NPTEL Video Course - Chemical Engineering - NOC:Introduction to Statistical Hypothesis Testing

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Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Motivation
Lecture 2 - Probability and statistics
Lecture 3 - Probability and Statistics
Lecture 4 - R Tutorial 1
Lecture 5 - Statistics for Hypothesis Testing - Part 1
Lecture 6 - Statistics for Hypothesis Testing - Part 2
Lecture 7 - Statistics for sample mean
Lecture 8 - Statistics for Variance and Proportion
Lecture 9 - Type I and Type II errors
Lecture 10 - p value
Lecture 11 - Hypothesis testing of means
Lecture 12 - Hypothesis testing of variance and proportions
Lecture 13 - Confidence interval construction
Lecture 14 - Hypothesis testing using confidence interval
Lecture 15 - Hypothesis testing of correlation
Lecture 16 - Statistic for linear regression
Lecture 17 - Hypothesis testing in linear regression
Lecture 18 - Power of hypothesis test
Lecture 19 - Factors affecting hypothesis test

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