

# Privacy-preserving Statistical Analysis

## Addressing the privacy-preserving computation of data analytics



### Challenges

The **DSum protocol** is much heavier in communications, so we will need to quantify the conditions under which each protocol is appropriate.



### Next steps

Complete the test code and doing some more detailed performance analysis.



### Objective

Enabling **WALLIX clients** to perform analytics with their clients' data guaranteeing the privacy of it.



### Target

Industry and cybersecurity companies.



### Previous work

- The **preliminary framework** has been completed.
- The **DSum protocol** has been added to extend the range of values which can be handled, and a primitive sampling mechanism has been devised and implemented.
- A simple **demonstration framework** has been devised which allows a live demonstration of the technique.