UMETRICS IS THE WORLD LEADER IN MULTIVARIATE TECHNOLOGY.

We provide software for Design of Experiments and Multivariate Data Analysis, tools that transform your data into information, guiding you to confident decisions and helping you understand complex products and processes. We offer complete solutions for off-line as well as on-line data analysis for continuous and batch processes — all supported by training and consulting services to ensure that you get the most out of your data.

Guiding The Way

Products and Services

**ENTERPRISE SOLUTIONS**
- Enterprise Platform – A tailored solution to meet your company’s needs, including software, implementation, training and support
- PAT Suite – A tailored solution aimed at pharmaceutical production, including software, implementation, training and support

**SOFTWARE PRODUCTS**
- MODDE – The standard for design of experiments and optimization
- SIMCA – The standard in multivariate data analysis with built-in batch analysis
- SIMCA-online – The new standard in inprocess monitoring and prediction, combined batch and continuous processes
- SIMCA-Batch On-Line – The software for on-line batch monitoring and prediction (BSPC)
- SIMCA-4000 – On-line multivariate statistical process control (MSPC) for continuous processes

**INTEGRATED SOLUTIONS**
- SIMCA-Q – Family of real-time prediction engines (DLLs) for system integration
- MODDE-Q – Design of Experiments to be integrated into any application

**TRAINING — UMETRICS ACADEMY**
Umetrics Academy offers training courses on the following subjects:
- Design of experiments
- Multivariate data analysis
- QbD
- PAT
- Tailored in-house courses

**CONSULTING**
Umetrics provides complete consulting services including workshops, seminars, training, technical support and project management.

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M S O Q

Gain value from data-driven decisions

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CREDENTIALS

Umetrics, SIMCA, SIMCA-online, OPLS, and O2PLS are registered trademarks of Umetrics.

SIMCA is compliant with 21 CFR Part 11 (Electronic Records). Major pharmaceutical companies have audited Umetrics quality systems for software development and validation. The audit trail is administrator-controlled and check-sum protected.

www.umetrics.com

The standard in Multivariate Data Analysis
EXPLORE YOUR DATA
Use SIMCA 13 for intelligent data mining. Visualize trends and clusters using the superior graphical tools. SIMCA is used effectively to explore process data, spectroscopic measurements, experimental results, sensory evaluations, consumer data and various kinds of analytical data. It is powerful and user-friendly:
• Easy and flexible import of data
• User-friendly and intuitive interface
• Powerful multivariate modelling and validation tools
• Amazing visualization tools that convert your data tables to informative plots

ANALYZE YOUR PROCESS
Use SIMCA to analyze process variations, identify critical parameters and predict final product quality. Process status and overview is readily available in just a few clicks.
For batch processes, SIMCA provides unique batch modelling capability, dealing with phases, maturity and modelling of the batch evolution as well as the quality of the final batch. Models created in SIMCA can be transferred to SIMCA-online for real-time execution.
With SIMCA 13 you have a complete modelling tool for implementation of Process Analytical Technology (PAT) — from spectroscopic calibrations to entire process modelling.

INTERPRET YOUR RESULTS
Use SIMCA to validate and interpret the results from multivariate models.
SIMCA 13 offers a comprehensive data analytical toolbox with PCA, PLS, OPLS™, O2PLS™ models and clustering tools in the form of PLS-tree™ and Hierarchical Cluster Analysis. Well established schemes for cross-validation and response permutation tests secure validity of the final results in SIMCA.
Apply OPLS-DA in SIMCA for optimal interpretation of your Omics data.
OPLS™ and O2PLS™ are unique techniques for separating the systematic variation for superior interpretation of complex multivariate data.

Why SIMCA?
• THE BASIS FOR DECISION MAKING — For many years SIMCA has been the standard tool for scientists, engineers, researchers, product developers and others coping with large amounts of data. SIMCA enables you to effectively explore your data, analyze your process and interpret the results. Use SIMCA to transform data into information, allowing you to make decisions - quickly and with confidence.

• TECHNOLOGY — SIMCA and SIMCA-online are front runners in the latest multivariate technology—continuously developed and updated

• QUALITY — To comply with the highest industry standards, SIMCA is extensively tested and validated with reports available to all customers

• USER-FRIENDLY — SIMCA 13 has a completely updated interface with amazing usability, interactivity and visualization

• ONLINE PERSPECTIVES — Umetrics portfolio of online and embedded solutions makes it easy to apply and use multivariate models built in SIMCA for real-time monitoring, classification and predictions

• PAT and QbD — Multivariate Data Analysis in SIMCA is the cornerstone in implementation of Process Analytical Technology (PAT) and Quality by Design (QbD). Umetrics provides the standard for PAT and QbD solutions used in pharmaceutical and biopharmaceutical development and production.