

POWERHOUSE DATA PREP: ALTAIR® MONARCH® FOR EXCEL® USERS

Microsoft® Excel® and other spreadsheet applications are ubiquitous, flexible, and give users the power to develop complex macro and formula-driven applications. The downside, however, is that spreadsheets are prone to error, difficult to program, produce results that are easy to misinterpret, do not handle data from multiple disparate sources easily, and are extremely difficult to maintain and debug as their size increases. Monarch can vastly reduce mistakes, save time, and support the most complex requirements.

Applications Throughout the Enterprise

Many organizations use spreadsheets to support a huge range of functions in every business discipline, from order processing and shipping to auditing and risk management. However, “quick spreadsheet” projects often evolve into enormous macro-laden applications that only one or two people can fully comprehend. Enterprises must give business users ways to develop equally sophisticated applications and workflows without the need to write convoluted – and easily misunderstood – VLOOKUPS, macros, and VBA code.

Altair offers desktop, server, and cloud-ready tools that are effective replacements for spreadsheets. Altair software requires no coding and uses a drag-and-drop interface that is easy to use and understand.

Automate Data Preparation and Robotic Process Automation (RPA) Workflows

Altair enables people who understand their data, the questions to be answered, and business operations to build repeatable data prep and RPA processes without writing any code. This greatly decreases the time required to implement a new procedure, reduces the possibility of errors, and allows users to concentrate on the tasks that add most value to the organization.

Altair’s automation functions save thousands of person-hours within large enterprises and helps ensure that decisions are based on timely, complete, and accurate data.

Flexible Data Infrastructure

Spreadsheets often contain macros as well as data that essentially turn them into applications. While you can connect Excel® or other spreadsheet programs to external data sources, the process is tricky and difficult to accomplish due to limitations within spreadsheet connectors. In many cases, business processes involving spreadsheets encompass a series of export/import processes — yet another source of potential errors.

REDUCE ERRORS

REDUCE MANUAL,
REPETITIVE TASKS

CODE-FREE
APPLICATION
DEVELOPMENT



Try Monarch Today:
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For more than 30 years Altair's data preparation and artificial intelligence (AI) tools have helped organizations connect to practically any data source — including PDFs, text files, complicated spreadsheets, tabular databases, line-of-business applications, and big data sources with millions of rows and thousands of columns. People of all skill levels use Altair solutions to access and transform all of their data into accurate and clean datasets in seconds, rather than hours or even days.

Altair Data Analytics and AI Software

Altair provides a comprehensive range of code-free data analytics tools designed for business users in small-to-medium businesses as well as global enterprises.

Data Preparation: Access, cleanse, blend, format, and export data from a wide variety of input sources with no coding. Import semi-structured and tabular data from Excel, PDF, JSON, XML, HTML, SQL, NoSQL/big data sources and business applications like Salesforce, Netsuite, Google Analytics. Export to most common file formats and directly to Power BI and IBM Cognos Analytics. Available for desktop, server, or cloud deployment.

AI and Machine Learning: Our industry-leading visual approach to analytic modeling enables business users to minimize repetitive tasks related to creating curated and governed data sets, share knowledge across the enterprise, and reuse steps within connected model workflows for faster analysis and sharing of insight.

Stream Processing: Connect directly to sensor data being streamed over MQTT, Kafka, Solace, and others message queues and build complex stream processing applications with a seamless drag-and-drop interface.

Data Visualization: Connect to live and historical data sources, build, and publish sophisticated real-time dashboards without writing any code. Understand complex relationships in seconds and identify anomalies, clusters, and trends requiring further investigation with just a few clicks.



Spreadsheets will continue to be integral to the operations for most organizations. Better tools, however, complement their utility and provide analysts, line workers, and managers with the ability to create highly efficient data workflows without needing to know the first thing about macros and VLOOKUPS.

Sam Mahalingam, CTO, Altair

People often use spreadsheets for “quick projects” that rapidly evolve into gigantic macro-laden applications that only one or two people may fully understand.

Learn more about Altair Data Analytics at altair.com/data-analytics