

# ANOMALY DETECTION IN SENSING DATA BASED ON RRCF

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## ABSTRACT

Anomaly detection problem is an important problem for various industries and remains to be research branches. In this talk, we deal with some case of solving industrial problem regarding anomaly detection of a Takyon Tech company. The company is a smart factory-related solution development start-up company and requested an industrial problem to improve the sensor data anomaly detection solution. We introduce the problem requested by NIMS and the method to solve it mathematically. In addition, a mathematical explanation of the Robust random cut forest(RRCF) algorithm and a method to use effectively use RRCF for anomaly detection. Finally, we will present the results of the performance comparison of the improved RRCF algorithm with the existing classic anomaly detection algorithm.

## REFERENCES

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