



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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**You can reach us at:**

9201 Dry Creek Rd. Centennial, CO 80112, United States

Email: [arrow\\_learning@arrow.com](mailto:arrow_learning@arrow.com)  
Phone: 303 790 2330



# Unsupervised Learning

**CODE:**      **LENGTH:**      **PRICE:**

W7104G      8 Hours      \$791.00

## Description

This course introduces you to one of the main types of Machine Learning: Unsupervised Learning. You will learn how to find insights from data sets that do not have a target or labeled variable. You will learn several clustering and dimension reduction algorithms for unsupervised learning as well as how to select the algorithm that best suits your data. The hands-on section of this course focuses on using best practices for unsupervised learning.

**IBM Customers and Sellers:** If you are interested in this course, consider purchasing it as part of one of these Individual or Enterprise Subscriptions:

- IBM Learning for Data and AI Individual Subscription ([SUBR022G](#))
- IBM Learning for Data and AI Enterprise Subscription ([SUBR004G](#))
- IBM Learning Individual Subscription with Red Hat Learning Services ([SUBR023G](#))

## Objectives

By the end of this course you should be able to:- Explain the kinds of problems suitable for Unsupervised Learning approaches.

- Explain the curse of dimensionality, and how it makes clustering difficult with many features.
- Describe and use common clustering and dimensionality-reduction algorithms.
- Try clustering points where appropriate, compare the performance of per-cluster models.
- Understand metrics relevant for characterizing clusters.

## Audience

This course targets aspiring data scientists interested in acquiring hands-on experience with Unsupervised Machine Learning techniques in a business setting.

## Prerequisites

To make the most out of this course, you should have familiarity with programming on a Python development environment, as well as fundamental understanding of Data Cleaning, Exploratory Data Analysis, Calculus, Linear Algebra, Probability, and Statistics.

## Programme

1. Introduction to Unsupervised Learning and K Means2. Selecting a clustering algorithm3. Dimensionality Reduction

## Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
17 Apr 2023			English	Self Paced Training		\$791.00

## Additional Information

This training is also available as onsite training. [Please contact us to find out more.](#)