Audit Access Expires May 11, 2020
You lose all access to this course, including your progress, on May 11, 2020.

5. NLP - Symbolic vs Statistical Approaches

NLP - Symbolic vs Statistical Approaches

Video
Download video file

Transcripts
Download SubRip (.srt) file
Download Text (.txt) file

Symbolic Approach

1 point possible (graded)
Let us say that Alice and Bob are interested in building an NLP based system that can have a conversation with a medical patient in order to offer an accurate medical diagnosis for his/her symptoms.

It works by the NLP agent first asking the patient a series of questions about his/her medical condition and then suggesting a possible diagnosis that best fits his/her symptoms.

Alice decides that the best way to solve this problem would be by first automatically infering medically relevant properties from a large training corpus of medical symptoms and their corresponding diagnoses.

Bob decides that it is best to take a different approach and encodes all the required information for this task into an elaborate knowledge representation which he then

uses to make new predictions.

Which of the following is true regarding their approaches. Choose from the options below:

- Alice and Bob both took a symbolic approach
- Alice took a symbolic approach whereas Bob took a statistical approach
- Alice and Bob both took a statistical appro ach
- Alice took a statistical approach whereas Bob took a symbolic approach ✔

Solution:

Symbolic approaches usually encode all the required information into the agent whereas statistical approaches can infer relevant rules from large language samples.

This makes Alice's approach statistical and Bob's symbolic.

Submit You have used 0 of 1 attempt

Answers are displayed within the problem

Discussion

Hide Discussion

Topic: Unit 5 Reinforcement Learning (2 weeks) :Lecture 19: Applications: Natural Language Processing / 5. NLP - Symbolic vs Statistical Approaches

Add a Post

Show all posts by recent activity

There are no posts in this topic yet.

✖