

The winter of AI?

Disillusionment sets in as AI and machine learning are held accountable for their claims

Prediction: There is no real AI in cybersecurity, nor any likelihood for it to develop in 2019

Organizations turn to machines for assistance

A cyber skills shortage compounded with the exorbitant number of breaches has led to a surge in AI cybersecurity products. Organizations seeking AI are vulnerable for two reasons: misleading vendors and the risk of relying on technologies not yet fully understood by experts in the space.

3.5 million

The estimated number of **vacant** cybersecurity jobs by 2021

14x

The increase in active US startups developing AI systems since 2000

71%

of executives say their organization plans to invest this year in cybersecurity safeguards that use AI and machine learning

27%

of US enterprises in a survey of 1,200 companies reported suffering at least one data breach

The cold hard truth about AI

A machine learning algorithm builds a model that represents the behavior of a real-world system from data that represents samples of its behavior. Without representative data, no algorithm can offer useful and generalizable insights.

38%

of enterprises report difficulty in deploying machine learning models to the needed scale

30%

of enterprises report challenges in supporting different programming languages and training frameworks

3%

of companies' data meets basic quality standards

We are essentially “flying blind” in our conversations and decision-making related to Artificial Intelligence.

Only 1 in 2 (54%)

Employees belonging to companies with extensive experience in machine learning check for **fairness and bias**



Only 1 in 2 (53%)

Employees belonging to companies with extensive experience in machine learning check for **privacy**