

SUJET DE STAGE MASTER 2 RECHERCHE

Parcours Données et Connaissances

Laboratoire de recherche : IRIT

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Title: Argumentation-based ranking logics

Description: Argumentation is an alternative approach for handling inconsistency. Starting from a knowledge base encoded in a particular logical language, it builds arguments and attack relations between them using a consequence operator associated with the language, then it evaluates the arguments using a semantics. Finally, it draws the conclusions that are supported by the "winning" arguments.

The aim of the project is to propose a novel family of argumentation-based logics which uses the novel Burden-Based semantics proposed in [1] for evaluating the arguments. This semantics differs from the ones underlying existing argumentation-based logics in that it satisfies much more interesting properties. Furthermore, it ranks order arguments from the most acceptable to the least acceptable ones. Consequently, a key feature of the new argumentation-based logics lies in that their conclusions are ranked with regard to plausibility.

[1] Leila Amgoud, Jonathan Ben-Naim, Dragan Doder, Srdjan Vesic. Ranking arguments with compensation-based semantics. In KR'2016.

Remarque : Ce stage donnera lieu a des indemnités de stage.