

DECISION THEORY LINEAR MODELS AND DECISIONS

DECISION CHOICE OF ACTION AMONG ALTERNATIVES (LUCE & RAIFFA)

PREFERENCE AND UTILITY

UNDER CERTAINTY KNOWN CONSEQUENCES OF ACTIONS (DEGENERATE RISK)

MAXIMIZE SOME INDEX OF UTILITY

UNDER RISK KNOWN PROBABILITY DISTRIBUTION OVER KNOWN CLASSES OF CONSEQUENCES OF ACTIONS

MAXIMIZE EXPECTED VALUE

UNDER UNCERTAINTY KNOWN CLASS OF CONSEQUENCES, UNKNOWN PROBABILITIES

MULTIPLE AGENTS, KNOWN PREFERENCES

GAME THEORY - CONFLICT, COOPERATION

STATE OF NATURE NEUTRAL PREFERENCE AGENT (PLAYER) GAME THEORY

MAXIMIN (PREFERENCE)

MINIMAX (RISK)

PESSIMISM - OPTIMISM INDEX

INSUFFICIENT REASON (REDUCES TO DECISION UNDER RISK - BAYESIAN)