



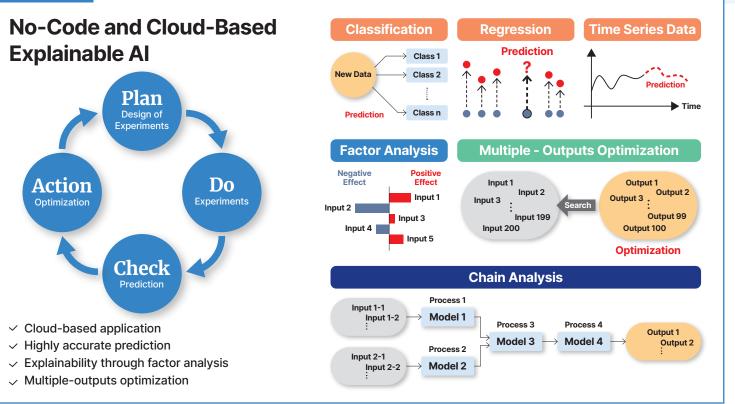


**By AIZOTH** 

### **Optimize R&D with AI-powered analysis**

Multi-Sigma democratizes sophisticated AI analysis techniques while cutting time and costs associated with R&D experimentation

### Multi-Sigma



## Applicable to a variety of fields:

Ï	Chemical Engineering
<u>د</u> ک	Mechanical Engineering
-	Healthcare & Medical Sciences
	Agriculture
	Sales and Marketing

## Trusted by 100 + leading organizations:







#### **Trusted Security with Environmental Responsibility**

- · Hosted securely on Google Cloud
- · Data recovery ensured even in disaster scenarios
- Regular penetration testing by third-party experts
- · CO2-free cloud infrastructure







Ð **MZOTH** 



**AIZOTH Mission** 

Empowering organizations to leverage AI to enhance processes and improve outcomes



#### Get started effortlessly

Upload a CSV file and see optimized analysis in a cloud-based, browser-friendly platform



### Free Trial

Contact us to start your one-month free trial or schedule a free consultation: info@aizoth.com | https://aizoth.com/en/





From Standard to Superior



Drive Innovation in Your Research & Development with AI

Multi-Sigma **Conventional** VS **Solutions** Large-Scale Small Data Required **Moderate** High Accuracy Black-box **Explainable** side effects to 6.2% Model Interpretability **Single Target Multiple Target** Variable Variables Output Multi-Sigma can achieve predictions with **Expert No Expert** even smaller errors **Knowledge Knowledge** than the industry-leading Required Required Expertise products **Code Required** No-Code Programming **No High-End High-End** Hardware Hardware Required Required Machine \*3 : Anomaly detection from waveforms, (cloud-based) Specifications

**Highest Accuracy and Productivity Improvement** 

## **Case 1** Hydration Free Energy

1,825 molecular descriptors; the analysis is challenging







## **Case 2** Alzheimer's Prevention Drug

Minimizing side effects is extremely challenging

Compared to the original data, it successfully increased pharmaceutical activity by more than 10 times while simultaneously reducing the probability of



# Unmatched Performance



\*1 : Error is evaluated using Root Mean Squared Error (RMSE),

- \*2 : Product characteristics.
- \*4 : Formulation of raw materials. (All the data are from Kaggle: https://www.kaggle.com/datasets)

## **Consulting Services**

We, AIZOTH, also have a team of experts, including PhD holders in fields such as engineering, commerce & management, science, and statistics, as well as AI engineers and former researchers from national research institutes.

#### **Training and Lectures:**

We offer expert-led lectures and training on Al analysis and Multi-Sigma. We also provide hands-on data analysis using your own data, tailored to your needs.

#### **R & D support:**

We collaborate with your team through regular meetings to track progress, exchange insights, and align with your goals. Our support covers everything from data analysis to AI application development, tailored to your needs.

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