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CS 421

Project Part 3

Input: They had always called it the green river. It made sense. The river was green. The river likely had a different official name, but to everyone in town, it was and had always been the green river. So it was with great surprise that on this day the green river was a fluorescent pink.

Output:- Focused on the past

- Use of concrete nouns, interest in objects/things
- Informal, personal

Input: He heard the loud impact before he ever saw the result. It had been so loud that it had actually made him jump back in his seat. As soon as he recovered from the surprise, he saw the crack in the windshield. It seemed to be an analogy of the current condition of his life.

Output:- Informal, personal

- Focused on the past
- Personal, social

Input: Wandering down the path to the pond had become a daily routine. Even when the weather wasn't cooperating like today with the wind and rain, Jerry still took the morning stroll down the path until he reached the pond. Although there didn't seem to be a particular reason Jerry did this to anyone looking in from the outside, those who knew him well knew exactly what was going on. It could all be traced back to a specific incident that happened exactly 5 years previously.

Output:- Verbal fluency, cognitive complexity

- Use of concrete nouns, interest in objects/things
- Focused on the past

1. Do you agree with your chatbot's analyses? Why or why not?

Yes, I, personally, do agree with the chatbots analyses. Going off the first example, the paragraph has many past tense words like "had" and "was" with great frequency so it obviously is talking about the past in almost all the sentences. The third input has a few sentences that have quite a few words in them which demonstrates some pretty complex sentence structures leading to the analysis of "cognitive complexity" given the fluidity of the sentences. The sentences also have many uses of the word "the" as in the phrases "the weather" or "the path" which demonstrates the next highest frequency of using articles next to concrete nouns as the author is describing many objects in the paragraph.

2. If you were deploying your chatbot more widely and had several months to revise it, what would you add or change to improve upon its analyses?

To improve the analyses I would start by adding more linguistic features to identify and analyze. I would then add regex implementation to match certain phrases and perhaps give them their own special tags. Another way to improve is to try and use different tag sets available to see if one is better than another in the majority of use cases. Lastly, I would check to see if there are better descriptions for psychological correlates that I can apply to my own chatbot.