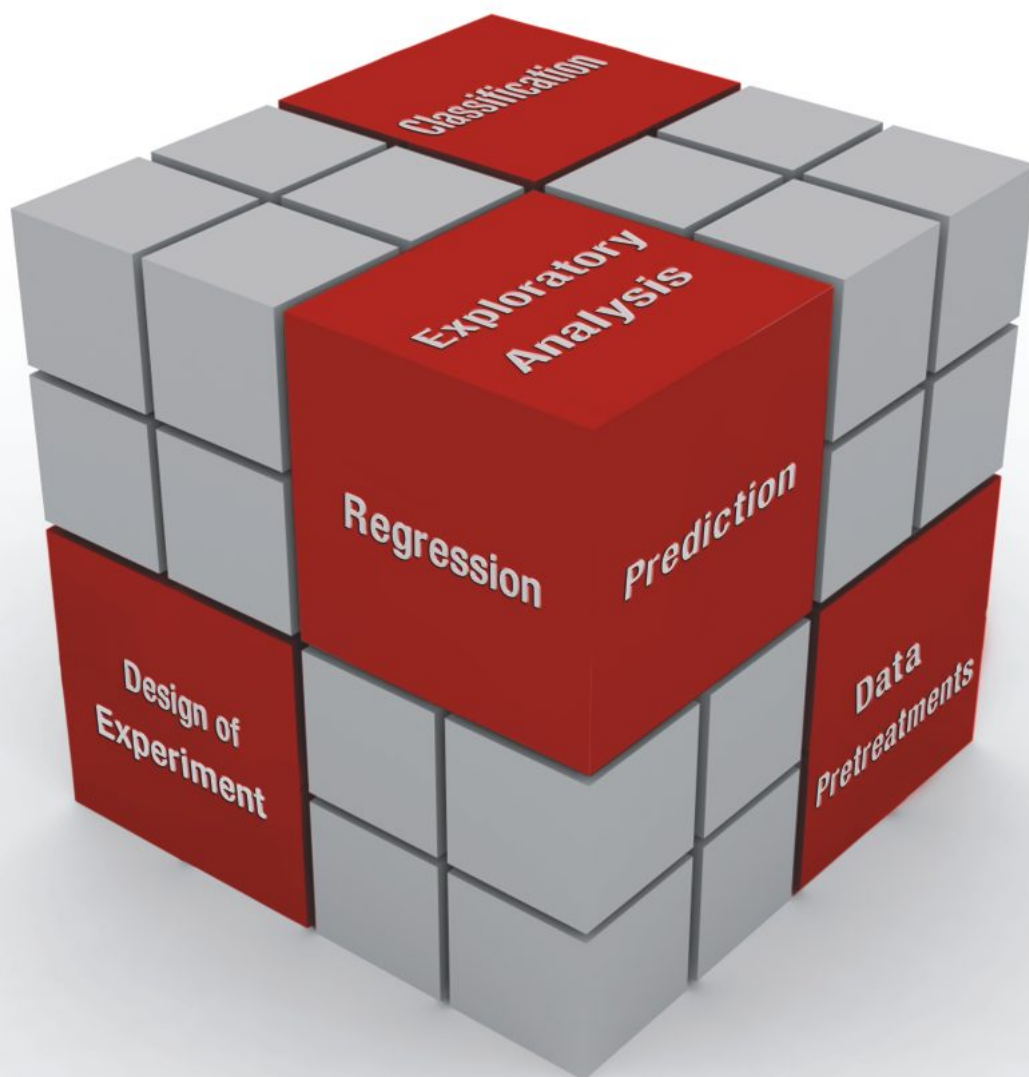


Multivariate Data Analysis **Simplified**



Get value out of your data

Process Analytics • Quality Control • Product Development



The Unscrambler®

Comprehensive Multivariate Data Analysis



The Unscrambler®

> Enhance product development

Generates models for better product and process understanding.

Generates models for on-line prediction and classification.

> Quality control

Define what is critical to quality & measure it.

Early detection of process deviations, through implementation of Multivariate Statistical Process Control (MSPC).

> Minimize cost

Eliminate unnecessary measurements & maximize ROI.

> Interact with various Software / Instruments

Collect data directly from various software / instrument(s).

The Unscrambler® is used by over 3000 Companies, 300 Universities and 25000 users in 47 countries.



One important factor to release the benefits of chemometrics is, to have a close collaboration with a producer of software having competent personnel to continuously develop their product according to new methodology also based on the customers need.

GE Healthcare

Manufacturers in all industrial sectors continuously face major challenges regarding the improvement of product quality and in the early detection of process deviations. Multivariate Data Analysis (MVA) is well suited for designing quality into processes and provides the essential tools for monitoring Critical to Quality (CTQ) attributes, ensuring acceptable end product quality.

The Unscrambler® is a complete Multivariate Analysis and Experimental Design software solution, equipped with powerful methods including PCA, Multivariate Curve Resolution (MCR), PLS Regression, 3-Way PLS Regression, Clustering (K-Means), SIMCA and PLS-DA Classification etc.



Industry applications

Pharmaceutical and Biotechnology

- Improved understanding of drug manufacturing processes. Provides data analysis tools for implementing Process Analytical Technologies (PAT) & Quality by Design (QbD) initiatives
- Creation of classification and prediction models that can be used with third party software and instrumentation. Applications include, raw material identification and quantification of active drug ingredients
- Analysis of data, isolating those process variables that impact on drug product quality



Chemical Manufacturing

- Allows the implementation of MSPC in conjunction with the Unscrambler Online

Energy

- Facilitates fuel classification according to type and correlates physical parameters such as Density, Flash Point, Naphthalene's, Aromatics etc
- Enables determining of the proportion of Carbon Monoxide, Nitric Oxide and water vapor concentrations for different engine conditions and at different temperatures

Food and Beverage

- Efficiently formulate new products & determine their consumer preference attributes

Partial list of our key customers

Pharmaceuticals

Aventis
Bayer
GE Health Care
Mundipharma
Novo Nordisk
Roche

Chemicals

BASF
Croda
Solvay
Takasago
Yara

Food & Beverages

Kraft
Nestle
Dr. Oetker
Tropicana
Unilever

Energy

Castrol
Hydro
Shell
Statoil
Total

Others

3M
GE
Goodyear
Nokia
Panasonic

The Unscrambler®

System Requirements

Processor: Pentium 100MHz or higher

OS: Windows 98, Me, XP, Vista or Windows NT, 2000, 2003

RAM: 64 MB minimum; higher is recommended

Hard disk space: 150MB

Free Trial

Download a fully functional 30-day trial version of The Unscrambler®. To get you started using the trial product visit

unscrambler.camo.com



www.camo.com

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