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

27%

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

71%

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

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