

A seminar/workshop on:

Data analysis & Classification

Prof. Davide Ballabio, PhD

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Seminar info and program

April 16th, 2025 | 09:30–17:00, Aula "Perucca"

Classification methods in chemometrics: the Swiss Army knife for data mining in a free user-friendly toolbox

Language:	English
Topics:	Multivariate data analysis, Chemometrics, Classification, Discriminant analysis, Class modelling
Hands-on exercises:	analysis of different real-case datasets in MATLAB using a free toolbox*

*a link to download the materials will be shared during the workshop



Brief CV: [Davide Ballabio](#) graduated in Environmental Sciences in 2002 and since then he has been working in **chemometrics, analytical chemistry** and **Quantitative Structure Activity Relationship (QSAR)**.

He is Full Professor in Analytical Chemistry at the Department of Earth and Environmental Sciences of the University of Milano-Bicocca, in the [Milano Chemometrics and QSAR Research Group](#).

Ballabio has been involved in researching and teaching chemometrics and multivariate data analysis, with particular focus on **supervised classification**, applied to both analytical and QSAR data.

His research work also includes coding MATLAB toolboxes for the calculation of multivariate models: his group's toolboxes are shared publicly ([the repository](#)).

He has co-authored 130+ peer-reviewed scientific publications and presented the results of his research activities in several national and international conferences. He has been included in the Top 2% Scientists list according to DOI:10.17632/btchxktzyw.5

He is currently the Coordinator of the "Gruppo divisionale di Chemiometria della Divisione di Chimica Analitica" of the Italian Chemical Society.

His full CV can be found [here](#).

