

# Eureqa® builds predictive models, so you don't have to.

Eureqa is a “virtual data scientist”, enabling anyone to identify patterns in data, build predictive models, and consume them in plain English. Armed with automated, transparent answers about what’s causing business outcomes, Eureqa users can make mission-critical changes to strategies and processes; collaborate with others by sharing interactive analyses; and leverage the results in tools like Excel, Python and Matlab. While others are attempting to predict the future, you’ll be busy changing it.

## Data Science for the Masses

- Identify data-driven relationships between process conditions and properties/performance to intelligently explore new process conditions
- Estimate the probability of success for each process/component
- Identify unplanned attributes that are impacting your process
- Find patterns in sensor data to identify high-value properties

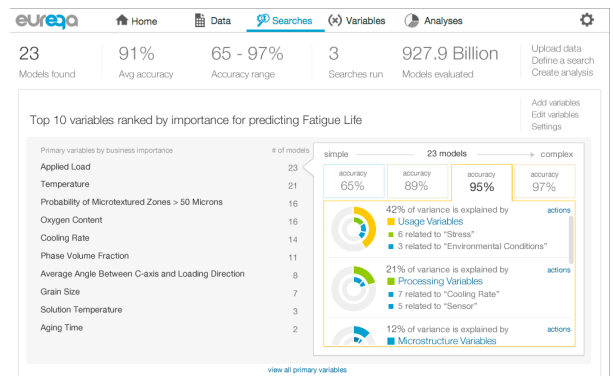
Despite getting swamped with increasing amounts of data, engineers are expected to make more intelligent decisions – with more on the line – than ever before. How can engineers possibly incorporate all of the right data into their models, let alone mine it quickly and accurately for answers? How can they bridge the gaps between the known physics and complex interactions present in real systems? And how can they outperform their competitors by improving efficiencies and scaling processes when predictive modeling and “big data” require massive investment in time, resources, and technical know-how?

Welcome to the complex world of manufacturing. Nutonian’s Eureqa was created to become a manufacturer’s best friend: a data scientist in a box. Eureqa is an automated analytics application that builds accurate and understandable models, much faster and more scalable than existing technologies. Equipping every engineer with advanced data science capabilities, Eureqa can predict what will happen to any “target variable” you want to understand – material properties/performance, pass/fail rate for a manufacturing process, drug scalability, etc. – and explain in plain English why it’s likely to happen. Seamlessly import any data that could theoretically influence the outcome (temperature, pressure, composition, etc.), and Eureqa will automatically compute billions of potential predictive models, only presenting the user with the best ones. Eureqa will tell you which “input variables” matter, how much they relate, and what knobs you should turn to maximize your desired outcome.

## Where Artificial Intelligence Meets Business Intelligence

Eureqa distinguishes itself as the only analytics application that combines three critically important features for engineers:

- **Automation** – Eureqa automates the model-building process. No need to specify model structure or write code. Simply formulate a problem, collect/load data into Eureqa, hit “Go”, and interpret the results.
- **Fast Results** – Uploading a data set and reviewing extremely powerful solutions now takes minutes instead of weeks or months.
- **Easy to Understand** – Eureqa finds the simplest solutions and presents them in plain English...no 1,000 lines of code or black box answers.



Have more advanced users? Those with data science backgrounds can leverage the power of Eureqa directly through a fully-supported and straightforward API. Increase the productivity of your organization’s engineers and scientists by automating custom analyses for their consumption. Share interactive reports with managers and decision-makers, which they can view directly in Eureqa with a “viewer” permission level. You can even integrate directly with Excel, Python and Matlab. Join Nutonian in the data science revolution...request a demonstration at [nutonian.com/demo](http://nutonian.com/demo).