

## COURSE SYLLABUS

### Data Science Methods M

2526-2-F8204B044

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#### Learning objectives

Data Science methods M is composed by two modules

##### Machine Learning M

The course aims at learning the most effective Machine Learning (ML) techniques, understanding the theoretical foundations of each technique and acquiring the know-how to successfully apply them to solving practical problems.

For more details, please see: <https://elearning.unimib.it/course/view.php?id=61220>

##### Statistical Learning M

The course aims to acquire the main techniques of Statistical Learning (SL) and their implementation in the R programming environment. During the course, emphasis will be placed on the algorithmic modelling culture, while also paying attention to the estimation of uncertainty in predictions.

For more details, please see : <https://elearning.unimib.it/course/view.php?id=61214>

Both courses contribute to the achievement of the learning objectives in the subject area of the MSc: "Statistics".

#### Contents

##### Machine Learning M

<https://elearning.unimib.it/course/view.php?id=61220>

##### Statistical Learning M

<https://elearning.unimib.it/course/view.php?id=61214>

## **Detailed program**

Machine Learning M

<https://elearning.unimib.it/course/view.php?id=61220>

Statistical Learning M

<https://elearning.unimib.it/course/view.php?id=61214>

## **Prerequisites**

Machine Learning M

<https://elearning.unimib.it/course/view.php?id=61220>

Statistical Learning M

<https://elearning.unimib.it/course/view.php?id=61214>

## **Teaching methods**

Machine Learning M

<https://elearning.unimib.it/course/view.php?id=61220>

Statistical Learning M

<https://elearning.unimib.it/course/view.php?id=61214>

## **Assessment methods**

Machine Learning M

<https://elearning.unimib.it/course/view.php?id=61220>

Statistical Learning M

<https://elearning.unimib.it/course/view.php?id=61214>

## **Textbooks and Reading Materials**

Machine Learning M

<https://elearning.unimib.it/course/view.php?id=61220>

Statistical Learning M

<https://elearning.unimib.it/course/view.php?id=61214>

## **Semester**

Machine Learning M

<https://elearning.unimib.it/course/view.php?id=61220>

Statistical Learning M

<https://elearning.unimib.it/course/view.php?id=61214>

## **Teaching language**

Machine Learning M

<https://elearning.unimib.it/course/view.php?id=61220>

Statistical Learning M

<https://elearning.unimib.it/course/view.php?id=61214>

## **Sustainable Development Goals**

QUALITY EDUCATION

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