

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

NPTEL Video Course - Chemical Engineering - NOC:Applied Time-Series Analysis

Subject Co-ordinator - Dr. Arun K.Tangirala

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Lecture 1 - Part 1 - Motivation and Overview 1
Lecture 2 - Lecture 1 - Part 2 - Motivation and Overview 2
Lecture 3 - Lecture 2 - Part 1 - Motivation and Overview 3
Lecture 4 - Lecture 2 - Part 2 - Motivation and Overview 4
Lecture 5 - Lecture 3 - Part 1 - Motivation and Overview 5
Lecture 6 - Lecture 3 - Part 2 - Motivation and Overview 6
Lecture 7 - Lecture 4 - Part 1 - Probability and Statistics Review 1A
Lecture 8 - Lecture 4 - Part 2 - Probability and Statistics Review 1B
Lecture 9 - Lecture 5 - Part 1 - Probability and Statistics Review 1C
Lecture 10 - Lecture 5 - Part 2 - Probability and Statistics Review 1D
Lecture 11 - Lecture 6 - Part 1 - Probability and Statistics Review 2A
Lecture 12 - Lecture 6 - Part 2 - Probability and Statistics Review 2B
Lecture 13 - Lecture 6 - Part 3 - Probability and Statistics Review 2C
Lecture 14 - Lecture 7 - Part 1 - Probability and Statistics Review 2D
Lecture 15 - Lecture 7 - Part 2 - Probability and Statistics Review 2E
Lecture 16 - Lecture 7 - Part 3 - Probability and Statistics Review 2F
Lecture 17 - Lecture 8 - Part 1 - Probability and Statistics Review 2G (with R Demonstration)
Lecture 18 - Lecture 8 - Part 2 - Probability and Statistics Review 2H (with R Demonstration)
Lecture 19 - Lecture 9 - Part 1 - Probability and Statistics Review 2I
Lecture 20 - Lecture 9 - Part 2 - Probability and Statistics Review 2J
Lecture 21 - Lecture 9 - Part 3 - Introduction to Random Processes 1
Lecture 22 - Lecture 10 - Part 1 - Introduction to Random Processes 2
Lecture 23 - Lecture 10 - Part 2 - Introduction to Random Processes 3
Lecture 24 - Lecture 11 - Part 1 - Introduction to Random Processes 4
Lecture 25 - Lecture 11 - Part 2 - Introduction to Random Processes 5
Lecture 26 - Lecture 11 - Part 3 - Autocovariance & Autocorrelation Functions 1
Lecture 27 - Lecture 12 - Part 1 - Autocovariance & Autocorrelation Functions 2
Lecture 28 - Lecture 12 - Part 2 - Autocovariance & Autocorrelation Functions 3
Lecture 29 - Lecture 13 - Part 1 - Autocovariance & Autocorrelation Functions 4

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	-	Lecture 13	-	Part 2	-	Autocovariance & Autocorrelation Functions	5
Lecture 31	-	Lecture 13	-	Part 3	-	Autocovariance & Autocorrelation Functions	6
Lecture 32	-	Lecture 14	-	Part 1	-	Autocovariance & Autocorrelation Functions	7
Lecture 33	-	Lecture 14	-	Part 2	-	Autocovariance & Autocorrelation Functions	8
Lecture 34	-	Lecture 15	-	Part 1	-	Autocovariance & Autocorrelation Functions	9
Lecture 35	-	Lecture 15	-	Part 2	-	Partial Autocorrelation Functions	
Lecture 36	-	Lecture 16	-	Part 1	-	Autocorrelation and Partial-autocorrelation Functions (with R Demonstrations)	
Lecture 37	-	Lecture 16	-	Part 2	-	Models for Linear Stationary Processes	1
Lecture 38	-	Lecture 17	-	Part 1	-	Models for Linear Stationary Processes	2
Lecture 39	-	Lecture 17	-	Part 2	-	Models for Linear Stationary Processes	3
Lecture 40	-	Lecture 18	-	Part 1	-	Models for Linear Stationary Processes	4
Lecture 41	-	Lecture 18	-	Part 2	-	Models for Linear Stationary Processes	5
Lecture 42	-	Lecture 18	-	Part 3	-	Models for Linear Stationary Processes	6
Lecture 43	-	Lecture 19	-	Part 1	-	Models for Linear Stationary Processes	7
Lecture 44	-	Lecture 19	-	Part 2	-	Models for Linear Stationary Processes	8
Lecture 45	-	Lecture 19	-	Part 3	-	Models for Linear Stationary Processes	9
Lecture 46	-	Lecture 20	-	Part 1	-	Models for Linear Stationary Processes	10
Lecture 47	-	Lecture 20	-	Part 2	-	Models for Linear Stationary Processes	11
Lecture 48	-	Lecture 21	-	Part 1	-	Models for Linear Stationary Processes	12
Lecture 49	-	Lecture 21	-	Part 2	-	Models for Linear Stationary Processes	13
Lecture 50	-	Lecture 22	-	Part 1	-	Models for Linear Stationary Processes	14 (with R Demonstrations)
Lecture 51	-	Lecture 22	-	Part 2	-	Models for Linear Stationary Processes	15 (with R Demonstrations)
Lecture 52	-	Lecture 22	-	Part 3	-	Models for Linear Stationary Processes	16 (with R Demonstrations)
Lecture 53	-	Lecture 23	-	Part 1	-	Models for Linear Non-stationary Processes	1
Lecture 54	-	Lecture 23	-	Part 2	-	Models for Linear Non-stationary Processes	2 (with R Demonstrations)
Lecture 55	-	Lecture 24	-	Part 1	-	Models for Linear Non-stationary Processes	3 (with R Demonstrations)
Lecture 56	-	Lecture 24	-	Part 2	-	Models for Linear Non-stationary Processes	4
Lecture 57	-	Lecture 25	-	Part 1	-	Models for Linear Non-stationary Processes	5
Lecture 58	-	Lecture 25	-	Part 2	-	Models for Linear Non-stationary Processes	6 (with R Demonstrations)
Lecture 59	-	Lecture 26	-	Part 1	-	Fourier Transforms for Deterministic Signals	1
Lecture 60	-	Lecture 26	-	Part 2	-	Fourier Transforms for Deterministic Signals	2
Lecture 61	-	Lecture 27	-	Part 1	-	Fourier Transforms for Deterministic Signals	3
Lecture 62	-	Lecture 27	-	Part 2	-	Fourier Transforms for Deterministic Signals	4
Lecture 63	-	Lecture 28	-	Part 1	-	Fourier Transforms for Deterministic Signals	5
Lecture 64	-	Lecture 28	-	Part 2	-	Fourier Transforms for Deterministic Signals	6
Lecture 65	-	Lecture 29	-	Part 1	-	Fourier Transforms for Deterministic Signals	7
Lecture 66	-	Lecture 29	-	Part 2	-	Fourier Transforms for Deterministic Signals	8
Lecture 67	-	Lecture 30	-	Part 1	-	Fourier Transforms for Deterministic Signals	9
Lecture 68	-	Lecture 30	-	Part 2	-	DFT and Periodogram	1

