

Reinventing Cybersecurity with Artificial Intelligence

The new frontier in digital security

Artificial Intelligence-enabled cybersecurity is increasingly necessary

Cyber analysts cannot keep up with increasing cybersecurity threats

56%

of the firms surveyed say their cybersecurity analysts are overwhelmed

23%

indicate they are not able to successfully investigate all identified incidents

42%

report an increase in incidents through time-sensitive applications

Organizations are increasing the pace of adoption of AI in cybersecurity

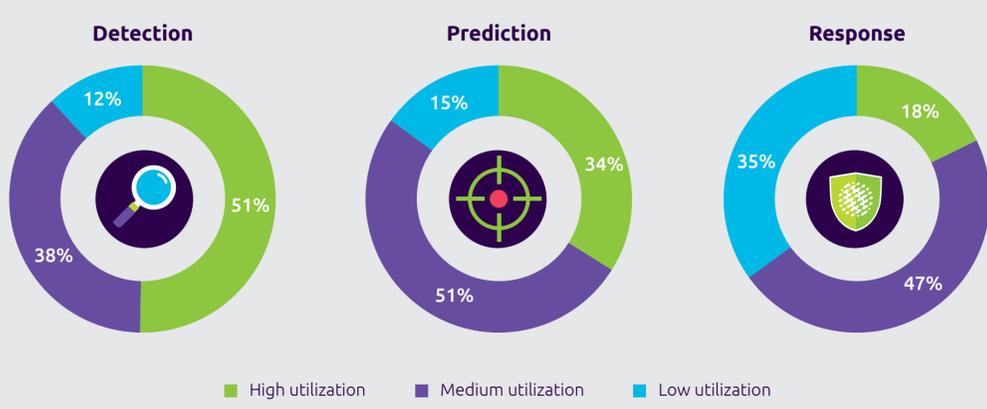
Nearly **1 in 5** organizations used AI in cybersecurity pre-2019



Almost **2 in 3** organizations plan to employ AI by 2020

Adoption of AI for detection, prediction, and response

Please rate your organization's utilization of AI in cybersecurity for the following areas

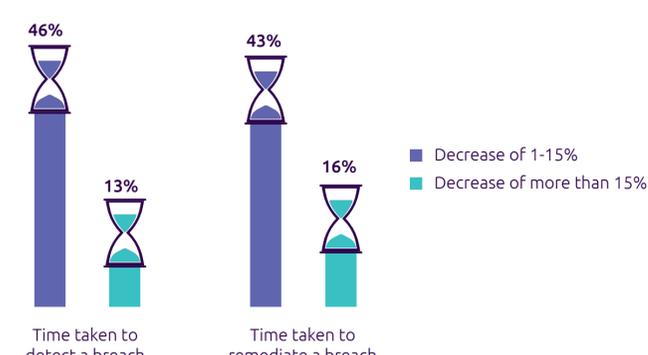


Source: Capgemini Research Institute, AI in Cybersecurity executive survey, N = 850 executives

How organizations are benefitting from AI in cybersecurity

AI in cybersecurity leads to:

Share of organizations that have experienced time savings



Time savings

zPower, a leading rechargeable battery manufacturer, was able to contain a threat by using AI, enabling them to remove the threat and head off any attack in real-time ¹



Cost savings

PetSmart, a US-based specialty retailer, was able to save up to **\$12 million** by using AI in fraud detection ²

Share of organizations that have experienced cost benefits



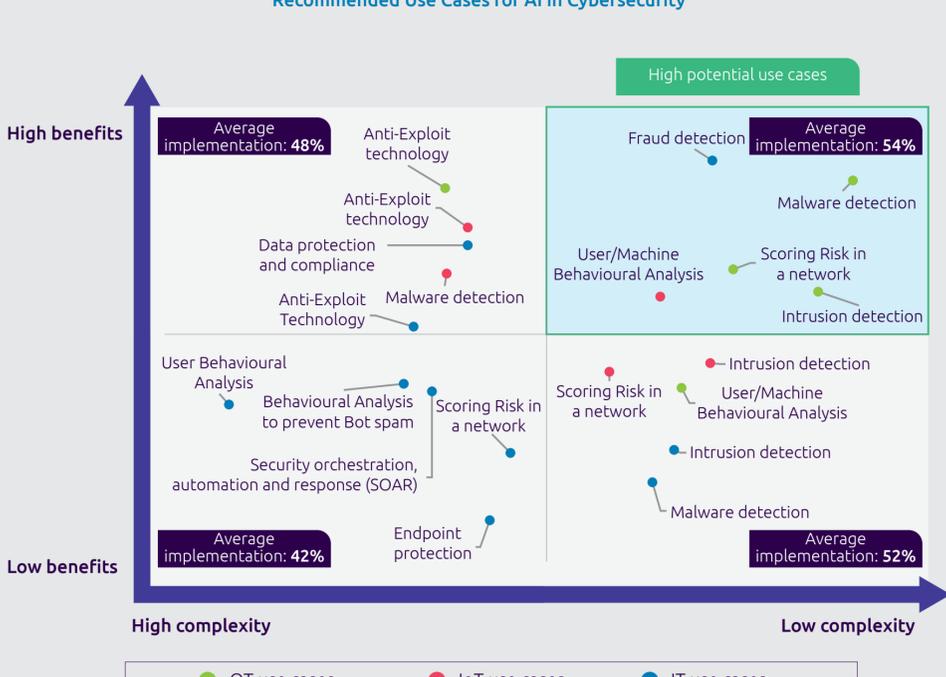
Source: Capgemini Research Institute, AI in Cybersecurity executive survey, N = 850 executives

¹ Darktrace, "Darktrace Stops Emerging Insider Threat at Battery Plant", October 2017

² ZDNet, "How technology is saving PetSmart millions by eliminating sales fraud", July 2018

Where should organizations focus their AI cybersecurity initiatives?

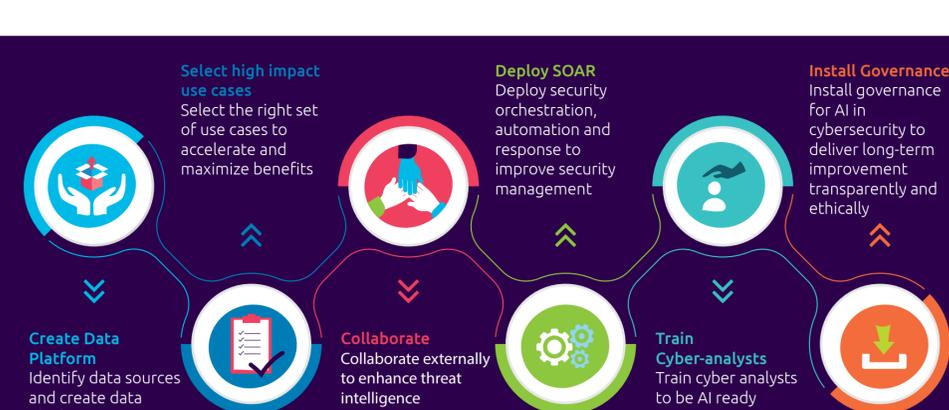
Recommended Use Cases for AI in Cybersecurity



Source: Capgemini Research Institute, AI in Cybersecurity executive survey, N = 850 executives

Average implementation: Share of organizations who have deployed the use cases in quadrant at first level, multiple or full-scale deployment

Building a roadmap for implementing AI in cybersecurity



Source: Capgemini Research Institute analysis

