COURSE PLAN

Week 1:
Unsupervised Learning Methods: Association Rules

Week 2:
Unsupervised Learning Methods: Cluster Analysis

Week 3:
Time Series Forecasting: Understanding Time Series and Regression-Based Forecasting Methods

Week 4:
Time Series Forecasting: Smoothing Methods and Conclusion

BUSINESS ANALYTICS AND DATA MINING MODELING USING R - (PART-2)

PROF. GAURAV DIXIT
Department of Management Studies
IIT Roorkee

TYPE OF COURSE: Rerun | Elective | UG/PG
COURSE DURATION: 4 weeks (20 Jul'20 - 14 Aug'20)
EXAM DATE: 27 Sep 2020

INDUSTRY SUPPORT: Big Data companies, Analytics & Consultancy companies, Companies with Analytics Division
PRE REQUISITES: Basic Statistics Knowledge

COURSE OUTLINE:
Objective of this course is to impart knowledge on use of data mining techniques for deriving business intelligence to achieve organizational goals. Use of R statistical computing are included to build, assess, and compare models based on real datasets and cases with an easy-to-follow learning curve.

ABOUT INSTRUCTOR:
Prof. Gaurav Dixit is an Assistant Professor in the Department of Management Studies at the Indian Institute of Technology Roorkee. He earned his doctoral degree from the Indian Institute of Management Indore and an engineering degree from Indian Institute of Technology (BHU) Varanasi. Previously, he worked in Hewlett-Packard (HP) as software engineer, and Sharda Group of Institutions as project manager on deputation.

COURSE PLAN

Week 1: Unsupervised Learning Methods: Association Rules
Week 2: Unsupervised Learning Methods: Cluster Analysis
Week 3: Time Series Forecasting: Understanding Time Series and Regression-Based Forecasting Methods
Week 4: Time Series Forecasting: Smoothing Methods and Conclusion