Unpoisoned Fruit:

2018

Seeding Trust into a Growing World of Algorithmic Warfare

Davi Ottenheimer



Agenda

- 1. Whoami
- 2. Defensive concepts for algorithmic warfare based on intl history
- 3. Nearly all digital life influenced by Al
- 4. Can delegated automation agents (cyber soldiers) be trusted?
 - History shows absence of regulation (integrity breach) ends in humanitarian disasters
 - Yet platform infosec slow to regulate after breaches (social inequalities and conflict)
 - Algorithm security increasingly raises need to avert, or win, kinetic conflict
- 5. How and why to seed security into big data rather than unpoison its fruit





1. whoami (ode to BlackHat)







1980s Pranks or Sabotage?



Internet, Email, BBS, Laptop (T1000), Self-built 286, Commodore, Amiga, VAX/VMS, SunOS, Macintosh

414 'Hacker' Neal Patrick

Trespassing in the Information Age-Pranks or Sabolage?

Drugs and Olympic Athletes

Computer Cap

- April: "Russians Steal Our Secrets...High-Tech Heist" LIFE Magazine
- June: WarGames Movie
 - August: "Computer Capers" by 414 "Hacker" Newsweek



1990s Ethics of Humanitarian Intervention





• 1994 MSc on Ethiopia









2. defensive concepts for algowar...

"data changes our judgment and that's what the modern world is about" (hat tip to bayes and fisher)





and so after 2+ decades of infosec...here we are



https://www.techrepublic.com/article/us-economy-could-lose-15b-if-one-major-cloud-provider-went-down-for-a-few-days/ https://www.sec.gov/cgi-bin/viewer?action=view&cik=33185&accession_number=0000033185-17-000032&xbrl_type=v#





...based on international history perspective of data integrity (ethical judgments)





Iran 1980







Tesla 2016 - Did not see until too late

"human far earlier detects what Tesla blind to"





https://twitter.com/daviottenheimer/status/721875721946202112









Seychelles 1981

"[Kenya President] Moi either had been duped by intelligence or was playing politics.

He insisted persons who hired Beechcraft aircraft from Sunbird Aviation were 'American tourists'.

Andrew Cole later ... would admit Sunbird flew Mad Mike Hoar into Seychelles. 'We did, but we didn't know (they were mercenaries) ...

They registered as a rugby team."



https://www.nation.co.ke/news/politics/How-Njonjo-Gethi-were-embroiled-in-Seychelles-coup-plot/-/1064/2937724/-/hijdu0/-/index.html



MIT/LabSix 2017 - Easily exposed

- Researchers: "Classified as a rifle from every angle!"
- Reality: It's still classified as a turtle. Rifle not listed





https://twitter.com/daviottenheimer/status/925550016378343424 https://arxiv.org/pdf/1707.07397.pdf



Sudan 1983 (& Grenada)



🔄 https://www.upi.com/Archives/1983/07/09/Hostages-clean-up-mess-from-bloody-rescue/3923426571200/ 🎈 f



© ASA

Strava 2014



strava posts surveillance of runners and bikers labs.strava.com/heatmap/#12/-1 ...









Replying to @liamosaur

airport tracks are cool and stuff (gotta stay close), and some tunnels in the middle of desert are revealing bases, but i say hotels in Pyongyang have been the best so far



6:35 PM - 27 Jan 2018

Strava 2018

@pwnallthethings

TIL there's a lot of folks in North Korea with fitbits. Here's their preferred running routes.



9:22 AM - 28 Jan 2018



https://labs.strava.com/heatmap/#17.88/125.69248/39.00986/hot/all https://twitter.com/Nrg8000/status/957318498102865920



V

Panama 1989





Cambridge 2016

... Machine in Former Colony (Independent Within Commonwealth Since 30 September 1966)





http://www.flyingpenguin.com/?p=22429





Fast Forward to...Niger 2017

"That special forces team did not have a true picture of the environment that they were in...did not understand how close the terrorists were to their operation."



https://www.cnn.com/2018/01/11/politics/niger-ambush-final-investigation/index.html



"Data Changes Our Judgment"





http://asc.army.mil/web/news-alt-jfm18-complex-environments-call-for-better-sensors/



