

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

NPTEL Video Course - Multi Disciplinary - NOC:Multi-Criteria Decision Making and Applications

Subject Co-ordinator - Prof. Raghu Nandan Sengupta

Co-ordinating Institute - IIT - Kanpur

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

Lecture 1 - Example 01, 02, 03

Lecture 2 - Example 03, 04, 05, 06

Lecture 3 - Example 04, 05, 06 (Continued...)

Lecture 4 - Example 06 (Continued...), Example 07

Lecture 5 - Example 06 (Continued...), Example 07

Lecture 6 - MCDM: Definitions, Theory of Choice, MCDM Axioms, Condorcet Paradox

Lecture 7 - Theory of Choice, MCDM Axioms, Condorcet Paradox

Lecture 8 - MCDM Axioms, Condorcet Paradox, Utility Theory

Lecture 9 - Utility Theory, Expected value of Utility Function, Lotteries, Rational Choice, Properties of Utility

Lecture 10 - Rational Choice, Properties of Utility Function, Risk Aversion, Neutrality, Seeking Properties,

Lecture 11 - Utility Theory Examples, Properties of Utility Function, Risk Aversion, Neutrality, Seeking Properties,

Lecture 12 - Properties of Utility Function, Risk Aversion, Neutrality, Seeking Properties, Marginal Utility,

Lecture 13 - Example of Utility Functions, Certainty Equivalent, Geometric Mean Methods, Safety First Principle

Lecture 14 - Example of Utility Functions, Certainty Equivalent, Geometric Mean Methods, Safety First Principle

Lecture 15 - Certainty Equivalent, Geometric Mean Methods, Safety First Principle, Stochastic Dominance, Hyperbolic

Lecture 16 - Geometric Mean Methods, Safety First Principle, Stochastic Dominance, Hyperbolic Absolute Risk Aversion

Lecture 17 - Safety First Principle, Stochastic Dominance, Hyperbolic Absolute Risk Aversion Function

Lecture 18 - Safety First Principle, Stochastic Dominance, Hyperbolic Absolute Risk Aversion Function

Lecture 19 - Stochastic Dominance, Hyperbolic Absolute Risk Aversion Function

Lecture 20 - Stochastic Dominance, Hyperbolic Absolute Risk Aversion Function

Lecture 21 - Concept of Pareto Optimality in 2D Space, Effective Versus Inefficient Solutions, Karush Kuhn Tucker

Lecture 22 - Concept of Pareto Optimality in 2D Space, Effective Versus Inefficient Solutions, Karush Kuhn Tucker

Lecture 23 - Pareto Optimality, Property of Dominance, Strong Pareto Optimality, Weak Pareto Optimality, Concave

Lecture 24 - Concept of Pareto Optimality in 2D Space, Effective Versus Inefficient Solutions, Karush Kuhn Tucker

Lecture 25 - Concept of Pareto Optimality in 2D Space, Effective Versus Inefficient Solutions, Karush Kuhn Tucker

Lecture 26 - Concept of Pareto Optimality in 2D Space, Effective Versus Inefficient Solutions, Karush Kuhn Tucker

Lecture 27 - Concept of Pareto Optimality in 2D Space, Effective Versus Inefficient Solutions, Karush Kuhn Tucker

Lecture 28 - Scales of Measurements: Nominal Scale, Ordinal Scale, Interval Scale, Ratio Scale, Goal Programming

Lecture 29 - Pareto Optimality, Concept of Pareto Optimality, Goal Programming

Get DIGIMAT For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

<http://www.digimat.in>

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

- Lecture 30 - Pareto Optimality, Pareto Curves, Goal Programming
- Lecture 31 - Goal Programming, Concepts of Pareto Optimality in 2D Space for LP, Concepts of Pareto Optimality in 3D Space for LP
- Lecture 32 - Concepts of Pareto Optimality in 2D Space for LP, Concepts of Pareto Optimality in 3D Space for LP
- Lecture 33 - LP Example of Goal Programming/MCDM, NLP Example of Goal Programming/MCDM
- Lecture 34 - LP Example of Goal Programming/MCDM, NLP Example of Goal Programming/MCDM (Continued...)
- Lecture 35 - LP Example of Goal Programming/MCDM, NLP Example of Goal Programming/MCDM (Continued...)
- Lecture 36 - LP Example of Goal Programming/MCDM, NLP Example of Goal Programming/MCDM (Continued...)
- Lecture 37 - Quadratic Programming, Goal Programming
- Lecture 38 - Multi Attribute Utility Theory, TOPSIS
- Lecture 39 - Multi Attribute Utility Theory, TOPSIS
- Lecture 40 - Technique For Order Preference by Similarity to Ideal Solutions (TOPSIS)
- Lecture 41 - Technique For Order Preference by Similarity to Ideal Solutions (TOPSIS)
- Lecture 42 - Technique For Order Preference by Similarity to Ideal Solutions (TOPSIS)
- Lecture 43 - Technique For Order Preference by Similarity to Ideal Solutions (TOPSIS), Elimination and Choice Translating Reality (ELECTRE)
- Lecture 44 - Elimination and Choice Translating Reality (ELECTRE)
- Lecture 45 - Elimination and Choice Translating Reality (ELECTRE)
- Lecture 46 - Elimination and Choice Translating Reality (ELECTRE)
- Lecture 47 - Elimination and Choice Translating Reality (ELECTRE)
- Lecture 48 - Elimination and Choice Translating Reality (ELECTRE), e-ELECTRE
- Lecture 49 - Elimination and Choice Translating Reality (ELECTRE), e-ELECTRE
- Lecture 50 - Elimination and Choice Translating Reality (ELECTRE), e-ELECTRE, VIKOR
- Lecture 51 - VIKOR (VIsekriterijumska Optimizacija I Kompromisno Resenje)
- Lecture 52 - VIKOR (VIsekriterijumska Optimizacija I Kompromisno Resenje)
- Lecture 53 - Analytical Hierarchy Process (AHP)
- Lecture 54 - Analytical Hierarchy Process (AHP) (Continued...)
- Lecture 55 - Analytical Hierarchy Process (AHP) (Continued...)
- Lecture 56 - Data Envelopment Analysis (DEA)
- Lecture 57 - Data Envelopment Analysis (DEA)
- Lecture 58 - Decision Tree Analysis
- Lecture 59 - Decision Tree Analysis (Continued...)
- Lecture 60 - Example in Multi Objective Decision Making