START OF QUIZ
Student ID:
37083607,zeng,zejiao

Question 1

Topic: Lecture 1
Source: Lecture 1

How would you reverse a string and keep the result? (1)

Question 2

Topic: Lecture 3
Source: Lecture 3

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

Question 3

Topic: Lecture 4
Source: Lecture 4

In French, negation is often indicated by ”ne ... pas” (ie, ”je ne parle pas” - ”I am not speaking”; ”tu ne conduis pas” - ”You are not driving”, etc.). However, in speech, one of the two is often dropped: ”je ne parle.” or ”tu conduis pas.”. Using this information, how would you determine whether a corpus was composed of written or spoken French? You don't need to write the code, but explain the logic that you would use to come to this conclusion. (2)

Question 4

Topic: Lecture 2
Source: Lecture 2

Do you think it's possible for a language not to follow a Zipfian curve? What consequences might that have on communication (if, let's say, if the curve were linear)? (2)

Question 5

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 6

Topic: Lecture 2
Source: Lecture 2

Why is it important to know when a corpus was constructed, and who constructed it? (1)

Question 7

Topic: Lecture 1
Source: Lecture 1

What are two ways to check if a word is all capital letters (neither should require more than one function call)? (1)

Question 8

Topic: Lecture 3
Source: Lecture 3

Imagine that we have a parallel corpus (ie, a corpus containing sentences in two languages), and we want to extract a bilingual lexicon. What are some simple steps we could do to identify words that could be translations of each other? (2)

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