



JULY 18 - 22 AT CAESARS PALACE

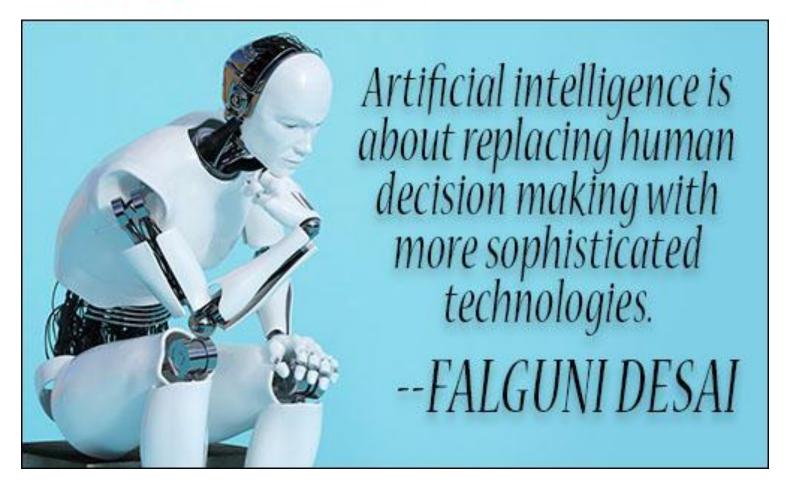
Managing the
Threats of Artificial
Intelligence
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Anthony Patch





There are positive benefits to Al

- Al is already widely in use
- Phone, watch, wearable and hand held device apps
- Computer programs and apps
- Lower stack, Narrow AI or simplified binary, transistor based applications are beneficial
- "Professor Hawking says the primitive forms of artificial intelligence developed so far have already proved very useful, but he fears the consequences of creating something that can match or surpass humans." —Rory Cellan-Jones, BBC Technology correspondent



Falguni Desai — The Age of Artificial Intelligence in Fintech





"Al is a fundamental risk to the existence of human civilization"

—Elon Musk

- "I agree with Elon Musk and some others on this and don't understand why some people are not concerned." —Bill Gates on Reddit
- AI, (is) "my number 1 risk for this century" —Shane Legg, Deepmind computer scientist and AI researcher
- "The upheavals [of artificial intelligence] can escalate quickly and become scarier and even cataclysmic." — Nick Bilton, tech columnist wrote in the New York Times



- There certainly will be job disruption. Because what's going to happen is robots will be able to do everything better than us... I mean all of us, This is really the scariest problem to me... no job is safe" —Elon Musk warned at the National Governors Association in 2017
- "The pace of progress in artificial intelligence (I'm not referring to narrow AI) is incredibly fast. Unless you have direct exposure to groups like Deepmind, you have no idea how fast—it is growing at a pace close to exponential. The risk of something seriously dangerous happening is in the five-year timeframe. 10 years at most." —Elon Musk wrote in a comment on Edge.org





 "I visualize a time when we will be to robots what dogs are to humans..." —Claude Shannon, The Mathematical Theory of Communication





1. The Preparation

- "Immigration Without Assimilation is Invasion" Governor Bobby Jindal of Louisiana, CBS's Face the Nation, August 30, 2015
- Assimilation (and the preparation and integration leading up to it) of a technology into a society is an essential step in not only getting the populace to willingly accept it, but eagerly pursue it, pay for it, empty their lives into it and worship it
- We have actively participated in this process without stopping to consider that there is a price to be paid
- Many of the preparation steps are voluntary; some are involuntary





1. The Preparation

ACTION	THREAT	EXAMPLE	
Genetically modified organisms (GMO food)	DNA modification	Corn and byproducts such as high fructose corn syrup	
Geoengineering	DNA Modification Nano particle uptake Air, water and soil chemistry modifications	Morgellon's Disease Pending electronic activation through 5G millimeter microwaves Decreasing crop productivity	
Microwave radiation from all wireless devices; near field antenna plume (<7") & Information Carrying Radio Wave (ICRW) broadcast	Health effects	Cancer Sleeplessness Damages living DNA Blood-brain barrier leakage Reduced sperm count Hormonal imbalance	
Cell phones, tablets & computers	Loss of privacy Location tracking Data collection/Hacking	Electronic wire tap Real time GPS position Data generated feeding to Big Data & data theft	
Smart watches & health monitoring devices	Loss of privacy Data security/sharing	Health data collection Denial of insurance benefits	
Smart TVs	Loss of privacy	Reverse viewing and listening capabilities	
Virtual intelligence & personal assistants	Loss of privacy Extraneous use Continuous eavesdropping	Alexa, Echo, Cortana, etc. Unintended consequences Spying	
Smart meters	Degrades health	Cancer	
RFID chips	Security	Data theft and unauthorized use	
Implantable micro-, nano- & bio-chips or neural lace	Degrades health Location tracking Loss of privacy	Cancer Real time GPS position Health data collection	
Sci-Fi movies & predictive programming	Psychological operation (PsyOp) for public acceptance	Mandella effect due to quantum pollution	
Cryptocurrency	Replacement of sovereign currency	External control of individual wealth	





