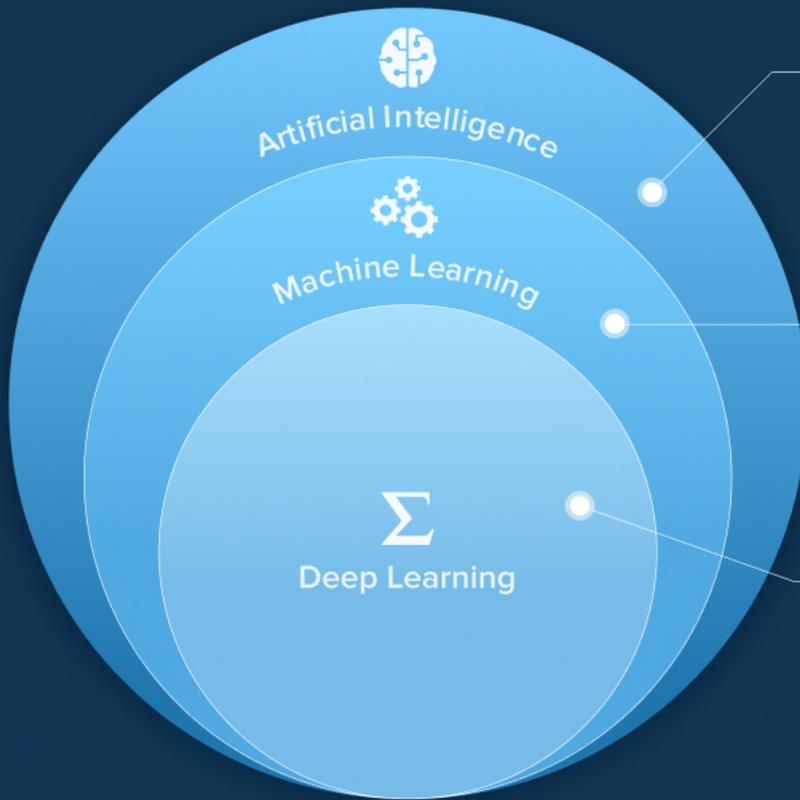


TOP MACHINE LEARNING USE CASES IN FINANCE AND BANKING IN 2023



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Big Technology Overview



ARTIFICIAL INTELLIGENCE

An umbrella term that refers to mimicking human intelligence processes by computer systems.

