

Language

Ontological Commitment (What exists in the world)

Epistemological Commitment (What an agent believes about facts)

Propositional logic

facts

true/false/unknown

First-order logic

facts, objects, relations

true/false/unknown

Temporal logic

facts, objects, relations, times

true/false/unknown

Probability theory

facts

degree of belief $\in [0, 1]$

Fuzzy logic

facts with degree of truth $\in [0, 1]$

known interval value