Machine Learning & Data Science with R

8 Days Workshop from 11/04/2021 to 18/04/2021

Prof. T. R. Mahore

Course Description

This course is designed in a way which will help students to understand the concepts of Machine Learning and Data Science. The concepts of Machine Learning and Data Science along with the R - Language. R - Language is one of the most popular language for implementing the Machine Learning and Data Science concepts.

What you'll Learn

- R - Tool
- Data Visualization
- ML Fundamentals
- Applied Statistics

Course Contents

1. Machine Learning and Data Science Introduction
2. Hand's on R - Programming for Machine Learning and Data Science
3. Machine learning fundamentals
4. Data visualization with R
5. Applied Statistics for Machine learning
6. Machine learning fundamentals (Models)
7. ANOVA with R
8. Linear Regression with R
9. Logistic Regression with R
10. Dimension reduction technique
11. Clustering with K-Means
12. Tree based models- CART & Random Forest
13. KNN- K Nearest Model
14. Naive Bayes
15. Neural Networks with R

Course Schedule

Sr. No.	Date	Topic	Time
1	11/04/21	1. Machine Learning and Data Science Introduction 2. Hands on R	11.00 AM to 01.00 PM
2	12/04/21	3. Machine Learning Fundamentals	04.00 PM to 05.00 PM

Sr. No.	Date	Topic	Time
3	13/04/21	4. Data Visualization with R	11.00 AM to 01.00 PM
		5. Applied Ststistics for Machine Learning	
		6. Machine Learning Fundamentals (Models)	
4	14/04/21	7. ANOVA with R	11.00 AM to 01.00 PM
		8. Linear Regression with R	
		9. Logistic Regression with R	
5	15/04/21	10. Dimension Reduction Technique	04.00 PM to 05.00 PM
6	16/04/21	11. Clustering with K - Means	04.00 PM to 05.00 PM
7	17/04/21	12. Tree based models - CART & Random Forest	11.00 AM to 01.00 PM
		13. KNN - K Nearest Model	
8	18/04/21	14. Naive Bayes	11.00 AM to 01.00 PM
		15. Neural Networks with R	