

ENGL 516: Methods of Formal Linguistic Analysis

Semester: Spring '18

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Class Outline

- ▶ Assignment 6 Discussion
- ▶ Assignment 7 Description
- ▶ Discussion about your final projects
- ▶ Practice exercise

Assignment 6 discussion

(Volunteer team needed)

Assignment 7 description

- ▶ 10% of your grade - 2 questions
- ▶ Related to using non-default Python modules (BeautifulSoup and language tool related libraries)
- ▶ If you don't want to use them, you can use whatever you want and write Python code to answer the same questions.
- ▶ For language tool related stuff: if you see errors in installation, write about what did not work, what you did to try to overcome that etc.

Final projects status discussion

- ▶ What are you doing?
- ▶ How much is already done?
- ▶ What challenges are you facing?

Concepts revision via classroom exercise

I want a program, that takes as input a .txt file path from the user, and prints the following:

- ▶ Number of unique words/total number of words
- ▶ Percentage of words in this document that appeared only once.
- ▶ Average word frequency for top 25 words.

(depending on time, we will see how much we can do today)

Step 1: Think, make notes

1. You can discuss among yourself (groups of 2-3) how to write this program.
2. After 15 minutes, I will randomly pick one person for each sub-question - you have to explain to us how you will write your code
3. You can use whiteboard, or plug in your laptop and do live coding if you are sure.

Step 2: Now, write the program

1. You can reuse your code from previous classes/assignments (e.g., Assignment 4)
2. You can use unix commands (like in Assignment 5) instead of writing a python program, if you want.
3. If you finish this, you can upload your solutions to the forum with today's date.

(We will continue with this on Thursday)

Next Class

- ▶ Continuation of today's classroom project
- ▶ Some practice with user interfaces (keeping final projects in mind)
- ▶ Post in "What concepts do you want me to revise?" forum for additional topics