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Unit 7 - Speech to text processing

Register for Certification exam

Course outline

Week 5 Assessment

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-03-06, 23:59 IST

1) A speech recognition system developed to operate for any speaker is *1 point*

- Speaker dependent system
- Speaker independent system
- Speaker adaptive system
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Speaker independent system

2) Which speech recognition system is difficult to handle? *1 point*

- Isolated speech recognition system
- Continuous speech recognition system
- Small vocabulary speech recognition
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Continuous speech recognition system

3) Why is speech recognition challenging on a mobile device? *1 point*

- Consume a lot of energy during algorithm execution
- Low processor clock frequency
- Limited available storage space

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4) Most commonly used statistical technique to build a good acoustic model in speech recognition **1 point**

- Finite state automata
- N-gram model
- Hidden Markov model
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Hidden Markov model

5) HMM can make transitions in: **0 points**

- Only forward
- Only forward
- Both forward and backward
- No transition required

No, the answer is incorrect.
Score: 0

Accepted Answers:
Only forward

6) For re-constructing a sentence from the decoded words, we use: **1 point**

- N-gram model
- HMM model
- GMM model
- Bayesian model

No, the answer is incorrect.
Score: 0

Accepted Answers:
N-gram model

7) In speech recognition pruning your language model with limited vocabulary leads to the following **1 point**

- Generalise your ASR
- Reduces the diversity of ASR
- Slightly affects your ASR accuracy
- Doesn't affect ASR at all

No, the answer is incorrect.
Score: 0

Accepted Answers:
Reduces the diversity of ASR

8) In speech recognition which one of the following is optimal for feature extraction **1 point**

- Take only long frames of speech and extract features
- Take only short frames of speech and extract features

Depending upon the application you can extract either long or short frames of speech

Use both long and short frames of speech for feature extraction

No, the answer is incorrect.
Score: 0

Accepted Answers:
Take only short frames of speech and extract features

Previous Page End