



## TOOLS FOR ARGUMENT ANALYSIS

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### Course outline

By using an example dialog, and a number of examples, this course presents an introduction to some basic concepts and methods of argumentation. The reader is introduced to the following topics:

- How to define what an argument is, and explain the notions of attack and refutation.
- Argumentation schemes, especially those of the presumptive or defeasible kind.
- Argument visualization tools, featuring some recently developed automated tools for assisting in argument diagramming.
- How to handle arguments with implicit premises or conclusions, using examples of health product ads in a news magazine.
- Different types of dialogs, conventionalized structures that represent one party reasoning with another party in response to a request for proof of a disputed claim.
- Includes coverage of some standard fallacies that show how arguments can go wrong.
- Presents a brief survey of the growing interdisciplinary work between argumentation theory and artificial intelligence, and basic problems to be solved.

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