3. AI/ML impact expanding fast: all human "privileges" and rights (authority transfer to pass judgment)





EVERY Industry Already "Smoking" Some AI/ML (replacing organic/natural sensors/agents)

- Retail
- Ag
- Financial
- Health
- Education
- Energy
- Gov
- Transit







"AI is the Civil Rights Battle of Our Time"

-- @yeshican







Elon Musk "offers graphic warning" in bizarre self-nullifying act of gov defiance

"...once it can [operate] and decide for itself whom to kill, why should a [CEO] care what governments think"



https://www.cnet.com/news/scary-slaughterbots-video-shows-danger-of-ai-powered-drone-weapons/



Even Math PhD is Woke, Worried Math = Weapons

- Campaigning to end "blind faith" in big data
- No replacements for faith, just says *quit believing*
- Confusingly calls Netflix her example of safe Al

Does her abrupt destruction of faith invite greater instability, without a guide for how to be a professional skeptic? (hint: yes)







HEY CATHY: NetFlix NOT Good Example of Safe AI

- Data accessible, easy to discover, and easy to process for <u>everyone</u>
- Whether large or small, able to visualize
- The longer to find data, less <u>value</u>



Figure 3.2 Detailed Color Comparison of Hemlock Grove, House of Cards, and Arrested Development Source: Netflix Technology Blog (techblog.netflix.com)





Courts Manually Found GOP Guilty of Killing Votes

129 Electoral College Votes out of 270 Needed to Win (48%)









Machines Reveal Pervasive GOP Gerrymandering







History Time: Let's Not Repeat Errors of Past Automation Machines...The "Gilded Age" of 1880s





3. I	Repeat Rifle:
L	aw and Order
ното	HKISS REPEATING RIFLE, MODEL 1883.
	SPORTING RIFLE, PLAIM.
	NUSKET.
A REAL PROPERTY AND A REAL	Discourse State
	CARDINE.





1) Piston Engine Gives...Horsepower 100,000 *boilers* by 1890 N. DAK MONT Orig DANO S. DAK NEBRASK ARIZONA TEREUTORY TERRITO MEXICO VEDERA TEX. **1890**—The period from 1880 to 1890 was one of rapid expansion. More than 70,300 miles of new lines were opened in that decade, bringing the total net-work up to 163,597 miles. By 1890, several trunk line railroads extended to the Pacific. In thirty years from 1860 to 1890, the total mileage of the region west of the Misziszippi River increased from 2,175 to 72,389, and the population of that area increased fourfold.





2) Barbed Wire Gives...Asset Management

Inexpensive galvanized telegraph wire and simple twist for barbs.

Vast labor force unnecessary suddenly with inexpensive method to divide and allocate land to control livestock movements.





3) Repeat Rifle Gives...Law and Order

Maxim, an egomaniacal draft dodger, gave the world the first true automatic weapon (Patent No 3493 1883). Used by British in Colonial Africa and by Germans in WWI to turn earth into hell. Died

proud.

- C. J. Chivers





Never Forget: How/Why Automation Ends Here INDUSTRIALIZED GENOCIDE IN DISGUISE







Are Driverless Cars Just Disguised Private Missiles?

TESLA WAITED NINE DAYS TO REPORT INCIDENT TO SAFETY REGULATORS



"...continue to find parts of the car in their yard eight weeks after the crash"







City Tires of Attack: Locals Combat Armored Drones

"Mayor Judah Zeigler said some streets get three times more traffic than the normal average.

'We get about 4,000 vehicles that travel up the street that's behind me on their way to the bridge,' Zeigler said. 'If the bridge is backed up we get about 12,000 vehicles that go up that street."

Which Impacts Faster? Car Swarms or ICBMs Using Leonia as a cut-through to the George Washington Bridge wil increase your commute time. Staying on the major highways will be quickest route to the George Washington Bridge.



Small town uses low-tech solution to combat Waze Navigation apps like Waze and Google Maps can help speed up your commu CBSNEWS.COM





"Waze Invaders"










https://twitter.com/Reuters/status/957268697244229632 https://twitter.com/daviottenheimer/status/900065436506763265



4. can delegated automation agents (cyber soldiers) be trusted?