2. The Integration

- As will be explained next, assimilation methods are well advanced, having been developed in the background for military and other high-level purposes and having been scaled up and field tested on the battlefield to receive the data necessary to bring the loAT to fruition.
- Integration will occur as the 5G wireless systems are deployed and placed into service.
- The goal is continuous, reliable, high bandwidth fulltime coverage world-wide.
- The game-changer in all of this has been the development of adiabatic quantum computers (AQC).





2. The Integration

ACTION	THREAT	EXAMPLE	
5G connectivity to achieve IoAT (Military level communication system)	Millimeter wave Total connectivity Data collection/hacking Loss of privacy Weaponizable	Cancer and health effects will accelerate All things will be connected Tracking of purchase decisions & habits Remote viewing through walls (e.g. airport scanners) Decommissioning or death	
Space Fence	Ionized atmosphere	Targeting ability	
Human connectivity using Brain Computer Interface (BCI)	Nano particle activation Micro-, nano- & bio-chip connectivity Tracking/stalking Mind control	Neural lace DNA modifications to Transhuman state 2.0	
Smart appliances	5G signal repeater in home External control access Loss of privacy	Cancer and health effects will accelerate Energy Star incentives for utility control of appliances Tracking of purchase decisions & habits	
Adiabatic Quantum Computers (AQC)	Data assimilation Data analysis Limitless encryption decoding Limited access Data Granularity Quantum solution	Tracking of decisions & habits Everything about everybody, everywhere No electronic system can be truly secure Only those that have the D-Wave Massive data acquisition to feed Al's Bug Data appetite Can not be replicated or explained	
Blockchain & Cryptocurrency	Loss of economic sovereignty Data granularity through mining	No regulatory control to prevent fraud or abuse Increasing Al knowledge	





3. The Assimilation

- As full scale high speed connectivity is achieved, virtually all electronic devices and people will be connected to the Sentient World Simulation (SWS).
- Along with IoAT, robotics and autonomous software systems will replace many jobs performed by humans.
- Professionals are equally at risk. In 2012, the American Legislative Exchange Council introduced The Occupational Licensing Relief and Job Creation Act (sounds good doesn't it) to eliminate professional licensing.





- Elimination of professional licensing allows AI software and systems to perform duties previously requiring a licensed individual.
- As the most advanced AI systems produce highly accurate results that the programmers can neither explain nor replicate, they would likely be impossible to license, since one cannot qualify something that cannot be explained or replicated.
- The President of Carnegie Mellon University recently predicted that up to 40% of jobs would be replaced by robotics and AI systems. That number may be a gross underestimate.





3. The Assimilation

ACTION	THREAT	EXAMPLE	
Sentient World Simulation (SWS) Purdue Univ. Krannert School of Management	Create a new virtual model Perform predictive analysis of human reaction to simulated scenarios Serve as the software platform through which the IoAT will operate Capture and control our individual way of living	Virtual reality replacing reality Global Centre for Combating Extremist Ideology Operation Jade Helm Loss of sovereignty (national & personal freedom), Autonomy, Liberties, Rights, Sentient Abilities, Self Awareness, Consciousness, Self Determination, Privacy & Security	
information, such as major events, opinion polls, dem	ographic statistics, economic reports, and shi m the traditional approach of constructing a si	a automated continuous calibration with respect to current real-world fts in trends. The ability of a synthetic model of the real world to sense, mulation to illustrate a phenomen(on). Behaviors emerge in the SWS	
Full Automation, UN Agenda 2030 & Universal Basic Income (UBI)	Robotic technologies will eliminate up to 40% of employment: - Skilled manufacturing and minimum wage jobs - Professional positions -Pilots and vehicle operators	Workers not retrained to design, install, maintain and operate Al robotic systems will be displaced from the workplace Standards of living will be decreased Displaced work force will increase dependence and burden on State support Universal basic Income (UBI)	
CERN is the single greatest existential threat	Largest, most expensive, most complex machine ever built with participation from 100+ countries Nuclear device performing experiments with anticipated outcomes Utilizing the most advanced adiabatic quantum computing system available that is guided by multidimensional computations obtaining solutions from undefined sources	Unpredictable results and consequences	
Life extension and pursuit of eternal life	DNA alteration Brain replication/upload Singularity	Trans-Humanism & becoming like a god	





