

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

NPTEL Video Course - Computer Science and Engineering - NOC:Scalable Data Science

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Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Background
- Lecture 2 - Probability
- Lecture 3 - Linear algebra
- Lecture 4 - Optimization
- Lecture 5 - Machine Learning
- Lecture 6 - Memory-efficient data structures
- Lecture 7 - Bloom filters
- Lecture 8 - Sketches for distinct count
- Lecture 9 - Sketches for distinct count (Continued...)
- Lecture 10 - Misra-Gries sketch
- Lecture 11 - Frequent Element
- Lecture 12 - Frequent Element
- Lecture 13 - Near Neighbors
- Lecture 14 - Locality Sensitive Hashing
- Lecture 15 - Building LSH Tables
- Lecture 16 - Approximate near neighbors search
- Lecture 17 - Approximate near neighbors search
- Lecture 18 - Approximate near neighbors search
- Lecture 19 - Randomized Numerical Linear Algebra
- Lecture 20 - Randomized Numerical Linear Algebra
- Lecture 21 - Randomized Numerical Linear Algebra
- Lecture 22 - Randomized Numerical Linear Algebra
- Lecture 23 - Randomized Numerical Linear Algebra
- Lecture 24 - Randomized Numerical Linear Algebra
- Lecture 25 - Randomized Numerical Linear Algebra
- Lecture 26 - Map-reduce and Hadoop
- Lecture 27 - Hadoop System
- Lecture 28 - Hadoop System (Continued...)
- Lecture 29 - Hadoop System (Continued...)

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

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- Lecture 30 - Spark
- Lecture 31 - Spark (Continued...)
- Lecture 32 - Spark (Continued...)
- Lecture 33 - Distributed Machine Learning and Optimization
- Lecture 34 - SGD+Proof
- Lecture 35 - SGD+Proof (Continued...)
- Lecture 36 - Distributed Machine Learning and Optimization
- Lecture 37 - Distributed Machine Learning and Optimization
- Lecture 38 - Clustering
- Lecture 39 - Clustering (Continued...)
- Lecture 40 - Conclusion