The Power and Promise of Technological Change and the Challenge of Remaining Human

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Rate of Technological Change

"The changing nature of technology and work...[is] an antecedent to social and organizational developments." Zuppo, 2011

Dehumanization Derealization Depersonalization

Our Responsibility: Society

Dynamics

Job Disruption & Employment Shifts

Inequality & Access

Privacy & Cybersecurity

Healthcare Transformation

Ethical Al & Bias

Global Governance & Regulation

Ethical & Legal Dilemnas

Weaponization of Technology

Environmental Sustainability

Moral & Existential Questions

Future-proofing is an "everyone" problem.

Gaps between the haves and have-nots will WIDEN. Unless...

Invest in education & training
Develop policies & regulations
Support R&D
Promote Global Cooperation

In the Al Revolution, WHY will be the catalyst.

Al will not steal your job. The person who knows how to use Al will.

Al Will Create 97 Million Jobs, But Workers Don't Have The Skills Required (Yet)

It's time to upskill workers; a World Economic Forum report states that 97 million new jobs will be created by 2025 due to AI.

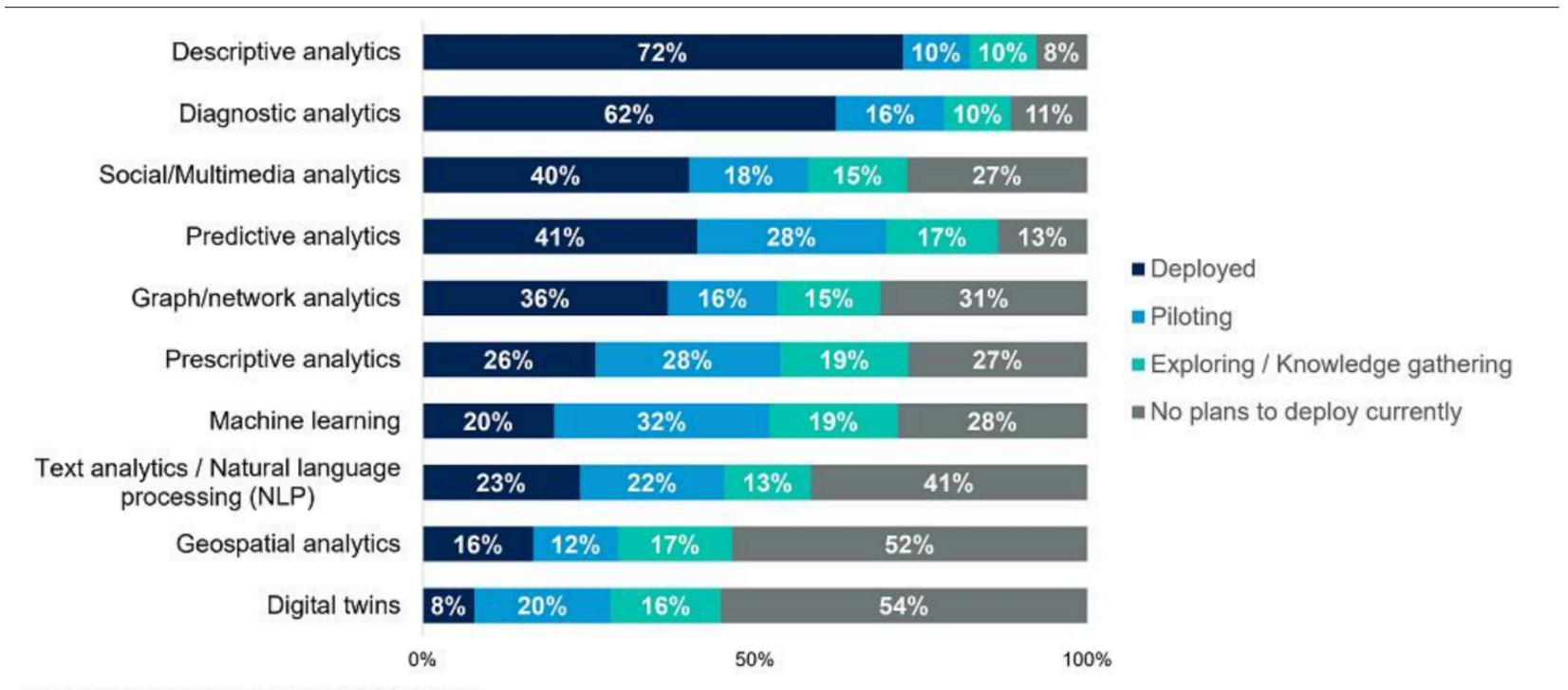
by Emma Ascott - November 19, 2021 in Tech Reading Time: 6 mins read

