

Generative AI – Self Reflection

In my exploration with the P+x technique, I realized that altering the x value impacts the model's output. When the x value is small, GPT-2 selects replacement words that makes a bit more sense at the end of the sentence than when using a higher x value. However, as x value increases, the words chosen makes the final output funnier or absurd. Some words were unexpected, for example, the word “ish” in the first sentence of the P+35 version. I found it funny since I didn’t expect it, and it is not a word typically used in poetry or formal writing but only when speaking if I’m not mistaken. Therefore, this unpredictability can be very useful for generating creative and playful text variations. To implement a P+7 technique in which all nouns are replaced with their seventh-highest probability alternatives, I would first start by implementing a code that would identifying the nouns in the text or even use a noun detector to make it simpler and faster especially with bigger poems. Then, modify the text by replacing each noun with its 7th highest probability alternative by using the same GPT-2 model, and technique used in this assignment. This approach would be funny, strange and would likely change the whole meaning of the original text as there is usually more nouns in a sentence than verbs.