A. standard-based ethical test (value objective facts) B. system transparency _____

(value getting consent)

Science

= reduced security breaches, and increased accountability





Formerly Step (7) in Reality of Securing Big Data





Now Step (4)



Ingest Store Analyze S	urface
------------------------	--------





"New Tech" Challenges to GRC are Very Old Game

Don't get too hooked on motives. Consider means / opportunity / consequence (harm) given commodity econ:

- 1. Is it more dangerous when "nation-state" gets into computers?
- 2. Is it more dangerous when "non-nation state" gets into drones?







I Think, Therefore I...Must Learn How to Avert Harm

Rene Descartes (1596-1650)



1637: 'Cogito, ergo sum'

John Locke (1632-1704)

1693: Reflective Process, Articulated Steps







Is it the Empiricism Era (1700s) of AI Yet?

Learning From Experience

Deep neural networks learn by adjusting the strengths of their connections to better convey input signals through multiple layers to neurons associated with the right general concepts.



When data is fed into a network, each artificial neuron that fires (labeled "1") transmits signals to certain neurons in the next layer, which are likely to fire if multiple signals are received. The process filters out noise and retains only the most relevant features. "The most important part of learning is forgetting [noise unnecessary to remember]"



Davíd Hume (1711-1776)





2016 "Missile Crisis" Talk Explained Road Ahead

America On the Road to Driverless Cars



1956

1957

1960



RSA Conference2016





mongoDB.

#RSAC

Experience (history) tells us self-interested (rational) behavior won't save us from automation holocaust

Compromise (Adapt) or Die?





Figure 6.4 The Shift in How Intrastate Conflicts End, 1950–2004

Data Source: UCDP/HSRP Dataset.

"...debates have lionized threats and confrontation and *minimized* realistic compromise.



[We] need to remember that the ever steely-eyed JFK found a compromise solution to the Cuban missile crisis and the compromise worked."





UASP

http://www.hsrgroup.org/docs/Publications/HSR2012/HSRP2012 Chapter%206.pdf http://www.flyingpenguin.com/?p=19002

RSAConference2016





1. Establishing Standards Based Testing: Users have right take/extract data *from* any platform

 Transparency: Users have right to representation (safe from harm, opposite of blind) if algorithms extract value from them (taxation)





Newest Tech = Tax People Without Representation

"Acting in own interests against the public good"

post about being publicly stalked by the company has now gone viral, but Uber refuses to comment, and another two other guests at the event says they don't remember it happening.



Attendees at Uber's Boston launch party enjoying 'God View' (Photos via Uber's [-

This was back in 2011, when a casual disregard for user privacy may still have been cool in some circles. The \$18.2WTF: Evernote's employees read your private notes in order to "improve machine learning"! Glad I jumped that ship months ago...

Evernote 🥺 @evernote

Replying to @joe_hill

Hi, Joe. We get that not everyone feels the same about machine learning. If you'd prefer, you may opt out. bit.ly/2hs7NEX

2:11 PM - 13 Dec 2016

https://www.forbes.com/sites/kashmirhill/2014/10/03/god-view-uber-allegedly-stalked-users-for-party-goers-viewing-pleasure/ https://twitter.com/ragso/status/808796392747663364











Neither Standard Nor Transparent

9,2 km 2 h 29 min



<





Lack of Standards, Lack of Transparency: "Democracy Collapse"



Megha Rajagopalan 🤣 @meghara

Facebook was supposed to be a platform for free speech in countries like Cambodia. Instead, it's enabling propaganda and repression as the country's hopes for democracy collapse. My story from Phnom Penh



This Country's Leader Shut Down Democracy – With A Little Help Fr... Facebook was supposed to open up societies like Cambodia. But it's doing just the opposite — with disastrous consequences for its fragile politics. buzzfeed.com

7:25 AM - 21 Jan 2018

https://twitter.com/meghara/status/955099036259790854





CSO Failed to Disclose Massive Breach...AGAIN

2015 Facebook

- Hire novice CSO from Yahoo
- RU Campaign Starts
- Receives external warnings (Ukraine) of RU Attacks

2016 CEO says no signs

2018 Senate Intelligence Committee Report

- 129 troll factory events
- 338,000 views
- 62,500 users confirm going



I am very happy to announce that I will be joining Facebook as their Chief Security Officer next Monday.

