

Feedback — Quiz 2

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You submitted this quiz on **Sun 8 Nov 2015 8:28 PM CET**. You got a score of **5.00** out of **5.00**.

Question 1

The dependency representation of the sentence "Jane has a cat" is the following (with the arrows pointing from parent to child node):

| Your Answer | Score | Explanation |
|--|-------------|-------------|
| <input checked="" type="radio"/> has -> cat, has -> Jane, cat -> a | ✓ 1.00 | |
| <input type="radio"/> has -> Jane, Jane -> cat, cat -> has | | |
| <input type="radio"/> has -> Jane, Jane -> cat, a -> cat | | |
| <input type="radio"/> Jane -> has, has -> a, a -> cat | | |
| <input type="radio"/> cat -> has, Jane -> cat, a -> cat | | |
| Total | 1.00 / 1.00 | |

Question 2

Which of the following statements is true:

| Your Answer | Score | Explanation |
|---|-------|-------------|
| <input type="radio"/> The noisy channel model is useful for speech recognition but not for machine translation. | | |
| <input type="radio"/> The word "deer" is a hypernym of the word "animal" | | |

| | |
|---|-------------|
| <input type="radio"/> In Semantic Role Labeling, the verb "accept" takes exactly two arguments (A0=acceptor) and (A1=thing accepted). | |
| <input checked="" type="radio"/> The English verb "play" can be translated differently in French depending on its direct object. | ✓ 1.00 |
| <input type="radio"/> The sentence "A leopard is a cat" entails the sentence "A leopard is a large cat". | |
| Total | 1.00 / 1.00 |

| | | |
|---|--------------|--------------------|
| Question 3 | | |
| The cosine similarity between the vectors (1,2,0) and (1,1,2) is: | | |
| Your Answer | Score | Explanation |
| <input type="radio"/> 0.80 | | |
| <input checked="" type="radio"/> 0.55 | ✓ 1.00 | |
| <input type="radio"/> 1 | | |
| <input type="radio"/> 0.5 | | |
| <input type="radio"/> 0.32 | | |
| Total | 1.00 / 1.00 | |

| | | |
|--|--------------|--------------------|
| Question 4 | | |
| Which of the following is a subsequence but not a substring of "triangle"? | | |
| Your Answer | Score | Explanation |
| <input type="radio"/> ian | | |

| | | |
|---------------------------------------|---|------|
| <input checked="" type="radio"/> tale | ✓ | 1.00 |
| <input type="radio"/> angle | | |
| <input type="radio"/> tri | | |
| <input type="radio"/> triple | | |

| | |
|-------|-------------|
| Total | 1.00 / 1.00 |
|-------|-------------|

Question 5

Which of the following statements about the sentences "dogs chase cats" and "cats chase dogs" is true?

| Your Answer | Score | Explanation |
|--|-------------|-------------|
| <input type="radio"/> a dependency kernel will consider the two sentences identical | | |
| <input type="radio"/> a trigram model will consider the two sentences identical | | |
| <input type="radio"/> a bigram model will consider the two sentences identical | | |
| <input checked="" type="radio"/> a bag of words approach will consider the two sentences identical | ✓ 1.00 | |
| Total | 1.00 / 1.00 | |