Threat Response

- Considering how we have been <u>introduced</u> to Al control, now understanding the means of <u>assimilation</u> that have been deployed and how the <u>integration</u> into Al control is happening now, one may feel overwhelmed. So, what can we do?
- Do not allow yourself to be injected with a bio/micro/ RFID chip of any kind.
- Those who choose to allow these devices to be placed inside of them will be irreversibly connected to the hive mind and in time the AI system will take complete control. Warn your family, friends and co-workers!





"We must address, individually and collectively, moral and ethical issues raised by cutting-edge research in artificial intelligence and biotechnology..." —Klaus Schwab

"With artificial intelligence we're summoning the demon." —Elon Musk warned at MIT's AeroAstro Centennial Symposium





For source information

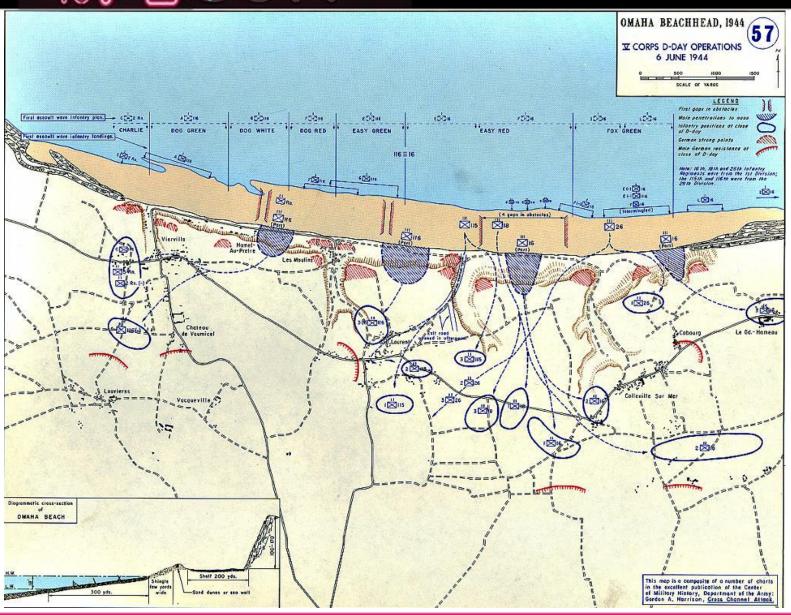
@SidBurnsPE





Beachhead of the Coming Al Tsunami

Anthony Patch

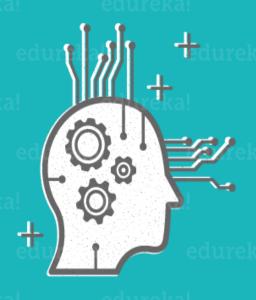




edureka!

