ondalys

Training session

Machine Learning - SVM

Discover the Support Vector Machines (SVM)

Objectives

This training session on SVM method is intended for people wishing to:

- Learn the basics of Support Vector Machines method
- Be quickly autonomous in data processing
- Be autonomous to use the data analysis software studied

During the training, the method principles are introduced by a geometric approach. Emphasis is placed on the practical use of the method and the interpretation of the results.
Application exercises are proposed for each method. The training can be held on various Chemometrics software: Solo® or PLS_Toolbox® (Eigenvector Research Inc).

PLS_Toolbox Solo

Information

Basics of data analysis (PCA, PLS) and univariate statistics are required

1 day

R&D, quality control, product development, process optimization, ...

In-house sessions

Instrumental data, physico-chemical data, process parameters, ...

Researchers, scientists and engineers

Agriculture / food, Petrochemical, Pharmaceutical, Biotechnology, Chemistry, Environment, ...

Program

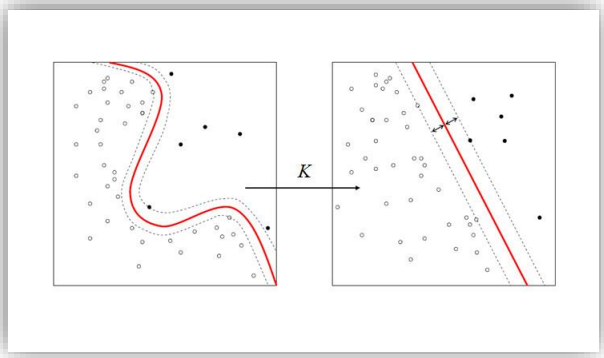
General introduction to non-linear issues

- Definition
- Dealing with non-linearities
- Method review

Support Vector Machines (SVM)

- Discrimination
- Regression
  - ✓ *Application on data set and software*

- Questions and answers on uncontrolled points
- Prior learning assessment
- Satisfaction quiz



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If one of your employees is disabled and needs a specific welcome, please let us know so that we can adapt the training accordingly.