The Internet has been an incredible force for connecting the world and giving individuals access to personal, educational and economic opportunities that are unprecedented in human history. These benefits are not without risk, and it is the responsibility of our industry to build the safest, most trustworthy products possible.

This is why I am joining Facebook. There is no company in the world that is better positioned to tackle the challenges faced not only by today's Internet users but for the remaining 2/3rds of humanity we have yet to connect. The Facebook security team has demonstrated a history of innovation as well as a unique willingness to share those innovations with the world, and we will build upon that history in the years to come.

I had a wonderful time at Yahoo and learned that the Yahoo Paranoids truly live up to their legend. Their commitment, brilliance, drive and pioneering spirit made it a pleasure to roll up our sleeves and get to work. Careers are long, and I hope our paths will cross often in the future. I wish all my friends at Yahoo the very best.

1.2K Likes 150 Comments 94 Shares



https://www.washingtonpost.com/news/the-switch/wp/2018/01/25/russians-got-tens-of -thousands-of-americans-to-rsvp-for-their-phony-political-events-on-facebook/



Do You See a Reflective Process, Articulated Steps?

"I write articles arguing that banning bump stocks, which enable semi-automatic guns to fire more rapidly, won't prevent mass shootings and that the left skews statistics. I believe the opposite to be true. I vehemently disagree with what I write ... contributing to an atmosphere of hatred...pays well."

- Automatic gun = potential to save lives
- 2) ???
- 3) Profit!







Al Researchers Like to Say: "Explainability" of Learning

Decompose decisions into sub-decisions then organize into hierarchy of concepts to weigh decisions, and see how chosen.

Given Car drove below a trailer between wheels, the *most lethal* decision possible:

- Did AI merge right because simple algo avoidance (moving bridge)?
- Did AI not hit brakes because "good enough" engineering means decapitated human?

- Automatic auto has potential to save lives
- 2) ???
- 3) Profit!







A CSO "Working to Stop Them" is not Transparency



No apology. No accountability. No detail about preventative measures.

For the company that literally invented tweets, this is an incredibly poorly constructed tweet.

Twitter Comms 🥏 @TwitterComms

The tactics used by Devumi on our platform and others as described by today's NYT article violate our policies and are unnacceptable to us. We are working to stop them and any companies like them.

11:19 AM - 28 Jan 2018







A CSO Opaque Playground is not Transparency



Eric Schneiderman 🤣

@AGSchneiderman

The internet should be one of the greatest tools for democracy—but it's increasingly being turned into an opaque, pay-to-play playground.

8:32 AM - 27 Jan 2018



https://www.nytimes.com/interactive/2018/01/27/technology/social-media-bots.html https://twitter.com/AGSchneiderman/status/957290102715281408



Culpability of Executives Remaining Neutral While Watching Abuse on Their Platform "We at Facebook Were Too Slow to Recognize"

"Russian posters had created 80,000 Facebook posts which had reached 126 million people in the US over a two-year period. [...] We at Facebook were far too slow to recognise how bad actors were abusing our platform."



German bombers in skies over London by afternoon of September 7, 1940 while US Standard Oil management reporting: "despite Allies, Nazis still get our refined products"

https://www.theguardian.com/technology/2018/jan/28/tech-backlash-facebook-google-fake-news-business-monopoly-regulation https://twitter.com/daviottenheimer/status/661453199723753473 OWASP



11:39 AM - 31 Jan 2018



Follow)

Top 3 "People Are Saying" posts in Facebook's Trending News section for the Amtrak crash are all absolutely bonkers conspiracy theories.

I follow zero of these people and replicated in Incognito.

It is bananas they have not fixed this problem yet.