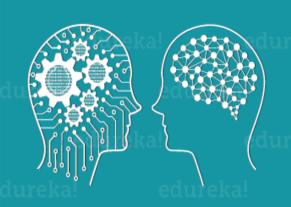
ARTIFICIAL INTELLIGENCE

Engineering of making Intelligent Machines and Programs



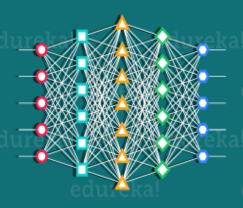
MACHINE LEARNING

Ability to learn without being explicitly programmed



DEEP LEARNING

Learning based on Deep Neural Network



1950's

1960's

1970's

1980's

1990's

2000's

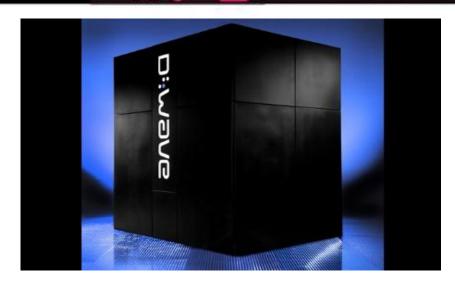
2006's

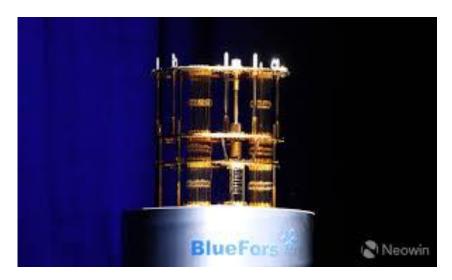
2010's

2012's

2017's

20 PE GOVEN





IBMO

Microsoft







University Centre for of Oxford the Study of Existential

Cambridge

Center for a New American Security Electronic Frontier Foundation 0penAI

February 2018

The Malicious Use of Artificial Intelligence: Forecasting, Prevention, and Mitigation



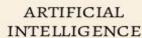












VS VENTURE SCANNER

The <u>Venture Scanner</u> research platform currently tracks 2,029 artificial intelligence startups with \$27B in funding















The graphic above shows a random sampling of companies in each category, data cumulative as of December 2017





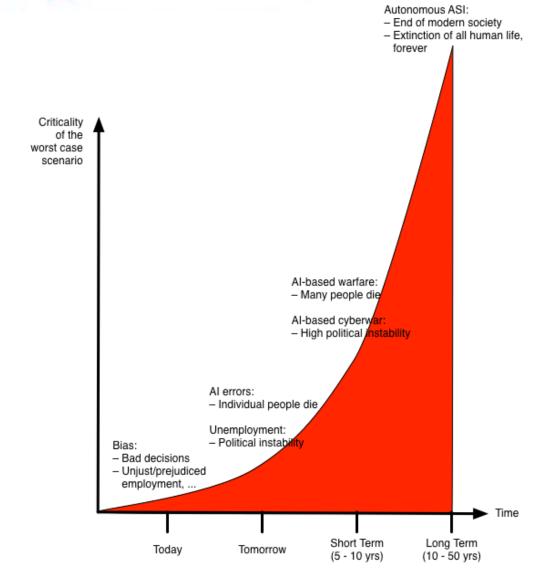
A discussion/response to Stephen Hawking



BBC: Stephen Hawking warns artificial intelligence could end mankind (Dec 2, 2014)

"He told the BBC: The development of full artificial intelligence could spell the end of the human race."

"It would take off on its own, and re-design itself at an ever increasing rate," he said. "Humans, who are limited by slow biological evolution, couldn't compete, and would be superseded







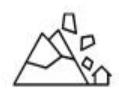
CYBERSECURITY THREATS TABLE: OLD-SCHOOL VS. AI

CYBERSECURITY THREAT(S)	OLD-SCHOOL APPROACH	NEW-SCHOOL AI APPROACH	SELECT STARTUPS LEVERAGING AI APPRAOCH
Malware	Anti-virus etc. uses signature-based detection to flag attacks Covers known vulnerabilities	Pattern recognition and predictive analytics to thwart new attacks Can cover "zero-day" exploits	patternex SentinelOne
DDoS (Distributed Denial Of Service)	 Analysts monitor network-traffic to spot an on-going DDoS attack Resource intensive, limited by human cognition, reactive 	Algorithms auto-detect abnormal network-resource allocation Efficient analyst resources, automated, faster response	ZENEDGE SH-PC
IoT & Endpoints	Manual device-level security updates through the cloud Ad-hoc security, ineffective at scale	Network-level behavior-analytics and entity-anomaly-detection Real-time security, effective at scale	TANIUM CUJO
Social Engineering	 Education on digital hygiene and countering hackers' tactics Prone to human error 	Education + social-biometrics and user-anomaly-detection Less prone to human error	BehavioSec RUBICA

