

Game Theory Cheat Sheet

by [deleted] via cheatography.com/20265/cs/3088/

Types of Risk Preference

Think investment, or the lottery.

Risk aversion means every
dollar is less valuable than the
previous. Risk neutrality means
the player is indifferent between
gambling and receiving
expected profit with certainty.

Risk seeking means every dollar
is more valuable than the
previous.

Von Neumann-Morgenstern Utility

The **expected utility** of a lottery is the weighted average of preferences of possible outcomes (when the players have "rational preferences." It's invariant under affine transformations.



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