

**RapidMiner**

**Course Number:** RPD-100
**Duration:** 2 days

**Overview**

[RapidMiner](https://rapidminer.com/) is an efficient open-source data science software for analyzing vast quantities of data quickly, helping users to optimize decision-making and reach their goals. It includes an integrated environment for preparing data, working with machine learning visual workflows, and creating data models.

This RapidMiner training teaches attendees how to use RapidMiner Studio for data preparation, machine learning, and predictive model deployment.

**Prerequisites**

All RapidMiner training students must have an understanding of data science concepts.

**Materials**

All students receive comprehensive courseware.

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**Software Needed on Each Student PC**

* The latest version of RapidMiner
* Internet connection and a modern browser

**Objectives**

* Install and configure RapidMiner
* Prepare and visualize data with RapidMiner
* Validate machine learning models
* Mashup data and create predictive models
* Operationalize predictive analytics within a business process
* Troubleshoot and optimize RapidMiner

**Outline**

* Introduction
* Installing and Configuring RapidMiner
* Overview of RapidMiner Studio Interface and Mechanics
* Recap of the Analytical Cycle
* Overview of Repository
* Importing Data
* Preparing Data
* Modeling
* Validation
* Using Macros
* Using Global Search
* Building More Sophisticated Predictive Models
* Evaluating Model Quality
* Troubleshooting and Optimization
* Summary and Conclusion