AA



Photo by ThisisEngineering RAEng on Unsplash

Skills & Strategy



n = 209, excludes "discontinued or planning to discontinue use"

Note: Numbers may not add to 100% due to omission of a "discontinued or planning to discontinue use" option.

Gartner.

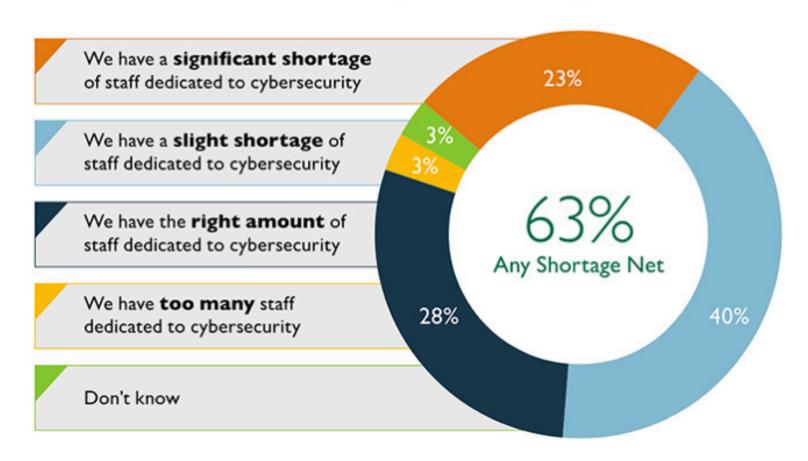
Q: Please review the below list of analytics techniques and indicate if your Corporate Strategy Function is currently using or planning to use them? Please select one answer. Source: Gartner 2023 Strategy Leader Technology Survey

Reality: Everything is Strategic

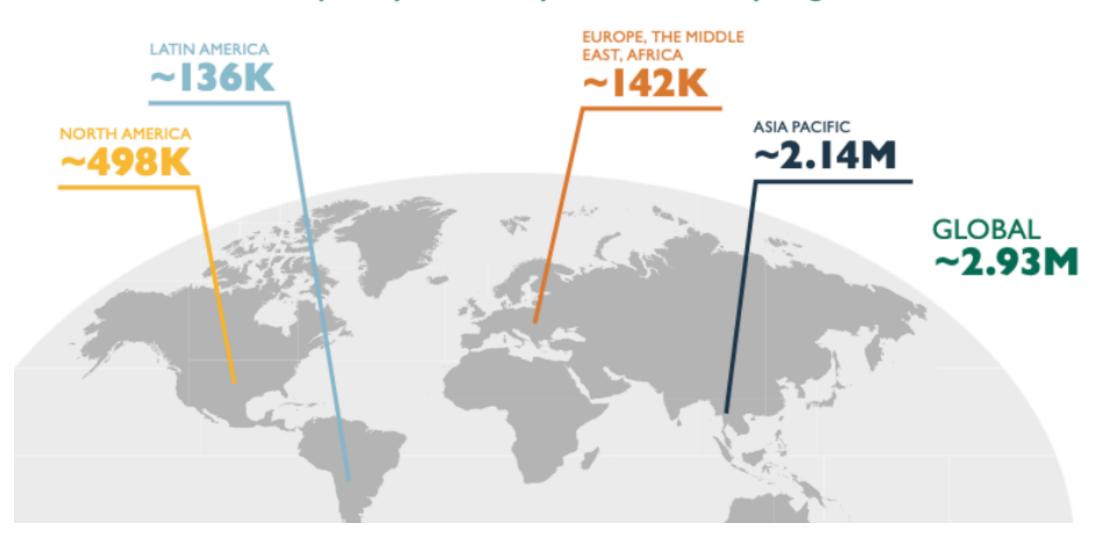
VAST WORKFORCE SHORTAGE

Traditional education models are not lowering the cyber threat, nor are they closing the cyber workforce gap

