

Management Decision Models

MANAGEMENT DECISION MODELS

Description

Mathematical and modeling approaches to problems and issues of management and decision-making. Concepts of observation, factorization, open systems, possible worlds, state, function, boundary, constraint, stability, identity, simulation, and virtuality. Models from measurement theory, regression, inferential statistics, nonparametrics, game theory, logic, algebra, computational languages, artificial intelligence, knowledge engineering, situated activity, and boundary mathematics.

Text

Gerald M. Weinberg, *An Introduction to General Systems Thinking*
John Wiley & Sons, New York: 1975

Goal

The primary objective of this class is to expose participants to a diversity of formal techniques for aiding decision-making. We will emphasize exercises which provide both experience with making decisions and data for analysis of decision-making.