

# Task-oriented dialog systems

Quiz, 8 questions

✓ **Congratulations! You passed!**

Next Item



1 / 1  
point

1.  
What is considered a part of NLU?

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1 / 1  
point

2.  
What metrics do we use for NLU evaluation?

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1 / 1  
point

3.  
Choose correct statements about NLU.

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1 / 1  
point

4.  
Choose correct statements about dialog context.

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1 / 1  
point

5.

Let me remind you the BIOES lexicon encoding algorithm:

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- Let's **match every n-gram** of input text against entries in our lexicon

Take me to San Francisco

- A match is successful when **the n-gram matches the prefix or postfix** of an entry and is at least half the length of the entry

*Matches:*

- "San" → "San Antonio"
- "San" → "San Francisco"
- "San Francisco" → "San Francisco"

- When there are multiple **overlapping matches**:
  - Prefer **exact** matches over partial
  - Prefer **longer** matches over shorter
  - Prefer **earlier** matches in the sentence over later

We will use **BIOES** coding (Begin, Inside, Outside, End, Single)

- B – if token matches the beginning of some entity
- B, I – if two tokens match as prefix
- I, E – if two tokens match as postfix
- S – if matched single token entity
- ...

Suppose you have a **lexicon** of 3 places:

- Los Angeles
- San Francisco
- San Francisco Airport

Let's encode the text "**Los Francisco Airport**".

What encoding will we have?

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point

6.

What is considered a part of a dialog state in DSTC 2 challenge?

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1 / 1  
point

7.

How Frames dataset was collected?

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1 / 1  
point

8.

Choose correct statements about dialog policy.

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