Big Data Analytics Course Content

Chapter 1: Introduction To Big Data Analytics

- ➢ Big Data Overview
- ➢ State of the Practice in Analytics
- ➢ The Data Scientist
- ➢ Big Data Analytics in Industry Verticals

Chapter 2: Data Analytics Lifecycle

- ➢ Discovery
- ➢ Data Preparation
- ➢ Model Planning
- ➢ Model Building
- ➢ Communicating Results
- ➢ Operationalizing

Chapter 3: Review Of Basic Data Analytic Methods

- ➢ Using R
- ➢ Using R to Look at Data

Chapter 4: Introduction To R

- ➢ Analyzing and Exploring the Data
- ➢ Statistics for Model Building and Evaluation

Chapter 5: Advanced Big Data Analytics

- ➢ Theory and Methods
- ➢ K Means Clustering
- ➢ Association Rules
- ➢ Linear Regression
- ➢ Logistic Regression
- ➢ Naïve Bayesian Classifier
- ➢ Decision Trees
- ➢ Time Series Analysis
- ➢ Text Analysis

Chapter 6 : Advanced Big Data Ecosystem Analytics

- ➤ Technologies and Tools
- ➤ Analytics for Unstructured Data
- ➤ MapReduce and Hadoop
- ➤ The Hadoop Ecosystem
- ➤ In-database Analytics
- ➤ SQL Essentials
- ➤ Advanced SQL and MADlib for In-database Analytics

Putting It All Together

- ➤ Operationalizing an Analytics Project
- ➤ Creating the Final Deliverables
- ➤ Data Visualization Techniques
- ➤ Final Lab Exercise on Big Data Analytics

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Know more about Big Data

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