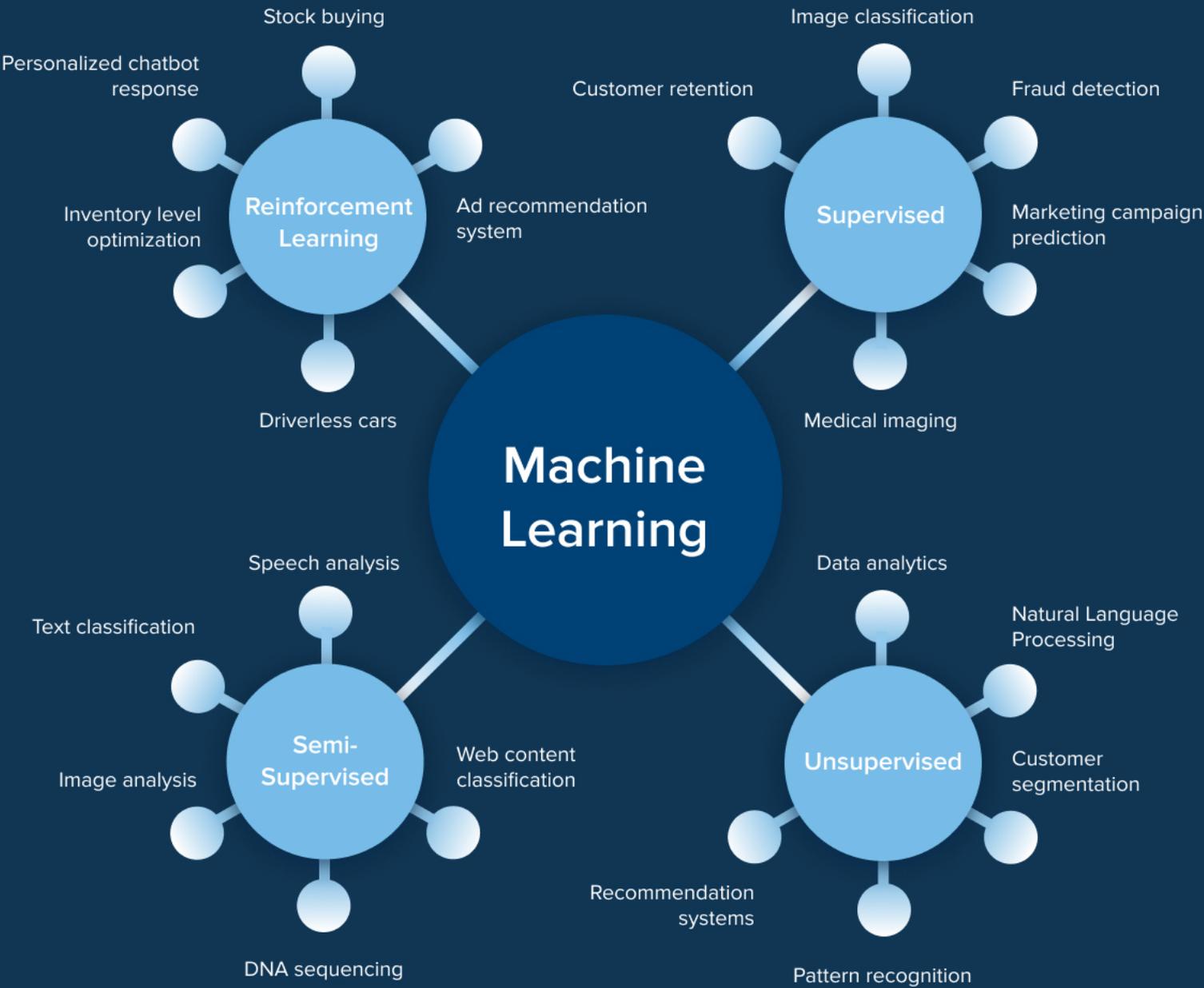
MACHINE LEARNING

A subset of AI that allows for designing and developing algorithms that can learn from data and make predictions.

DEEP LEARNING

A branch of ML based on artificial neural networks that can emulate human-decision making capabilities.

Machine Learning Algorithms and Use Cases



Machine Learning Market



Machine Learning Market 2022 - 2030

Market Size	CAGR	Dominating Region	Forecast Period
\$21.17 Billion	38.8%	North America	2022 - 2030

A Glimpse at Machine Learning in Finance and Banking

\$1 trillion

Potential value of implementing AI and analytics in banking.

McKinsey

\$64.03 billion

The market size by 2030.

Allied Market Research

75%

Number of banks with over \$100 billion in assets currently implementing AI strategies.

AI in Fintech Market - Growth Rate by Region (2022-2027)



Mordor Intelligence

How Computer Intelligence Addresses Challenges in Finance & Banking

COMPLIANCE EXCELLENCE

Challenges

- Banks and financial organizations confront evolving regulatory requirements
- Compliance and operational risk programs operate in silos
- Data privacy concerns continue to generate strategic business challenges

How machine learning can help

- Scans and analyzes any volume of regulatory activity
- Provides an integrated view of data and uniform compliance coverage
- Offers safeguards to ensure confidentiality, integrity, and availability of data

RISE IN FRAUD ATTEMPTS

Challenges

- Banks lament an increasing number of frauds
- Time and money are wasted on false positives during KYC
- Manual AML compliance decisions are costly

How machine learning can help

- Amplifies security posture and identifies anomalous behavior.
- Enables automated, ML-based KYC processes
- Accelerates AML processes across financial services

CHANGING CONSUMER BEHAVIOR

Challenges

- Customers prefer financial services based on personalization
- Self-service banking has become a staple
- Customers are willing to switch to digital-only wealth management

How machine learning can help

- Powers proactive, hyper-personalized experience
- Fuels virtual assistants for self-service
- Offers savings and investment recommendations

