Week 1: Quiz

Started: Oct 27 at 1:42pm

Quiz Instructions

Question 1   1 pts

We have seen several Machine Translation approaches. Check all statements that apply.

- ☐ Rule-based MT systems are transfer-based approaches uniquely.

- ☑ Example-based MT systems are corpus-based and they may be also classified in the direct approaches category.

- ☐ Statistical systems do not use linguistic information of any kind and at any stage.

- ☐ Hierarchical systems are rule-based.

Question 2   1 pts

Rule-based and Corpus-based approaches have their advantages and disadvantages. Check all statements that apply.

- ☐ Rule-based approaches can be developed in short time and without linguistic experts.

- ☐ Corpus-based approaches do not need high quantities of data.

- ☑ Corpus-based approaches do not require knowledge of the language pairs involved in the translation.

- ☐ Rule-based approaches tend to produce a more fluent translation compared to corpus-based approaches.

Question 3   1 pts

How many phases does a direct MT system have?   [1   ⬍]

How many phases does a transfer-based MT system have?   [3   ⬍]

How many phases does an interlingua MT system have?   [2   ⬍]

Question 4   1 pts

We have seen the different blocks that constitute an Apertium system. Check all statements that apply.

- ☑ 3-level transfer rules are needed if the source and the target language have different grammatical structures (i.e. SOV vs SVO).

- ☐ The morphological analyzer is not needed if the source language does not have inflections.

- ☐ Apertium is only available for close language pairs.

- ☑ The structural transfer block needs the bilingual dictionary and the transfer rules.

Question 5   1 pts

Which of the following ones is the most suitable definition of Machine Translation?

- ○ Machine Translation is a set of rules that allows to transfer a source language into a target language.

○ Machine Translation tries to automatically find a universal representation of all languages.

● Machine Translation is the discipline that studies how to automatically obtain a target text given a source text.

○ Machine Translation is the human translation between a source and a target language.

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