CBINSIGHTS



Targeting the Hidden Attack Surface of Automation



Prediction One
Weaponizing AI



Large API Attacks



Attacking Proxies

Prediction Three



Rise of Automated Social Engineering

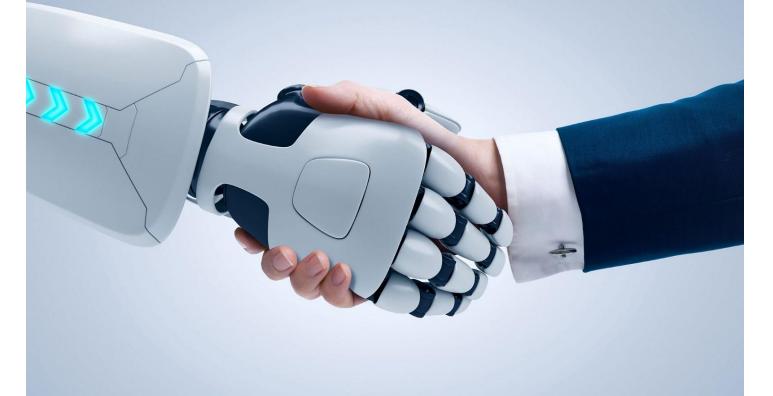
Prediction Four

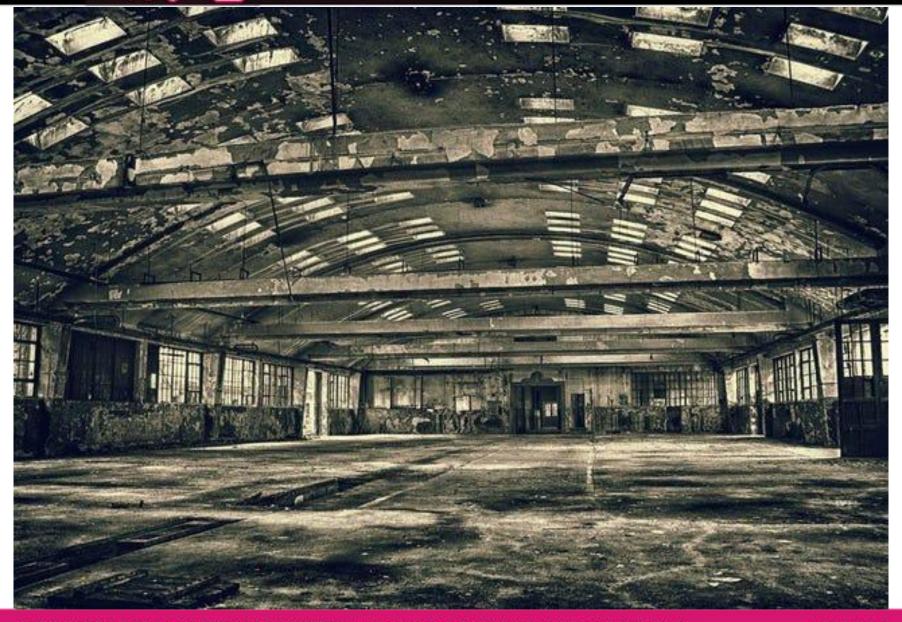
Automation is already changing our world. We should change the way we think about security accordingly.



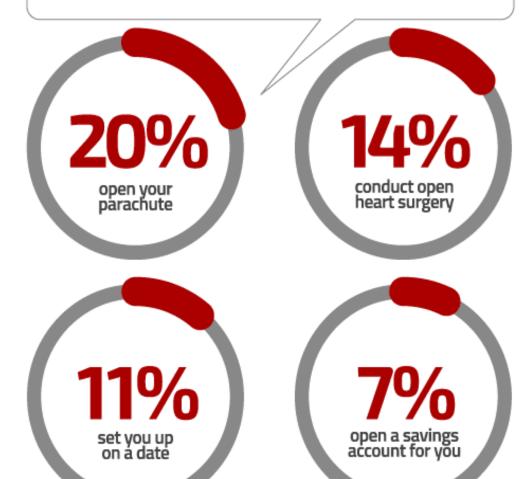


BUILDING TRUST AND CONFIDENCE WITH "RESPONSIBLE AI"





Would you trust an AI-powered robot to...

