

Introduction to Data Science



Course Overview

The Introduction to Data Science course is an introduction to the discipline of Data Science. The course sets the foundation for understanding how to leverage Data Science to solve real-world problems. It provides an overview of the explosion of data and the evolution of data analytics. It then introduces the participant to the Data Science Process.

Intended Audience

This Introduction to Data Science course is intended for audiences that are relatively new to the field of Data Science. No prior Data Science training or knowledge is required.

Prerequisites

Attendees must download the R and the RStudio IDE onto their personal laptops. The websites for downloading the both tools are below:

Learning Objectives

- ✔ Introduce data science essentials by exploring the data science process
- ✔ Discuss the significance of data and the data explosion
- ✔ Explore the meaning and value of Data Science
- ✔ Examine an overview of Data Science and Machine Learning
- ✔ Learn the data science process and how its components interact
- ✔ Define Big Data and understand its challenges
- ✔ Explore the process and importance of defining a business problem



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