

Semantic Web

Exercise sheet 5

Semantic Annotations

Exercise 1 (GATE) (3 points)

Explain in your own words main GATE modules and the functionality they are providing (min 0.5 pages, max 1 page).

Exercise 2 (Part-of-speech tagging) (7 points)

Perform Part-Of-Speech tagging over the following sentence and populate the table given below. Use tags from the Brown Corpus [1]. Usage of appropriate software is allowed.

STI Innsbruck is a research institute at the University of Innsbruck engaged in research and development to bring information and communication technologies of the future into today's world.

Start Index	End Index	Tags

Exercise 3 (KIM) (3 points)

Explain in your own words what is KIM and how it relates to GATE (min ¼ pages, max 0.5 page).

Exercise 4 (Multimedia annotations) (7 points)

Explain in your own words the difference between Visual Descriptors Ontology (VDO) and Multimedia Structures Ontology (MSO) of aceMedia ontology infrastructure. Exemplify the descriptions over the following image. (min 0.5 pages, max 1 page).



References

[1] http://en.wikipedia.org/wiki/Brown_Corpus