

CS 188

Fall 2015

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Introduction to AI

Rationality is defined in terms of achieving maximum utility by some pre-defined metric or set of goals/intentions. Rationality depends only on the usefulness of the choice reached rather than on any aspect of the process that led to that choice. For example, a rational process for playing tic-tac-toe could be formed simply by creating a table for all game states; this would not have consist of any decision process whatsoever.

AI, economics, statistics, operations research, etc. assume utility to be **exogenously specified**.