Block 7: Discussion and closing

Argumentation and Explainable AI

- Argumentation can translate the decision of an AI system in an argumentation procedure, which shows step by step how it concludes to a result

- Given a set of possible decisions, the decisions can be mapped to a graphical representation, with predefined attack properties that subsequently will lead to the winning decision and will show the steps that were followed to reach it

- Using argumentation for providing explanations makes an AI system friendlier and more trustworthy to the user as its reasoning mechanism for explaining its decision(s) is closer to the human way of thinking.

(A. Vassiliades et al., 2021)

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Online Handbook of Argumentation for AI