

Week 1: Quiz

Started: Oct 27 at 11:59am

Quiz Instructions

Question 1**1 pts**

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

- ☐ Hierarchical systems are rule-based.
- ☐ Statistical systems do not use linguistic information of any kind and at any stage.
- ☐ Example-based MT systems are corpus-based and they may be also classified in the direct approaches category.
- ☐ Rule-based MT systems are transfer-based approaches uniquely.

Question 2**1 pts**

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

- ☐ 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 can be developed in short time and without linguistic experts.
- ☐ 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? 4

Question 4**1 pts**

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

- ☐ Apertium is only available for close language pairs.
- ☒ 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.
- ☒ 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 tries to automatically find a universal representation of all languages.

- ☐ Machine Translation is a set of rules that allows to transfer a source language into a target language.
- ☐ Machine Translation is the human translation between a source and a target language.
- ☒ Machine Translation is the discipline that studies how to automatically obtain a target text given a source text.

Quiz saved at 11:01am

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