Week 1 Quiz

TOTAL POINTS 10

1.	True or false? A paradigmatic relation is a relation between two words that tend to <i>co-occur</i> with each other, while a syntagmatic relation is between two words that tend to occur in a <i>similar</i> context.	1 point
	True	
	False	
2.	In a collection of English news articles, which word do you expect to have a higher IDF?	1 point
	"the"	
	(learning)	
3.	Suppose the pseudo-document representations for the contexts of the terms A and B in the vector space model are given as follows:	1 point
	d _A = (0.10, 0.50, 0.00, 0.40, 0.00, 0.00)	
	d _B = (0.20, 0.40, 0.30, 0.00, 0.10, 0.00)	
	What is the EOWC similarity score?	
	0.20	
	0.02	
	0.22	
	<u> </u>	
4.	True or false? Syntactic analysis (parsing) is an easier task than lexical analysis (part-of-speech tagging).	1 point
	Falso	

True

5.	"A man saw a boy with a telescope." What kind of ambiguity does the sentence have?	1 point
	Word-level ambiguity	
	Syntactic ambiguity	
6.	In an online text mining application where response time is the key factor to consider, what kind of NLP features can be used? Check all that apply.	1 point
	Relation extraction	
	Syntactic parsing	
	Word tokenization	
	✓ POS-tagging	
7.	True or false? Deeper NLP requires more human effort and usually is less accurate.	1 point
	False	
	True	
8.	True or false? Word-based representation is not powerful.	1 point
	True	
	○ False	
9.	Which of the following is correct about paradigmatic and syntagmatic words relations?	1 point

\bigcirc	Syntagmatic relation implies paradigmatic relation.	
\bigcirc	Syntagmatic related words have high context similarity.	
•	Monday, Tuesday are words of paradigmatic relation.	
\bigcirc	Paradigmatic related words have high co-occurrence.	
10. WI	ny does EOWC not work well?	1 point
\bigcirc	It favors matching frequent terms.	
•	It treats words unequally.	
\bigcirc	It favors matching rare words.	
	I, BAL KRISHNA NYAUPANE , understand that submitting work that isn't my own ma permanent failure of this course or deactivation of my Coursera account.	y result in

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