1.

In the WordNet hierarchy, the word ‘puppy’ is a direct hyponym of ‘dog’ (i.e. ‘puppy’ is a kind of ‘dog’. The least common subsumer for ‘puppy’ and ‘dog’ is:

Puppy

Dog

Something other than ‘puppy’ or ‘dog’

No least common subsumers exist for hyponym relationships

2.

If ‘puppy’ is a direct hyponym of ‘dog’, ‘dog’ is a direct \_\_\_\_\_\_ of ‘puppy’

Hyponym

Hypernym

Meronym

Synonym

1.

Which of the following is not included in WordNet:

Sense of a word

Derivationally related forms

Pronunciation

Synonyms

1  
point

2.

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

6

1/6 = 0.167

1 - 1/5 = 5/6 = 0.833

1/(6+1) = 1/7 = 0.143

1  
point

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?

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.

1  
point

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

1  
point

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, ...)