Current Cybersecurity Staffing & Level of Risk Caused by Staff Shortage

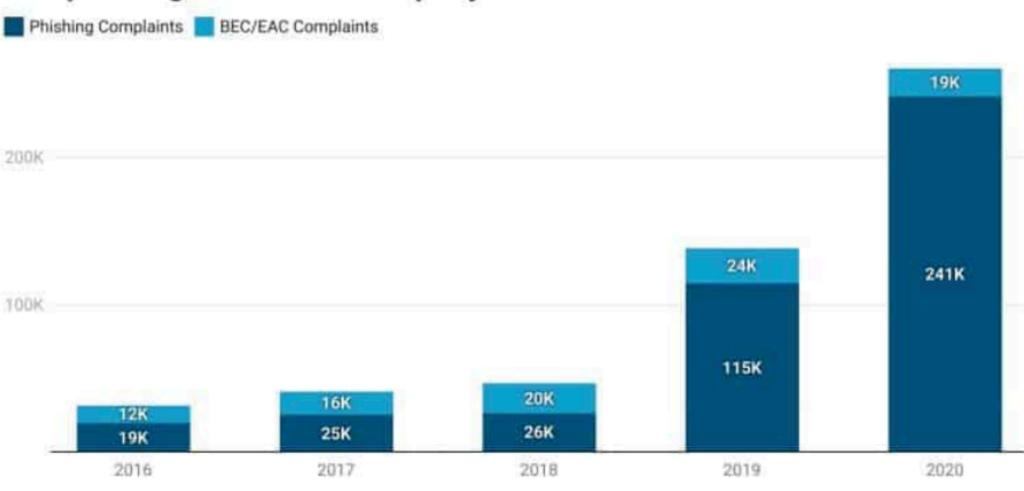




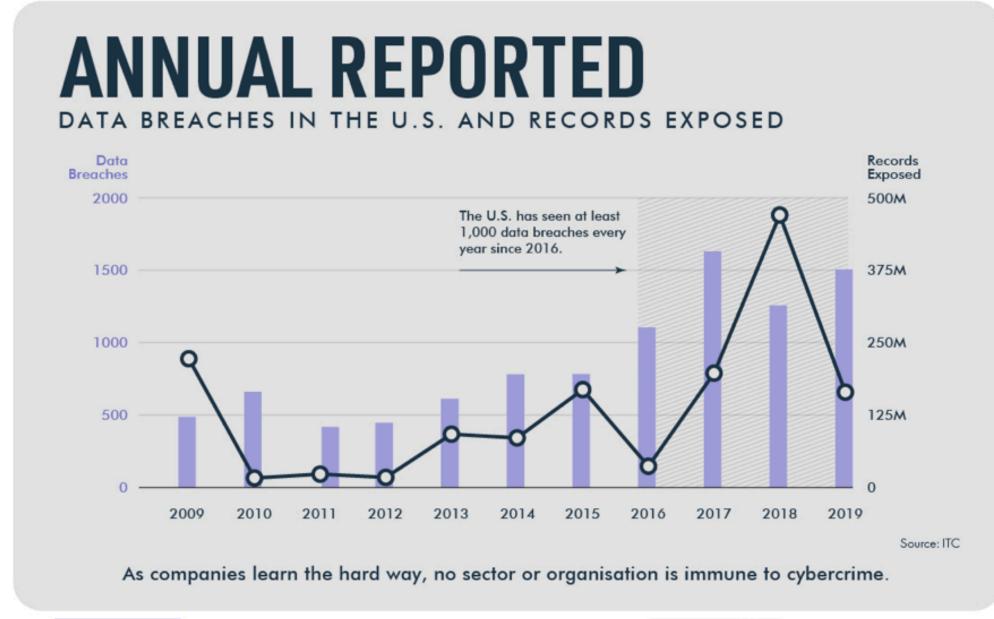


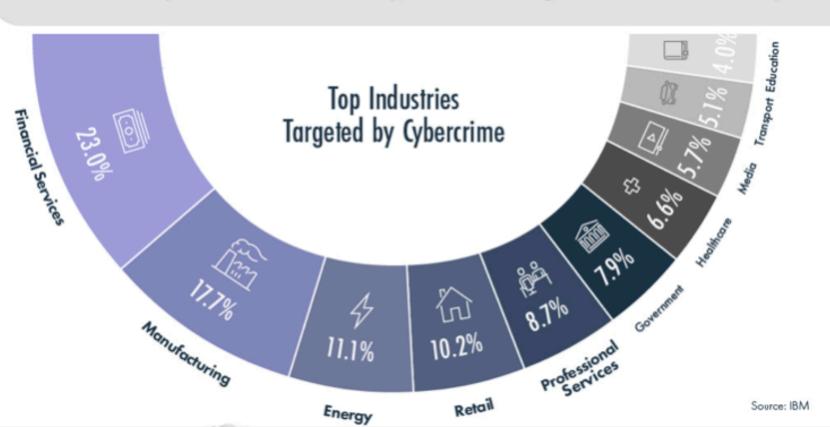
of phishing and BEC scams per year

Chart: Comparitech · Source: IC3 · Created with Datawrapper

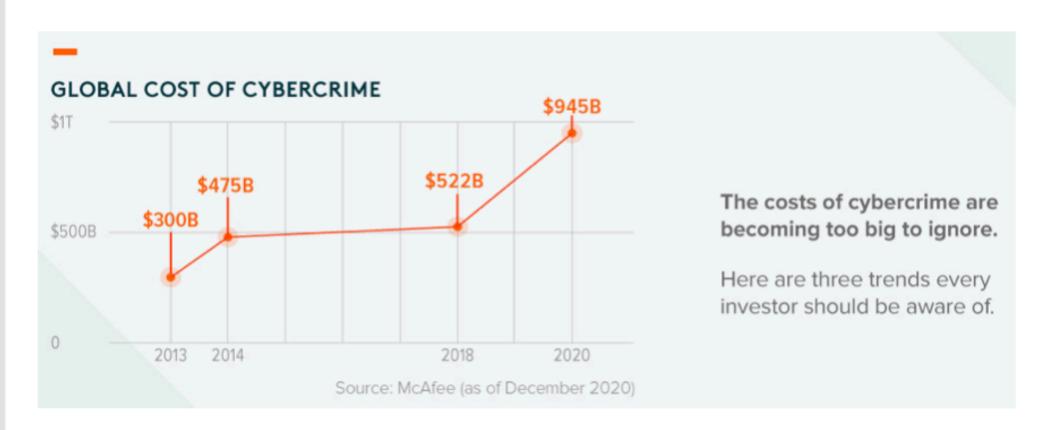


INCREASING ATTAC 90 % of incidents and breaches are caused by human error due to insufficient education – costing bundreds of billions of dellars insufficient education – costing hundreds of billions of dollars annually





Cybersecurity Jobs Report: 3.5 Million Cybersecurity Ventures **Openings Through 2025** November 11, 2021, 10:06 GMT









At last: a business case for hiring POTENTIAL.

Failure of Imagination will be the biggest human challenge with regard to training.

Curious will win.

