

ELEMENDAR.



Laboratory for
Analytic Sciences

Improving CTI Analysts' workflow efficiency and situational awareness

Laboratory for Analytic Sciences

Founded in 2013 as a partnership between the **National Security Agency** and **North Carolina State University**, the Laboratory for Analytic Sciences (LAS) is a collaboration hub for practitioners from three areas: business, academia, and the Intelligence Community.

LAS **supports the Intelligence Community** by transitioning research and discoveries from these collaborations to help analysts solve their most pressing challenges related to national security and technology, leading to better solutions for real-world problems.

Elemendar's **READ.** put to the test

LAS is tasked with testing the latest cyber Machine Learning technology by acting as a reviewer in the early stages of adoption, in order to ensure the validity of these technologies before being adopted by the U.S. government.

In response to LAS's need to understand how Machine Learning can improve a government CTI analysts effectiveness, **READ.** was trialled to evaluate its capability to improve report annotation accuracy and **cyber situational awareness** task outcomes in a wargame scenario.



Passes with flying colors

READ. demonstrated success in both task outcomes across a cohort of **16 Intelligence Community members**:

- increased annotation accuracy from 82.2% to 91.7%
- statistical tests showed a **significant improvement in cyber situational awareness.**

READ. annotating the routine things like threat actors and identifiers was helpful. It freed up time for me to look at more difficult things to identify like attack patterns."

-Member of the
Intelligence Community

Contact Us

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