

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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IN/3A-018.18