

BeVera

COURSE OUTLINE

Cluster Analysis

Course Overview

In this course, participants will learn the basics of cluster analysis, one of the most popular data mining methods for the discovery of patterns in learning data, and its application in learning analytics. This course using the R programming language will get you started with hands-on examples. The course is ideal for professionals who need to use cluster analysis in their work.

Intended Audience

Cluster Analysis is intended for data analysts, data scientists, and researchers that have working knowledge of the R programming language.

Prerequisites

Attendees must have completed Data Wrangling and Visualization Basics I course and must have R and RStudio on their laptops.

Learning Objective

- Understand unsupervised learning and clustering using R-programming language
- Explore reason to choose algorithms and discuss cautions in Clustering Analysis
- Learn to get an intuitive graphical explanation that is easily understood
- Learn the theoretical background of K-means and Hierarchical clustering analysis
- Evaluate model performance and learn the best practices for evaluating machine learning accuracy
- Carry out data preparation and work in packages needed to perform analysis visualizations



For scheduling and/or assistance
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