START OF QUIZ
Student ID:
90412503,Yin,Ting

Question 1

Topic: Lecture 4
Source: Lecture 4

Do you think that children's (age 3-5) picture books would have a higher or lower ratio of adjectives than university literature? Briefly explain your logic. (1)

Question 2

Topic: Lecture 1
Source: Lecture 1

Vowels are often used as a proxy for syllables in words (it's not a perfect correspondence, but it's not bad). Write a function that counts the vowels in a word, without using a loop, using only the tools we went over in Lecture 1 (list comprehension counts as a loop). (2)

Question 3

Topic: Lecture 3
Source: Lecture 3

Describe the concept of the ”Minimum viable product”, and how it relates to using lexicons. (1)

Question 4

Topic: Lecture 2
Source: Lecture 2

If we have a new corpus, how might we automatically determine (without ML): A. The language it's written in. B. Whether it is annotated C. If it is multilingual D. genre? Briefly explain your reasoning. (2)

Question 5

Topic: Lecture 1
Source: Lecture 1

In class, we talked about how .isdigit() is insufficient for determining whether we can convert a string to a float. Write a short function "isfloat" that determines whether a provided string is a valid floating point number. (2)

Question 6

Topic: Lecture 4
Source: Lecture 4

In class, we removed stopwords by using a lexicon. Can you think of another way that we could remove all closed class words? (1)

Question 7

Topic: Lecture 3
Source: Lecture 3

Why do we not care about the extra space required to create a reverse index? (2 reasons) (1)

Question 8

Topic: Lecture 2
Source: Lecture 2

How does Zipf's law relate to Hapax Legomena? (1)

Question 9

Topic: Coding
Source: Coding

Imagine that we have an encrypted data set in a language we don't know, but it is written in the Latin script (ie, the script of English, French, etc.). What are some tests that we could run to try to determine the original language? Please list any assumptions you make. Assume that machine learning is not an option. (3)

END OF QUIZ