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TRANSLATION IN A DIGITIZED WORLD: HAVE HUMANS BEEN REPLACED BY MACHINES?

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ABSTRACT:

Great advancements in machine translation have been made after more than 70 years of progress. A crucial component of any machine translation service has always been ensuring that the translation corresponds to the meaning of the reference. Thus, the main objective of this study is to evaluate and contrast the effectiveness of machine and human translation from English to French. As machine translation technology advances, comparisons to human ability are sometimes made in extremely generic and overstated terms. Examining whether the machine translation service is sufficient and more dependable than the human translation. Overall, this study is important because it makes a genuine effort to understand how successfully machine translation and human translation translate texts, and it will be useful to translators, students, educators, and researchers in the field of translation. Machine translation advances, humans may no longer be performing correct translations but instead modifying texts that have already been translated by machines.

KEYWORDS: Machine translation, human translation, context, technology, post-edit.

INTRODUCTION:

The examination of machine translation focuses on the utilization of computers for language translation. Warren Weaver was the very first to propose the idea of machine translation in 1947, a mere year after the creation of the first computer, the electronic numerical integrator and computer. With the incredibly rapid growth in international communication, the usage of automated machine translation has expanded recently. Major businesses are using machine translation more and more frequently, especially in the area of software localization. Sales of machine translation software for personal computers have also significantly increased, and machine translation is now being provided by a greater variety of online platforms, making it readily available to any person with an internet connection (Puchała-Ladzinska, 2016). Thus, the aims for machine translation have also been raised to what is commonly referred to as excellent translation (Green, 2015; Vashee, 2017). But Grammar, intricate syntactic, semantic, and pragmatic structures are all areas where machine translation falls short. The drawback of these software systems is that they are restricted by their dependence on their own databases and lack of linguistic expertise. Therefore, if new terms or formulations are not incorporated into the systems' data, it will be difficult to precisely translate them. Human translation, on the other hand, frequently aims higher, producing documents that adhere to the linguistic conventions of the target culture and are customized to the readers' presumptive background knowledge (Lars Ahrenberg, 2017). Nonetheless, the quality of machine translation is still a concern. Machine translation must be compared to human translation and the original language at a more profound and detailed textual level, including the levels of words, syntax, semantics, pragmatics, and discourse, in order to assess how well it has translated the target language. This multilevel

comparison will allow us to see how well machine translation compares to human translation and the original language (Haiying Li, Arthur C. Graesser and Zhiqiang Cai, 2014). Some recent publications assert that machine translation is becoming more "human-like" or "gets similar to that of regular human translators" (Wu et al., 2016). Because machine translation systems assist in bridging the gap between human and machine translation because they are fundamentally built from human translations. Modern systems frequently draw statistical structures from millions of human-translated sentences, while individualized and openly available online platforms may also include additional data obtained from an extensive number of translators over a long period of time (Munkova et al., 2021). Some researchers contend that machine translation will never match the caliber of a skilled human translator. However, machine translation systems have only lately begun to be accepted by academics and professional translators (Bowker, 2019; Vieira and Alonso, 2020; Way, 2018). Considering this, numerous translators continue to adapt to the modifications which translation innovations have made to the area of translation and the translation procedure. One kind of response to a translation issue is a translation procedure. Contrary to popular belief, translation techniques may be utilized to describe, characterize, and compare translations as well as translators and translation standards. They will be applied in this context for an analytical comparison of human and machine translation. I feel like this category of information is underutilized in machine translation, (Fomicheva et al., 2015). In the field of language study, translation is such a delicate and complex undertaking that it poses some substantial issues. It can be challenging to translate from a certain script to another when it comes to vocabulary, syntax, sound, style, and application (Akan et al., 2019).

METHODOLOGY:

This study's design is equivalent since it compares human translation and machine translation on the basis of appropriateness and acceptance. Le Petit Prince's original French text was used, along with Katherine Woods' English translation and machine translation. First, the original French document was written by Antoine de Saint-Exupery in 1943. Later in the same year, Katherine Woods produced the first English translation. As an illustration, this study used a brief paragraph to highlight the contrasts between human translation and machine translation.

Original text	Human translation	Machine translation
Bien sûr, dit le renard. Tu n'es	"J <mark>ust that," sai</mark> d the fox. "To	Of course, said the fox. You
encore pour moi qu'un petit	me, you are still nothing	are still for me only a little
garçon tout semblable à cent	m <mark>ore than a lit</mark> tle boy who is	boy quite similar to a
mille petits garçons. Et je n'ai	just like a hundred thousand	hundred thousand little boys.
pas besoin de toi. Et tu n'as	other litt <mark>le boys. And I have</mark>	And I don't need you. And
pas besoin de moi non plus.	no need of you. And you, on	you do not need me either. I
Je ne suis pour toi qu'un	your part, have no need of	am for you only a fox similar
renard semblable à cent mille	me. To you, I am nothing	to a hundred thousand foxes.
renards. Mais, si tu	more than a fox like a	But, if you tame me, we will
m'apprivoises, nous aurons	hundred thousand other	need each other. You will be
besoin l'un de l'autre. Tu	foxes. But if you tame me,	unique in the world for me. I
seras pour moi unique au	then we shall need each	will be for you unique in the
monde. Je serai pour toi	other. To me, you will be	world.
unique au monde.	unique in all the world. To	
	you, I shall be unique in all	
	the world	

RESULTS:

The visual impact of the table reveals that the length of human translation exceeds that of machine translation. This is supported by the fact that, when we compare the translations as a whole, the human translation has more words and characters. This table demonstrates that the translation provided by the machine is both literal and conveys the intended meaning. While that may be true in certain instances, it may also shift the context in others. Due to their short turnaround times and wide selection, online text translation services are growing in popularity. Today's population relies largely on machine translation because most people do not speak all languages. This study employed an experimental approach to examine the effectiveness of machine vs. human translation in a French-English context. The ongoing argument between machine and human translation centers concerns if machine translation is going to replace human translation in a time when machine translation is constantly advancing. The linguistic barrier has been greatly diminished with machine translation. As a result, it

seems that concerns about human translators being substituted by machines in the future are unfounded. Still, it seems likely that the role of the translator will change over time. With the development of machine translations, human translators could no longer be the most precise translators, but instead editors who revise texts that have already been translated by computers.

CONCLUSION:

In this study, the original French and human-made English translations of Google's English translation were compared. The results can be used to enhance the suitability of machine translations by software developers working in the field. The outcomes may also be helpful for specialists in the field doing comparison studies in the area of machine translation versus human translation. There is still an immense need for machine translation as an instrument for translators, particularly when it allows for speedily producing huge quantities of text. Because of this, it's crucial to use machine translation carefully, at least until the system becomes more sophisticated and can comprehend the pragmatic context; supervision is needed to avoid such mistakes. Even though machine translation conveys the intended meaning, people will never be completely supplanted by technology. The content that machine translation produces can only be post-edited by humans.

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