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 69 - Lecture 31 - Part 1 - DFT and Periodogram 2
Lecture 70 - Lecture 31 - Part 2 - DFT and Periodogram 3 (with R Demonstrations)
Lecture 71 - Lecture 32 - Part 1 - Spectral Representations of Random Processes 1
Lecture 72 - Lecture 32 - Part 2 - Spectral Representations of Random Processes 2
Lecture 73 - Lecture 33 - Part 1 - Spectral Representations of Random Processes 3
Lecture 74 - Lecture 33 - Part 2 - Spectral Representations of Random Processes 4
Lecture 75 - Lecture 33 - Part 3 - Spectral Representations of Random Processes 5
Lecture 76 - Lecture 34 - Part 1 - Spectral Representations of Random Processes 6
Lecture 77 - Lecture 34 - Part 2 - Spectral Representations of Random Processes 7
Lecture 78 - Lecture 35 - Part 1 - Introduction to Estimation Theory 1
Lecture 79 - Lecture 35 - Part 2 - Introduction to Estimation Theory 2
Lecture 80 - Lecture 35 - Part 3 - Introduction to Estimation Theory 3
Lecture 81 - Lecture 36A - Introduction to Estimation Theory -4
Lecture 82 - Lecture 36B - Goodness of Estimators 1 - 1
Lecture 83 - Lecture 37A - Goodness of Estimators 1 - 2
Lecture 84 - Lecture 37B - Goodness of Estimators 1 - 3
Lecture 85 - Lecture 37C - Goodness of Estimators 1 - 4
Lecture 86 - Lecture 38A - Goodness of Estimators 2 - 1
Lecture 87 - Lecture 38B - Goodness of Estimators 2 - 2
Lecture 88 - Lecture 38C - Goodness of Estimators 2 - 3
Lecture 89 - Lecture 39A - Goodness of Estimators 2 - 4
Lecture 90 - Lecture 39B - Goodness of Estimators 2 - 5 (with R demonstrations)
Lecture 91 - Lecture 39C - Goodness of Estimators 2 - 6
Lecture 92 - Lecture 40A - Goodness of Estimators 2 - 7
Lecture 93 - Lecture 40B - Goodness of Estimators 2 - 8
Lecture 94 - Lecture 41A - Estimation Methods 1 - 1
Lecture 95 - Lecture 41B - Estimation Methods 1 - 2
Lecture 96 - Lecture 42A - Estimation Methods 1 - 3
Lecture 97 - Lecture 42B - Estimation Methods 1 - 4
Lecture 98 - Lecture 42C - Estimation Methods 1 - 5
Lecture 99 - Lecture 43A - Estimation Methods 1 - 6 (with R demonstrations)
Lecture 100 - Lecture 43B - Estimation Methods 1 - 7 (with R demonstrations)
Lecture 101 - Lecture 44A - Estimation Methods 1 - 8
Lecture 102 - Lecture 44B - Estimation Methods 1 - 9
Lecture 103 - Lecture 44C - Estimation Methods 2 - 1
Lecture 104 - Lecture 45A - Estimation Methods 2 - 2
Lecture 105 - Lecture 45B - Estimation Methods 2 - 3
Lecture 106 - Lecture 46A - MLE and Bayesian Estimation - 1
Lecture 107 - Lecture 46B - MLE and Bayesian Estimation - 2

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 108 - Lecture 47A - MLE and Bayesian Estimation - 3
Lecture 109 - Lecture 47B - MLE and Bayesian Estimation - 4
Lecture 110 - Lecture 48A - Estimation of Time Domain Statistics - 1
Lecture 111 - Lecture 48B - Estimation of Time Domain Statistics - 2
Lecture 112 - Lecture 49 - Periodogram as PSD Estimator