Product Brief

Rulex $(SC)^2$: AI for the Self-Correcting Supply Chain

A supply chain is only as good as its data, and erroneous data can negatively impact manufacturers' margins, revenue, and relationships in a major way.

Incorrect descriptions, identifiers, values, and relationships in production data for materials, processes, products, and distribution create supply chain chaos in the form of over/undersupply, flawed order delivery, poor inventory leverage, and many other costs and risks.

Catching and correcting supply chain data errors before they create business problems brings enormous business value, but it is a hard problem to solve with conventional analytics technology.

Using traditional machine learning software, you must:

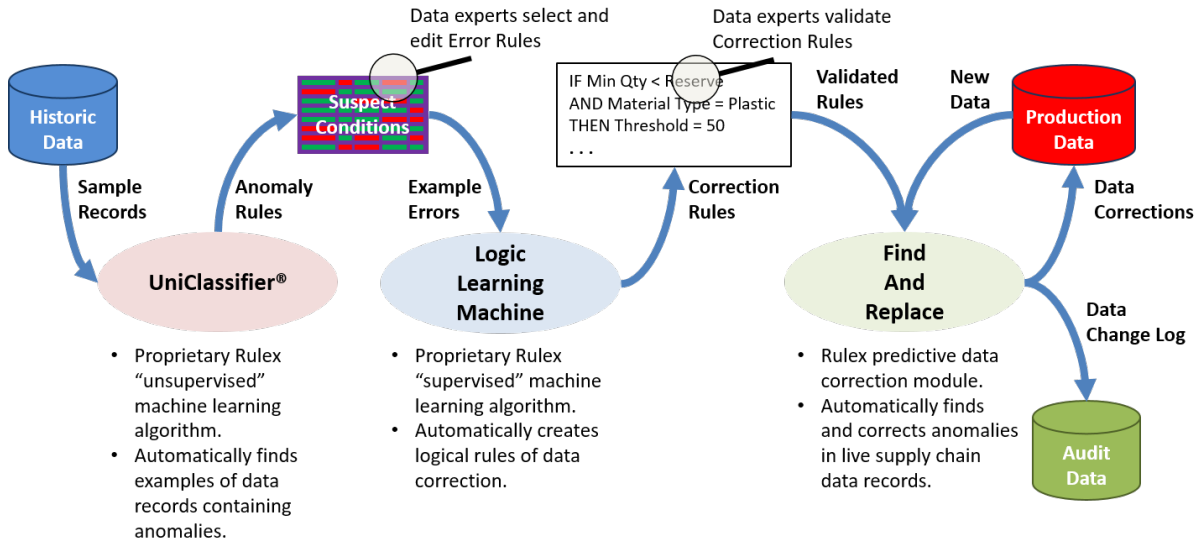
- Know what is wrong with the data
- Identify a large number of error examples
- Use data science to find new errors.
- Review and correct each erroneous record

What if you could automatically find and fix errors in live supply chain data?

With Rulex $(SC)^2$ you can.

Rulex $(SC)^2$ uses artificial intelligence to identify, explain, and correct data errors in the manufacturing supply chain, from materials input to product distribution. Guided by production planners and other business experts, Rulex $(SC)^2$ automatically finds past data errors, teaches itself how to identify and correct such errors, and then uses that knowledge to correct new errors in live supply chain data, in real time, before they can negatively impact production or fulfillment.

How it works:



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Rulex $(SC)^2$ is a logic-based system that extracts and employs if-then rules to find and correct errors in live supply chain data. The system leverages the knowledge of planners for increased accuracy in error prediction and correction, and all changes and the reasons for them are recorded in a system audit log.

Following years of research and development and proving the solution in the field, Rulex and its partners are now making $(SC)^2$ available to large supply chain enterprises through the $(SC)^2$ Beta Program.

The program enables early adopters to rapidly prove the business value of $(SC)^2$ with their own data, and with existing skills. The first program participant, one of the world's largest manufacturers, has already recognized potential planning productivity improvements of 40% or more, and anticipates similar benefits throughout their supply chain.

The program is open to global manufacturers, distributors, shippers, and other supply chain enterprises. $(SC)^2$ requires no new skills in programming, math, or statistics. After minimal training, planners and other supply chain experts are up and running, automatically finding and fixing data errors and eliminating hours of drudgery and low value work doing it manually.

To find out more about the $(SC)^2$ Beta Program, please visit https://www.rulex-inc.com/site/rulex-sc2/ to provide your contact information. A program consultant will contact you to explain the program, assess your needs, and get you started with Rulex $(SC)^2$.

About Rulex

Rulex Inc. offers the first-ever cognitive machine learning platform for the enterprise and the Internet of Things. The Rulex® platform eliminates the programming and math skills, speculative data exploration, and iterative experimental modeling required by conventional machine learning algorithms, dramatically accelerating, simplifying, and lowering the cost of Data Science.

Rulex's unique Logic Learning Machine and UniClassifier® algorithms based on groundbreaking academic and government research, and has been proven in business and IoT applications in Retail, Telecom, Healthcare, and Financial Services, and other industries. Rulex's software is different from other machine learning algorithms. It automatically discovers the most important source data and automatically creates the most efficient predictive models, in the form of fully transparent if-then logic rules, rather than "black box" mathematical functions. These rules can therefore be easily understood and audited by business and data analysts, and efficiently implemented on low-power processors near the network edge by IoT solution developers.