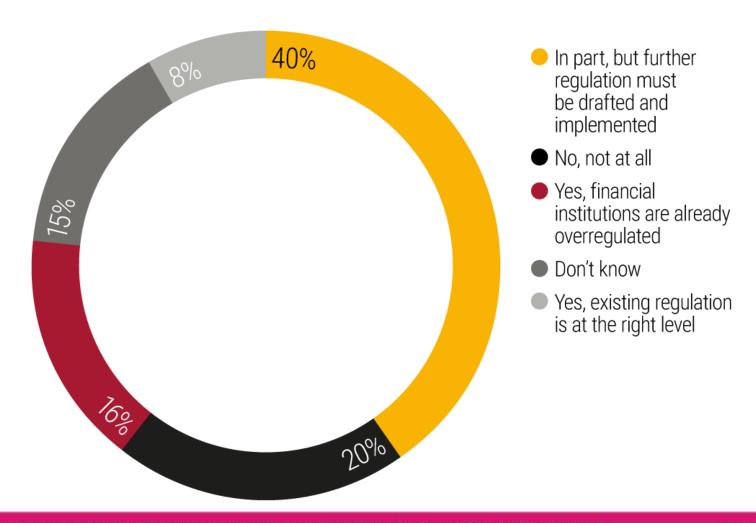


SOURCE: HSBC @ June 2017 The Financial Brand





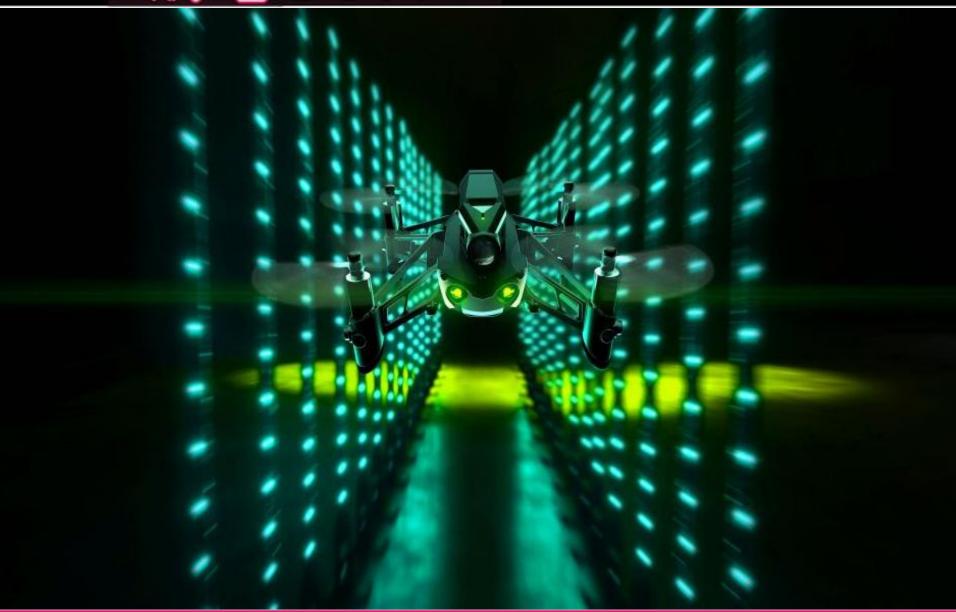
Is existing regulation sufficient to address issues posed by AI?







OUR MACHINE WILL MAKE UP STORIES
ABOUT WHAT IT'S DOING. IT WILL BE
ABLE TO RELATE THOSE STORIES TO
OTHERS. IT WILL OFTEN BE WRONG.

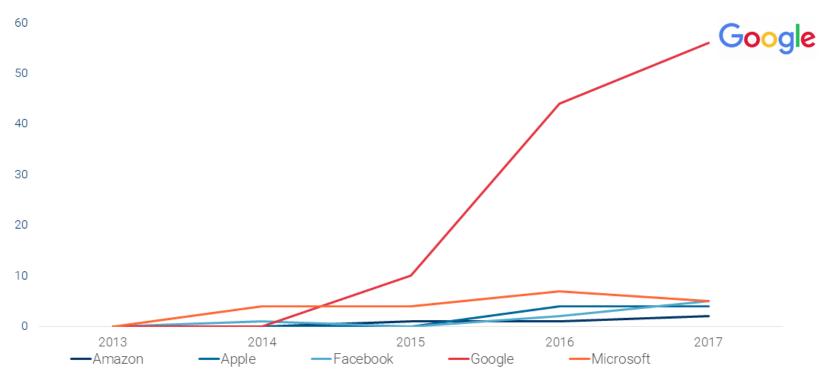






Google is emphasizing it's an AI/ML company

Mentions of "Machine Learning" in earnings transcripts, 2013 - 2017



CBINSIGHTS

CB Insights Earnings Transcript Database







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