

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

NPTEL Video Course - Multi Disciplinary - NOC:Recommender Systems

Subject Co-ordinator - Prof. Mamata Jenamani

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Recommender system and its business value
- Lecture 2 - Types of recommender system - I
- Lecture 3 - Types of recommender system - II
- Lecture 4 - Data Collection
- Lecture 5 - Data Description
- Lecture 6 - Data preprocessing
- Lecture 7 - Dimensionality Reduction
- Lecture 8 - Introduction to machine learning - I
- Lecture 9 - Introduction to machine learning - II
- Lecture 10 - Introduction to machine learning - III
- Lecture 11 - Distance and Similarity
- Lecture 12 - Distance and Similarity (Continued...)
- Lecture 13 - User-Based Approach
- Lecture 14 - Item-Based Approach
- Lecture 15 - Additional Topics in Neighbourhood Based Approach
- Lecture 16 - Association rule based model
- Lecture 17 - UV Decomposition
- Lecture 18 - The latent factor model
- Lecture 19 - Basic latent factor models
- Lecture 20 - Other advanced models
- Lecture 21 - Introduction to content based recommender system: Foundations
- Lecture 22 - Feature Engineering - I
- Lecture 23 - Feature Engineering - II
- Lecture 24 - Feature Engineering - III
- Lecture 25 - Feature Engineering - IV
- Lecture 26 - Decision Trees for content based recommendation
- Lecture 27 - Naïve Bayes classifier for content based recommendation
- Lecture 28 - kNN Classifier for Recommender System
- Lecture 29 - Rule based classification

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- Lecture 30 - Regression methods and conclusions
- Lecture 31 - Introduction to evaluation of recommender system
- Lecture 32 - Resampling methods
- Lecture 33 - Evaluation metrics for accuracy
- Lecture 34 - Drawing reliable conclusions - I
- Lecture 35 - Drawing reliable conclusions - II
- Lecture 36 - Hybrid recommender systems
- Lecture 37 - Knowledge based recommender systems
- Lecture 38 - Context-Sensitive recommender systems
- Lecture 39 - Structural Recommendations in Networks
- Lecture 40 - Trust aware recommender systems