

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Management - NOC:Decision-Making Under Uncertainty

Subject Co-ordinator - Prof. N. Gautam

Co-ordinating Institute - IIT - Madras

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Tutorial - How to Install Octave and using Octave
Lecture 2 - Background and relevance
Lecture 3 - Examples of managing uncertainty and making decisions
Lecture 4 - Risk, uncertainty and variability
Lecture 5 - Probability
Lecture 6 - Discrete random variables
Lecture 7 - Continuous random variables
Lecture 8 - Expected Value
Lecture 9 - Multiple Random Variables
Lecture 10 - Criteria, Objectives and Settings for Decisions
Lecture 11 - Introduction to one-time decisions
Lecture 12 - Solving the secretary problem
Lecture 13 - Which option to gamble just once?
Lecture 14 - Utility Function
Lecture 15 - Nested one-time decisions
Lecture 16 - Decision Trees
Lecture 17 - Decisions in Game Shows
Lecture 18 - Decisions in Game Shows
Lecture 19 - Project Network and Analysis
Lecture 20 - Newsvendor Problem
Lecture 21 - Newsvendor Problem
Lecture 22 - Buffers to Cushion for Fluctuations
Lecture 23 - Safety Stock for Inventories
Lecture 24 - Safety Stock
Lecture 25 - Route Planning
Lecture 26 - Exploration and Exploitation
Lecture 27 - Introduction to sequential decision making
Lecture 28 - Costs, Ratings, Options and Choices for both Restaurants
Lecture 29 - Two Stage Stochastic Optimization

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

www.digimat.in

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

- Lecture 30 - Concluding Remarks and Simpson's Paradox
- Lecture 31 - Markov Chains for Decisions
- Lecture 32 - DTMC Modeling and Analysis
- Lecture 33 - Markov Decision Process Set Up
- Lecture 34 - Analyzing the four policies