Top Finance Machine Learning Use Cases



Main Application Areas for Machine Learning in Banking



Customer Onboarding

ML-enabled verification, KYC, and document management



AML Systems

ML-based customer identification and transaction monitoring



Credit Underwriting

Smart credit risk analysis and automated loan decisioning



Day-to-day Banking

Improving compliance, document management, retention, and sales



Fraud Detection

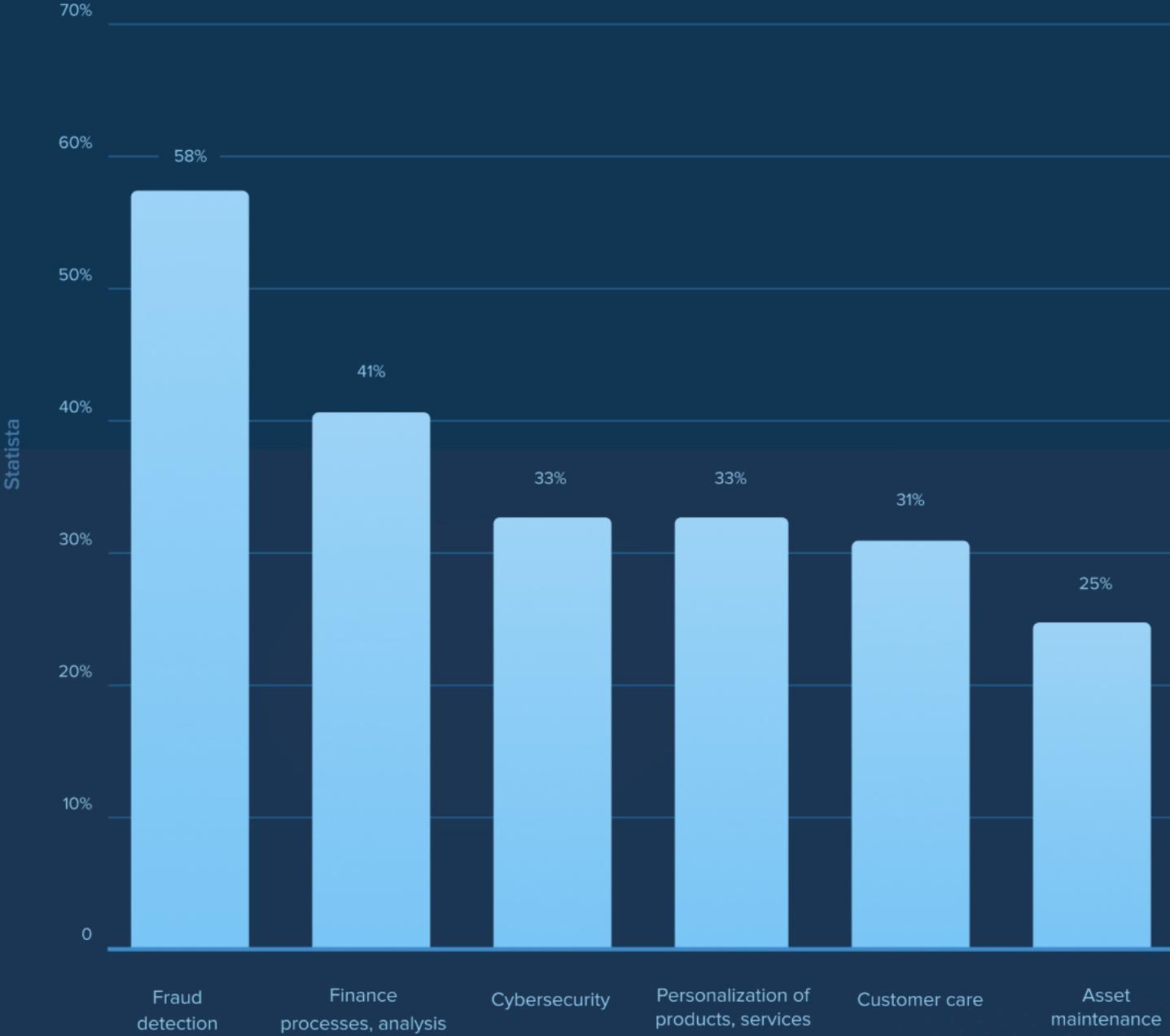
Identifying fraud and fortifying cybersecurity



Front Office

Conversational bots, targeted banking offers

Applications Leading the ML Adoption in the Financial Sector





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