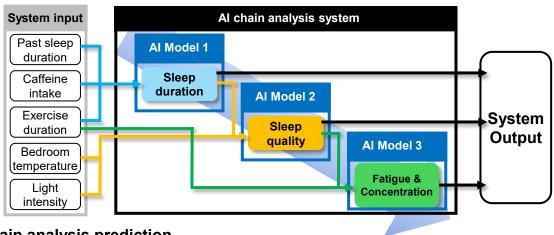


Optimizing Sleep Conditions through Al Chain Analysis using Multi-Sigma®

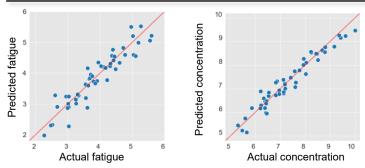
AIZOTH's AI analysis platform Multi-Sigma® combines three AI models to find sleep conditions that minimize fatigue and maximize concentration the next day.

1. Training and chain analysis of multiple AI models using Multi-Sigma®

Using Multi-Sigma's AI chain analysis function, you can build AI models for individual processes and link these AI models to perform prediction, optimization, and factor analysis.



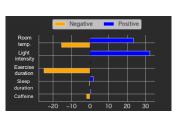
2. Al chain analysis prediction



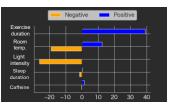
By linking the three AI models with Multi-Sigma's AI chain analysis function, it is possible to predict output data (next day's fatigue and concentration level) from input data (past average sleep duration, amount of coffee consumed, exercise duration, bedroom temperature, and light intensity)

3. Factor analysis and optimization using Al chain analysis

By linking the three Al models, it is possible to calculate the contribution of the initial input data to the final output (fatigue and concentration level).

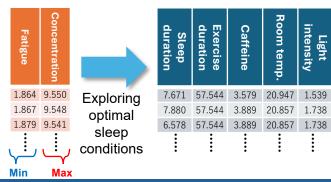


Factors Analysis (fatigue)



Factors Analysis (concentration)

By linking the three Al models, we can identify the optimal conditions to minimize fatigue and maximize concentration.



AIZOTH inc. provides a range of AI services, including Multi-Sigma®, AI consulting, experimental condition optimization support, and contract research and development. Multi-Sigma® is a cloud-based AI software designed for research and development, significantly reducing experimental workload and enabling researchers to discover innovative solutions to real world challenges with minimal experimental datasets.

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