OAK RIDGE NATIONAL LABORATORY
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A System for Bounding the Alert Rate of Streaming Anomaly Detectors

Disclosure Number

201503516

Technology Summary

This invention relates to streaming anomaly detectors and more specifically to methods for bounding the alert rate of such detectors. This technology is for regulating how many alerts are produced by an anomaly detection system in realtime based on the operators preference, e.g., as determined by their time constraints. Imagine a system that detects anomalies in realtime as data is observed (such as a system monitoring credit card use for potentially fraudulent use) and dynamically changes the model in realtime upon receipt of new data. Further, the rate at which data is received may be changing. It is detector agnostic, which means it will work for systems in which the detection model is changing in realtime to accommodate new data.

Inventor

BRIDGES, ROBERT A
Computational Sciences & Engineering Div

Licensing Contact

SIMS, DAVID L

UT-Battelle, LLC

Oak Ridge National Laboratory

Rm 124C, Bldg 4500N6196

1 Bethel Valley Road

Oak Ridge, TN 37831

Office Phone: (865) 241-3808

E-Mail: SIMSDL@ORNL.GOV

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