

Logical Definitions

Valid Inference

This is an argument whereby the premises lead logically to the conclusion (note: valid inference does not ensure that the premises themselves are valid).

Cogency

A cogent argument is one that is based on a valid inference.

Valid Argument

This is an argument with a valid inference (which makes it a cogent argument) and also valid premises, which include all vital information.

Valid Inference, Invalid Argument

This is an argument that contains a valid inference (cogency), but is based on premises that are invalid, or that omit vital information.