

# Machine Learning in R

### **Group Training**

Training code CGAMLINRCD

Spoken Language Dutch

Language Materials English

Dayparts 6

Price €2.400,00

excl. VAT No extra costs.

#### What is Machine Learning in R

Machine Learning in R goes through the basics of coding, cleaning data, analyzing data, visualizing data, and modeling data. In a bird's eye view of 3 days you will be taken through the different steps of a data pipeline. In the workshop you will receive theoretical information, but the emphasis will be placed on practice. You practice in R with datasets with various themes.

Machine Learning in R teaches you how to deal with raw data, analyze it and make the most of it by going through a pipeline. Furthermore, this training also focuses on how to communicate findings to the business. You will be introduced to topics such as:

- Data types
- Data visualization
- Tidyverse
- Cross-validation
- · Balancing data
- Data wrangling
- Supervised machine learning (logistic regression, random forest)
- Unsupervised machine learning (k-means clustering)
- Confusion matrix
- Creating an analysis report in R with Rmarkdown

## Who should attend Machine Learning in R

The Machine Learning in R training is suitable for:

- People with an interest in applying R for Data Analysis
- People who work in Data Analysis and want to take a first step towards Data Science
- People who want to start programming in R
- People who want to know how to build pipeline to turn raw data into findings



#### Prerequisites

Beginning skills and general knowledge of data analysis. The 'Introduction to Data Analysis' course addresses these topics and is ideally suited to follow as a training course prior to this. During this training you need a laptop on which you can install software: R.

#### Objectives

After this training, the participant is able to answer the questions:

- Which steps can I go through to answer a practical question with data analysis and data science?
- How do I clean my data with R and what things should I pay attention to when I clean my data?
- How do I use the R programming language?
- Which packages can I use to analyze my data?

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