

Module 4 Quiz

Quiz, 5 questions

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1.

Which of the following is not included in WordNet:

- ☐ Sense of a word
 - ☐ Derivationally related forms
 - ☒ Pronunciation
 - ☐ Synonyms
-

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2.

If the shortest distance between words A and B in the WordNet hierarchy is 6, the path-based similarity measure $\text{PathSim}(A,B)$ would be:

- ☐ 6
 - ☐ $1/6 = 0.167$
 - ☐ $1 - 1/5 = 5/6 = 0.833$
 - ☒ $1/(6+1) = 1/7 = 0.143$
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3.

When computing the similarity between words C and D, the distributional similarity based metric gives a higher score than a path-based similarity measure. What can be inferred from this observation?



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Distributional Similarity-based measure is a better metric to compute similarity between C and D (because higher numbers are better)

- ☐ Path-based similarity measure is a better metric to compute similarity between C and D (because lower numbers are better)
 - ☐ This cannot happen -- distributional similarity is always lower than path-based similarity.
 - ☒ Nothing can be inferred. The similarity values from different measures cannot be directly compared.
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4.

Which of the following approaches can be used to recognize monetary values (like USD 100, JPY 1000, etc.)

- ☐ Building regular expressions
 - ☐ Looking up entries in a list
 - ☐ Checking if something is capitalized or title cased
 - ☒ All of the above
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5.

Which of the following is not given as input for a topic modeling setup?

- ☐ Number of topics
 - ☐ The document corpus
 - ☒ The topics
 - ☐ The topic modeling approach (LDA, PLSA, ...)
-



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