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?	
	0.02	
	<u> </u>	
	0.22	
	0.20	

4. True or false? Syntactic analysis (parsing) is an easier task than lexical analysis (part-of-speech tagging).

1 point

False

	True	
5.	"A man saw a boy with a telescope." What kind of ambiguity does the sentence have?	1 point
	Syntactic ambiguity	
	Word-level 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	
	✓ Word tokenization	
	Syntactic parsing	
	✓ 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?	
	Thinest of the following to correct about paradigmatic and syntagmatic words foldtions:	1 point

\bigcirc	Syntagmatic related words have high context similarity.	
\bigcirc	Paradigmatic related words have high co-occurrence.	
•	Monday, Tuesday are words of paradigmatic relation.	
\bigcirc	Syntagmatic relation implies paradigmatic relation.	
10. W	ny does EOWC not work well?	1 point
•	It favors matching rare words.	
\bigcirc	It favors matching frequent terms.	
0	It treats words unequally.	
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