

EN 600.465

Natural Language Processing

Assignment 1

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1 Problem 2

(a) Why does your program generate so many long sentences? Specifically, what grammar rule is responsible and why? What is special about this rule?

Answer:

(b) The grammar allows multiple adjective, as in *the fine perplexed pickle*. Why do your program's sentences do this so rarely?

Answer:

(d) Which numbers must you modify to fix the problems in (a) and (b), making the sentences shorter and the adjectives more frequent? (Check your answer by running your generator!)

Answer:

(e) What other numeric adjustments can you make to the grammar in order to favor more natural sets of sentences? Experiment. Hand in your grammar file in a file named `grammar2`, with comments that motivate your changes, together with 10 sentences generated by the grammar.

Answer:

```
class HelloWorld:
```
