START OF QUIZ
Student ID: 78076577,Straforello,Francesco

Question 1

Topic: Topic3
Source: Lecture 3

Describe the noisy channel model, and how it can be used to represent ASR.

Question 2

Topic: Topic4
Source: Lecture 4

Briefly describe why soft EM might provide more accurate tagging results than hard EM.

Question 3

Topic: Topic4
Source: Lecture 4

Why are the Forward and Viterbi algorithms considered to be dynamic programming, and why do we care?

Question 4

Topic: Topic1
Source: Lecture 1

When is cosine similarity appropriate as a similarity measure?

Question 5

Topic: Topic2
Source: Lecture 2

Imagine we were using k-means to cluster misspelling around their correct spellings. How many clusters would we need, and what would be a good distance function? Explain.

Question 6

Topic: Topic3
Source: Lecture 3

Explain why HMMs are a generative model, and how that differs from a discriminative model.

Question 7

Topic: Topic2
Source: Lecture 2

When is it more appropriate to use hierarchical clustering than k-means?

Question 8

Topic: Topic1
Source: Lecture 1

Discuss why one might do unsupervised learning instead of supervised learning.

Question 9

Topic: Coding
Source: Lecture 2

Imagine we have three clusters [[X, Y], [M, N, P], [A, B, C, D]], and a point [R]. Write a function that determines which cluster to add R to, given the min linkage criterion.

END OF QUIZ