

Evaluation of Writing Support Machine that Automatically Generates Phrases

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Creative writing is at the crux of human ingenuity, a challenging problem for machines and even for humans. We present a neural support system “BUN-CHO” that interacts with humans to generate sentences. Our system has an interface that assists writer by automatically suggesting new phrases based on previous sentences. In the writing of blogs, we compared the presentation of phrases by Markov chain with the presentation by large language model GPT-2 trained in Japanese. As a result, we found that GPT-2 had a better effect on users. Finally, we find that it has implications for future uses of human-in-the-loop systems.

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