

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

NPTEL Video Course - Humanities and Social Sciences - NOC:Science Communication: Research Productivity and Da

Subject Co-ordinator - Prof. Nabi Hasan, Prof. Mohit Garg

Co-ordinating Institute - IIT - Delhi

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

Lecture 1 - Introduction to Science Communication

Lecture 2 - Channels of Science Communication

Lecture 3 - Open Science and Open Access

Lecture 4 - Open Research Data and Open Peer Review

Lecture 5 - Overview of Tools for Maximizing Academic Visibility and Impact of Research Output

Lecture 6 - Understanding Research Metrics: Author, Journal and Article Level Metrics

Lecture 7 - Abstract and Citation Database Scopus

Lecture 8 - Abstract and Citation Database: Web of Science

Lecture 9 - Health Science Database: PubMed

Lecture 10 - Free Academic Search Engine: Google Scholar

Lecture 11 - Installation of R

Lecture 12 - Installation of RStudio

Lecture 13 - Object and different types

Lecture 14 - Vector and Data Frame

Lecture 15 - Lists, Matrices, Factor, Array

Lecture 16 - Packages and Help

Lecture 17 - Science communication and different metrics

Lecture 18 - Lotka's law

Lecture 19 - Bradford's law

Lecture 20 - Zipf's Law

Lecture 21 - Descriptive Analysis - I

Lecture 22 - Descriptive Analysis - II

Lecture 23 - Descriptive Analysis - III

Lecture 24 - Analysis of Bradford and Lotka Law

Lecture 25 - Science Mapping - I

Lecture 26 - Science Mapping - II

Lecture 27 - Data Visualization: An overview, history and skills for researchers

Lecture 28 - Data Visualization: Types, tools and technologies

Lecture 29 - Visualization of Scientific Research Patterns and Trends with VOSviewer and CiteSpace

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

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- Lecture 30 - Text Mining - Introduction
- Lecture 31 - Regular Expression
- Lecture 32 - Text Pre-processing
- Lecture 33 - Topic Modeling
- Lecture 34 - THE, QS, Sanghai (ARWU) and (NIRF) Ranking
- Lecture 35 - Academic Integrity and Ethical Guidelines in Science Communication
- Lecture 36 - IPR/Copyright Issues and Practices in Print and Digital Environment
- Lecture 37 - Predatory Publishing: Issues, Challenges and the Road Ahead
- Lecture 38 - Case Study #1 Subject Domain
- Lecture 39 - Case Study #2 Author
- Lecture 40 - Case Study #3 Journal and Institution