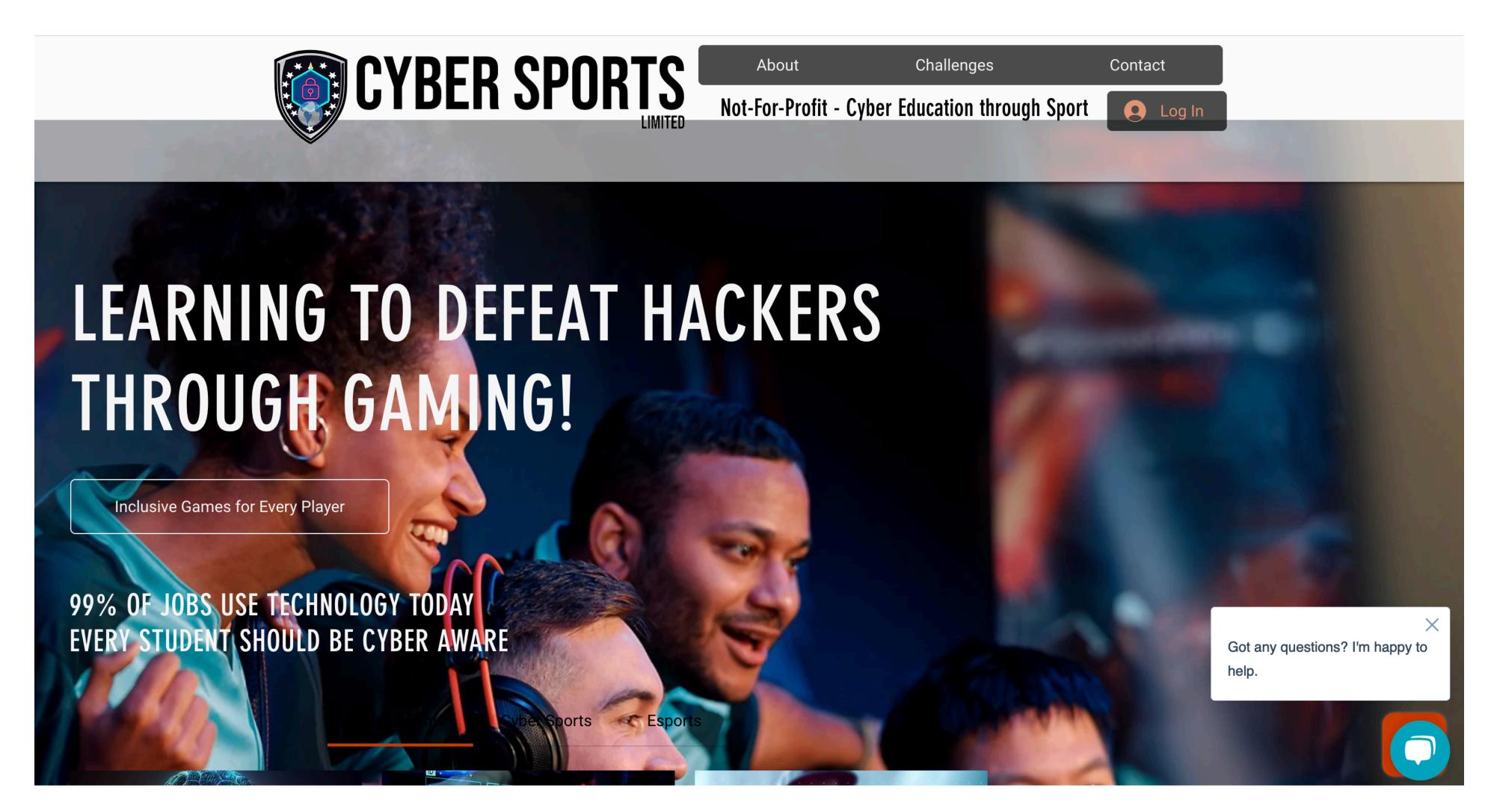


Specific Skills for Al

Statistics
Programming
Mathematics
Data Science
Machine Learning
Natural Language Programming
Computer Vision
Ethics
Strong Communication Skills* (tech/non-tech)
Problem Solving Skills

TRANSFERABLE SKILLS
INTUITION
RISK TAKING
ENTREPRENEURIAL THINKING
LEARNING/UNLEARNING

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Our responsibility is to be good stewards of technology to minimize the deleterious effects on humanity.

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Many thanks to:



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