

THE FUTURE OF TRANSLATION IN THE ERA OF DIGITAL TECHNOLOGY

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Abstract:

Many translators convert text from the original language to the target language. In today's digital era, translation has become significantly easier, but the process still involves considerable effort to accurately translate a language into the intended target language. Although technology has simplified many aspects of translation, machine translation can sometimes be unreliable. In various sectors such as education, business, infrastructure, and social areas, the need for accurate translations can present challenges for writers. However, in this digital age, the translation process has become more accessible, even though there are still some drawbacks associated with it. In the digital era, artificial intelligence has made translation more accessible. This AI is extremely swift and fluent, capable of translating almost anything at breakneck speed. However, AI has difficulties translating complex communications, whereas human translators can manage such complexities. One critical feature is that humans comprehend the emotions and subtlety that exist in language, which AI cannot reproduce when making decisions. System file translation is greatly accelerated by machine translation. The manual translation process, on the other hand, takes a lot of time. Long hours are no longer needed to translate anything thanks to machine translation. But if a writer does it by hand, it could take them hours or even months to translate any given document. Machine translation is therefore quick and easy. This document explores the present landscape of translation technologies, their influence on the profession, and the future direction of translation in the digital era.

This paper presents the fundamental aspects of translation, highlighting its significance and various applications. It discusses the differences between human translation and machine translation, as well as the potential pitfalls when each is employed. Time is a crucial factor in both machine and human translation processes. Therefore, this paper emphasizes the key elements that demonstrate the necessity of machine translation and the influence of digital technology on the field of translation.

Keyword: Machine translation ,Artificial intelligence, translation

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Introduction:

When a translator works to convert text from one language to another, the original language and the target language are the most important factors. If the translator fully understands the values of the original language and also knows the cultural values of the target language, they can more easily apply the right translation approach. Even when using machine translation or other AI tools and digital technologies, the background of the original or target language might

not always convey the true meaning of the original language, due to differences in language or cultural traditions. Literary translation requires a significant amount of creativity, as it encompasses various forms such as drama, poetry, and novels. It relies heavily on imagination, which means that we cannot approach literary translation in the same manner as machine translation. In the case of poetry or other types of creative writing, a straightforward translation is often inadequate because the emotions conveyed in the piece

must be understood first. It's essential to grasp the creative intent of the author and the feelings behind their work before attempting a translation. This highlights one of the challenges of translation. Furthermore, artificial technology can sometimes produce inaccurate translations because it lacks the ability to comprehend the emotional depth or creative nuances present in any given work.

Machine translation is not a straightforward task, but historically, individuals had the right to translate any text or work, which required significant time investment. Now, machine translation has taken over many tasks that a human translator would perform. When translating literary works, having a skilled translator is essential, and their services come at a cost. On the other hand, machine translation tends to be more cost-effective compared to human translation. Therefore, there are both advantages and disadvantages to consider when comparing machine translation with human translation.

This paper demonstrates the influence of digital technology and AI tools, highlighting how they generate opportunities for humanity. When we use machine translation to translate text, we can automatically incorporate new terms. In contrast, when translating through human translation, it is necessary to study these new words. If we understand the new vocabulary, we can include it, but we must carefully decide which new terms to add in our translations.

Machine translation vs Human translation:

Machine translation offers a very efficient method for translating various materials, allowing us to translate our work at no cost. It is a quick process that helps us save money by leveraging the latest digital technologies. In the 21st century, translation has become a crucial aspect of digital communication. Artificial intelligence can comprehend the nuances behind geographical and linguistic diversity among different people and dialects, facilitating easier

translations. Therefore, machine translation is a time-saving option that allows us to accomplish everything without any financial investment or time expenditure. When we cannot comprehend the language of other countries, we rely on machine translation technology. This technology can assist us in various ways to grasp aspects of different cultures and their languages. While we may not gain an in-depth understanding, it allows us to recognize how other people live and communicate, as well as their cultural practices. This is a fundamental aspect of machine translation. The most important point is that we can access this support when we face difficulties in understanding foreign languages. Digital technology aids us in numerous ways to understand at least the essential elements of the languages from other countries.

The speed of machine translation is significantly faster compared to human translation, as it is a quicker process. In contrast, human translation takes more time; however, it offers more security and does not require us to worry about the safety of our data during the translation process. During human translation, it's important to reference certain materials or verify information, especially considering the cultural nuances and traditions associated with the target languages, which hold great significance.

When we translate our work from one language to another, security becomes a crucial factor. Using machine translation or artificial intelligence tools raises concerns regarding the security of our translations. Therefore, when we need to translate any sensitive or important information, it is essential to rely on human translators.

When trying to comprehend any piece of work, we must delve into its context. To effectively translate from one language to another, understanding the background and emotions behind the text is essential. When translating between languages, recognizing the

underlying emotions within the entire text is crucial. In the process of translation, it is important to grasp the connections related to the overall content. This task can be time-consuming, as we require foundational knowledge of both the source language and the target language. At times, poetic language can be particularly challenging to interpret. These are fundamental aspects of human translation; we may struggle to perceive the emotions in the target language. Thus, having a solid understanding of both languages is necessary, as direct translation is insufficient without this foundational knowledge.

Machine translation can assist humans, but when it comes to translating legal documents, it's essential to rely on human translators rather than machines. This limitation highlights the shortcomings of machine translation; it is not suitable for legal documents. We should prioritize human translation, especially because there are concerns about the security and confidentiality of our documents with machine translation, whereas human translators provide a guarantee for the quality of our work.

Conclusion:

We all recognize that translation is a time-consuming task, but we also need to acknowledge that having a foundational understanding is essential when translating from one language to another. Without this foundational knowledge and insight into the traditions of the respective culture, effective translation becomes challenging. When we translate from one language to another, it's crucial to grasp the cultural nuances and behaviors of the people involved; otherwise, individuals from the target language may react strongly to their cultural values being misrepresented. Whether we are translating personal documents or texts related to cultural traditions, understanding these cultural aspects is vital; failing to do so can lead to issues in our

translation efforts. Therefore, translation is not as simple as it may seem, and we must fully comprehend the basics associated with the language at hand.

We can convert our work from one language to another using tools like Google Translator, Amazon Translator, machine translation, artificial intelligence, and various other options available on Google. All these types of translation services can be accessed through apps available for download on Google, allowing us to translate any content around the clock. This service is free of charge, enabling us to translate our work into any target language with the help of these tools. We can translate any type of content, whether industrial, social, or official, from one language to our desired language. When we translate from one language to another, miscommunication can arise, which poses a significant issue in translation. This means that if we perform this transfer incorrectly, we may lose our reputation, especially in industries that rely on social communication. Therefore, it is crucial to understand the fundamental aspects of translation. Once we grasp these principles, we must also be familiar with the essential rules of translation. Whether we use machine translation or human translators, it is important to comprehend the key elements involved. We must focus on translating concepts accurately within the context of that language, and understanding these basic necessities ensures that the meaning is conveyed correctly.

Machine translation often struggles to grasp the emotions and creativity present in any piece of writing. However, compared to human translations, it lacks the ability to feel the essence of creativity within that work and to infuse its own creativity into the translated language. When we consider the differences between machine translation and human translation, it becomes clear how important these factors are.

References:

1. Wikipedia
2. RWS..*Future of machine translation in 2025 & beyond. (Anticipated publication/reference based on search results).*

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