NPTEL Video Course - Biotechnology - NOC:Data Analysis for Biologists

Subject Co-ordinator - Prof. Biplab Bose

Co-ordinating Institute - IIT - Guwahati

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

Lecture 30 - Multiple linear regression
Lecture 31 - Multiple linear regression using R
Lecture 32 - Nonlinear regression
Lecture 33 - Nonlinear regression using R
Lecture 34 - Clustering and classification
Lecture 35 - Logistic regression
Lecture 36 - Logistic regression using R
Lecture 37 - Distance mesaures for clustering
Lecture 38 - k-means clustering
Lecture 39 - k-means clustering using R
Lecture 40 - Hierarchical clustering
Lecture 41 - Hierarchical clustering using R
Lecture 42 - Decision tree classifier
Lecture 43 - Support vector machines
Lecture 44 - Higher-dimensional data in biology
Lecture 45 - Principle component analysis
Lecture 46 - Principle component analysis using R
Lecture 47 - t-SNE
Lecture 48 - t-SNE using R
Lecture 49 - Diffusion maps