better writing outcomes. The paper concludes by emphasizing the need for further research in this area to fully understand the role of AI in writing instruction and its long-term effects on language learning.

Keywords: writing, artificial intelligence, fluency

Introduction

Writing is one of the central columns of dialect learning and ought to be of major intrigued and concern to instructors, understudies and analysts . composing depends on numerous of the same structures as discourse, such as lexicon, language structure, and semantics, with the included reliance of a framework of signs or images . Writing fluency investigate is imperative to analysts and instructors inquisitive about encouraging students' written content generation and in evaluating writing . Modern writing apparatuses, fueled by Artificial Intelligence (AI) and accessible in portable gadgets, are promising devices to help understudies in learning and create composing skills that are difficult to memorize from conventional preparing . Artificial Intelligence could be a department of science and innovation that makes shrewdly machines and computer programs to perform different errands which needs human insights. It could be a framework that imitate different capacities which a human can do . AI is one of the foremost imperative objectives to plan mechanized gadgets that can analyze the environment and do an errand as people do. Unused writing applications possibly offer adaptable and time-saving augmentations to the writing educational programs . Inquires about appears, the foremost imperative results of effective instruction is to realize positive motivational generation such as academic self-efficacy and assignment esteem in learners. One of the foremost unmistakable innovation applications that offer assistance to realize this target is AI . AI has gotten to be an indispensable component of the learning and preparing prepare. This sort of innovation can make learning English less demanding and more pleasant . This paper points to investigate the effect of AI on writing fluency. It'll look at how AI innovation has changed the way we write and the potential results of this alter .

1.1. Writing sub-skills

The writing process may be a complex and dynamic endeavor that requires a high level of fluency, accuracy, and complexity. These three components are vital in creating effective and impactful writing .

1.1.2. Writing fluency

The term 'fluency' agreeing to the Oxford Progressed Learners Lexicon is “the quality of being able to speak or write a language, especially a foreign language, easily and well” and “the quality of doing something in a smooth and skilful way” . Writing fluency is the capacity to create written language quickly, suitably, inventively and coherently .

How to measure writing fluency?

given have expressed that fluency is the amount gotten at a certain degree in a given time without putting in as well much exertion, without encountering difficulties without halting for a long time or being hindered, and is related to the consistency and coherence of the created written or verbal item . Quantity and time are considered imperative in expansion to automaticity in fluent writing. Writers able to utilize the greatest number of syllables, words, sentences, and grammar structures within the time apportioned are considered to be fluent writers . Writing fluency could be a concept related to the number of words written per diminutive and the degree of agreement and cohesion of thoughts. Hence, concurring to a few analysts those with fluent writing abilities create more writings in a brief period of time . Fluency isn't a measurement related to how complex or exact words or structures are , fluency may be a estimation related to the number of coherent words and/or structures that a writer is able to string together in a certain time frame . therefore, we are able characterize fluent writing as “the act of writing the maximum number of language units in a short period of time while also paying attention to accuracy, the coherent and consistent organization of ideas within the text, and the usage of words and sentences in a complex manner” .

2.1. AI and education

AI is utilized in education in numerous ways, particularly to assist in improving the learning process and assessment instruments . AI can contribute to developing the learning and educating process through increasing efficiency, creativity, and regulating regulatory procedures. AI empowered online learning tools are versatile, comprehensive, customized, engaging, and effective . Understudies writing performance can move forward through intuitive with Cleverbot.

Hence, text with this Chatbot can be useful for English writing . Analysts moreover explored the impact of AI on education.

For occasion, Ma and Siau demonstrated the positive role of artificial intelligence in developing higher education and supplanting the conventional strategies of education with machine learning environments . AI is additionally being utilized to evaluate students' consideration, feelings, and interaction dynamics, for occurrence in subject improvement and monitoring, in an endeavor to form perfect groups for collaborative learning exercises and understand patterns that anticipate students' fulfillment and drop-out . According above, (AI) has enormously contributed to the development of the learning process. Besides, it can contribute to the development of teaching and learning by helping both instructors and understudies to improve their teaching and learning skills .

2.2. AI platform which are used for writing fluency

In today's fast-paced world, viable communication through writing is crucial for success in both personal and proficient settings . AI platforms enhance writing skills by using advanced algorithms and machine learning techniques for producing high-quality content . AI platforms for writing fluency are software programs which utilize progressed algorithms and machine learning strategies to upgrade the writing process. These platforms are outlined to help writers in making substance that's linguistically correct, concise, and coherent. They provide writers with a range of devices and features that help them improve their writing abilities and produce high-quality content proficiently . AI platforms for writing fluency are designed to assist writers at every stage of the writing process. They provide a range of tools and features that help writers improve their writing skills and produce high-quality content . Some of the key features of these platforms include:

1. Grammar and Spell Check: One of the most basic features of AI platforms for writing fluency is their ability to check for spelling and grammatical errors . These platforms use sophisticated algorithms to identify and correct spelling mistakes, punctuation errors, and grammatical errors. This ensures that the final written piece is free from typos and other common mistakes .
2. Vocabulary Enhancement: AI platforms for writing fluency also offer vocabulary enhancement tools that suggest alternative words and phrases to improve the overall quality of the content. These suggestions are based on the context of the sentence and help writers avoid repetitive words and phrases .
3. Style and Tone Analysis: Another useful feature of AI platforms for writing fluency is their ability to analyze the style and tone of the content . This allows writers to adjust their writing style to suit the intended audience and maintain a consistent tone throughout the piece .

4. Plagiarism Checker: Plagiarism is a serious concern for writers, and AI platforms for writing fluency help address this issue by providing a plagiarism checker. This tool compares the written content with millions of online sources and highlights any potential plagiarized content .

5. Writing Templates: Many AI platforms for writing fluency offer pre-designed templates for different types of writing, such as essays, reports, and emails. These templates provide a structure for writers to follow and help them organize their thoughts and ideas effectively .

2.2.1. Benefits of AI Platforms for Writing Fluency

1. Improved Writing Skills: AI platforms for writing fluency provide writers with instant feedback on their writing, helping them identify their weaknesses and improve their skills . By pointing out grammatical errors and suggesting alternative words and phrases, these platforms help writers become more proficient in their writing.

2. Time-Saving: With the help of AI platforms for writing fluency, writers can produce high-quality content in a shorter amount of time. These platforms eliminate the need for manual proofreading and editing, allowing writers to focus on the content itself .

3. Accessibility: AI platforms for writing fluency are accessible to anyone with an internet connection, making them a valuable tool for students, professionals, and individuals looking to improve their writing skills.

4. Cost-Effective: Many AI platforms for writing fluency offer their services at affordable rates, making them a cost-effective option for those looking to improve their writing skills. This eliminates the need for expensive writing courses or hiring professional editors .

5. Customization: AI platforms for writing fluency offer a range of customization options, allowing users to adjust the settings according to their writing style and preferences. This ensures that the final written piece is in line with the writer's personal voice and style .

Conclusion:

In conclusion use of AI in writing instruction has the potential to greatly enhance language learning and improve writing skills. AI-powered writing tools provide personalized feedback to

students, improving their motivation and engagement. AI can assist students with grammar, vocabulary, and syntax, revolutionizing traditional writing instruction methods. This allows teachers to focus on other aspects of language learning. However, further research is needed to understand the long-term effects of AI on language learning and address concerns about bias and ethics. In conclusion, educators and researchers should continue exploring AI's capabilities in writing instruction and embrace it as a valuable tool in language learning and education.

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