

BIOVIA DATA ANALYTICS CONSULTING SERVICES

LEVERAGE DATA ANALYSIS FOR BETTER PROCESS UNDERSTANDING DATASHEET

The BIOVIA Data Analytics Consulting group works with life sciences companies and contract manufacturers to develop quality monitoring and investigational data analysis solutions using the powerful data access, aggregation, contextualization, analysis and reporting features of BIOVIA Discoverant Process Production Operations software.

BIOVIA Discoverant provides many standard and unique analytics capabilities designed to help organizations identify and better understand sources of variability in pharmaceutical, biotechnology and medical device process development and manufacturing. As an experienced team of Ph.D. and Master's level data scientists, BIOVIA Data Analytics Consulting services can help you make meaningful, science-based decisions about manufacturing processes, thereby maximizing the benefit of your investment in BIOVIA Discoverant. We are focused on transferring our knowledge of BIOVIA Discoverant and statistical applications to your personnel, empowering you to maintain and expand your manufacturing processes in a culture of data-driven decision-making.

Typical benefits of working with the Data Analytics Consulting team include:

- Faster development and automation of BIOVIA InVision outputs, i.e., quicker time to value
- Greater user adoption of BIOVIA Discoverant
- Broader implementation of industry best practices
- Increased access to supplemental statistical assistance and advisement

ANALYTICS CONSULTING SERVICES/OFFERINGS

As well as providing statistical expertise, guidance and training, BIOVIA Data Analytics Consulting services can assist in the following areas:

BIOVIA InVision Usability Assessment

A BIOVIA Data Analytics consultant will review your current InVision outputs and automated workflows, discuss your company's goals and conduct a gap analysis to identify potential output configurations that will add business value by leveraging your BIOVIA Discoverant investment.

Automation of Process and Product Monitoring

Driven by numerous federal initiatives, life sciences are focusing on statistically sound, automated process and product monitoring systems that increase productivity, add value and enable Continued Process Verification.

To assist in achieving your quality monitoring goals, a BIOVIA Data Analytics consultant will use BIOVIA Discoverant functionality to determine the appropriate data aggregation and organizational structure for a large volume monitoring-by-exception system. As deliverables, the BIOVIA consultant will conduct an initial baseline analysis, configure associated BIOVIA Discoverant outputs, create a baseline report and provide a BIOVIA Discoverant quality monitoring usability document outlining our recommendations for moving ahead with process and product monitoring automation.

Automation of Deviation Analyses

BIOVIA Discoverant tools can significantly simplify time-consuming and heavily resourced OOS (out-of-specification) and OOT (out-of-trend) investigations by automating high-level, common investigational procedures across process parameters and quality attributes. A BIOVIA Data Analytics consultant can help to define and automate investigational procedures, configure web-based outputs, create investigational reports and develop standard presentation templates to reduce required resources.

Coordination of Site/Product Monitoring

In today's global manufacturing environment, management teams need the ability to look across manufacturing sites and/or products to improve process understanding. Using BIOVIA Discoverant functionality, a BIOVIA Data Analytics consultant can automate statistically sound monitoring systems that make appropriate comparisons and display parameters in the desired manner (e.g., reports, presentations, dashboards, etc.). In addition, the consultant will provide a comparison report and usability document as deliverables.

Automation of Chromatography Analysis

Automating the analysis and monitoring of chromatography transition analysis calculations can significantly improve operational efficiency. Using BIOVIA Discoverant functionality, a BIOVIA Data Analytics consultant can automate the analysis and monitoring of on-line chromatography data to minimize the risk of impurities entering the product stream and maximize the useful lifetime of costly chromatography resins.

Automation of Stability Study Monitoring and Results Analysis

Another key advantage of BIOVIA Discoverant functionality is the ability to automate, analyze, and monitor stability study results under varying study conditions using data visualizations, trending and expiration dating techniques. A BIOVIA Data Analytics consultant will configure outputs to automate stability study analysis and apply monitoring techniques to reduce manual operations and improve compliance.

Leveraging Data Visualization and Analysis across Diverse Teams

Having already established data collection, visualization and analysis protocols, experienced BIOVIA Discoverant users may wish to improve the communication and sharing of BIOVIA Discoverant outputs. BIOVIA Data Analytics consultants can use the automation, sharing and web-based BIOVIA KnowledgeNet features of BIOVIA Discoverant to assist with the configuration of dashboards, automated reports and e-mail outputs. Sharing this critical manufacturing and process development data with appropriate parties can increase user adoption and accelerate scientific decision-making at your company.

Statistical Support

Many life sciences manufacturing companies are operating with limited in-house statistical expertise and may require additional analytics guidance to meet site and organizational needs. Experienced BIOVIA consultants offer high quality data analysis guidance specific to manufacturing analytics to supplement your statistical expertise and ensure that you are using industry best practices for quality monitoring and analysis. We will work with your team to add value and support a data-driven, decision-making culture.

GET STARTED TODAY

To get started meeting your data analytic needs and optimizing your science-based decisions, please contact your BIOVIA Account Manager. You can also email us at info@accelrys.com.

Our 3DEXPERIENCE Platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 170,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.



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