Drug firms drop 20.8M pain pills on 2,900 Americans

- Pharma industry carefully tracks distribution of pills
- 20 million pills to 2 pharmacies of tiny town obviously harmful
- Knew harms and continued dropping. They knew



"The state has the highest drug overdose death rate in the nation. More than 880 people fatally overdosed in West Virginia in 2016."



https://www.wvgazettemail.com/news/health/drug-firms-shipped-m-pain-pills-to-wv-town-with/ article_ef04190c-1763-5a0c-a77a-7da0ff06455b.html



5. how to seed security rather than unpoison fruit

advanced misinformation persistence threats (AMPT)





2013 RU Army (Gerasimov Doctrine):

The Value of Science Is in the Foresight: New Challenges Demand <u>Rethinking the Forms and Methods of Carrying out</u> <u>Combat</u> Operations

"The very 'rules of war' have changed. The role of **nonmilitary means of achieving political and strategic goals** has grown, and, in many cases, they have **exceeded the power of force of weapons** in their effectiveness. ... All this is supplemented by military means of a concealed character."







2013 "Big Data Security" Warnings/Presentations

"On a Friendster social network consisting of 5.6 million nodes and 28 million edges we found a seed set in under 3.6 hour" - US Army, Sep 2013







2013 US Army: Seed Sets that Scale to Very Large Network

"...desired output is the smallest possible set of individuals (seed set) such that, if initially activated, the entire population will become activated..."

- West Point Military Academy, Network Science Center, Paulo Shakarian et al.

Abstract In a "tipping" model, each node in a social network, representing an individual, adopts a property or behavior if a certain number of his incoming neighbors currently exhibit the same. In viral marketing, a key problem is to select an initial "seed" set from the network such that the entire network adopts any behavior given to the seed. Here we introduce a method for quickly finding seed sets that scales to very large networks. Our approach finds a set of nodes that guarantees spreading to the entire network under the tipping model. After experimentally evaluating 31 real-world networks, we found that our approach often finds seed sets that are several orders of magnitude smaller than the population size and outperform nodal centrality measures in most





2018 Only 1% of Social Accounts Needed to Impact



Jonathon Morgan 🤣

@jonathonmorgan

This is important. In our research, coordinated messaging by just 1-2% of the accounts in an online community can manipulate that community's discourse.

election period, Through our appoint and analysis, we have identified 13.512 additional accounts, for a rotal of 30,335 automated ecounts that we bent find as Tuasian-Infoed and Twenting election estated content clears the election period, representing concessionals in two onehand accounts an apercent (0,010%) of the total account as Tuasian of the time. However any such activity Clint Watts 🥝 @selectedwisdom

"Just 50,000 accounts tweeting the same message about the election at roughly the same time, it's nothing big" ITS COMPUTATIONAL PROPAGANDA & it works, stop minimizing

Show this thread

4:23 PM - 19 Jan 2018





2018 "I can get you 10K votes in MI no problem"



Based on @Twitter updated #'s, if u give me 3 yrs,4K accounts, 13K bots, 100s FB accts, Ads, RT, Sputnik, hacking DNC/DCCC/Powell/Podesta/Breedlove, dumps Wiki/DCLeaks, fringe outlets & Trump team members retweeting/repeating what I say - I can get u 10K votes in MI - no problem

5:37 AM - 20 Jan 2018

735 Retweets 1,584 Likes







2018 RU Engaged in Grey Battles



Kate Starbird 🥝

@katestarbird

When Twitter released the 1st batch of accounts related to the RU-IRA troll factories, we cross-referenced those with our #BlackLivesMatter ***** & #BlueLivesMatter data and... some of the most active & most influential accounts ON BOTH SIDES were RU-IRA trolls. faculty.washington.edu/kstarbi/examin ...

11:53 AM - 20 Jan 2018

1,543 Retweets 1,805 Likes







Objective Fact: Advertising is Misinformation

"A 'game' that has victims rather than players, hardly can be called a game at all. Instead, it is an example of carefully crafted social engineering that allows attackers to transfer value (from victims to themselves) without proper authorization."

"Any system or network that has been optimized for

 advertisements has been implicitly optimized for spreading misinformation."

There's No Patch for Social Engineering

Decoding the Language of "African" Scam Letters



RSACONFERENCE2010



Harriet Ottenheimer, Kansas State University





GOP Deregulated Misinformation to Children

1984: removed limits to harmful children advertising, said adversaries must not be judged for content that targets receive

1988: vetoed overwhelming support for limits to harmful advertising, said any protection of children from harm would oppress rights of advertisers

- Congress: must address "ideological child abuse" risk
- Broadcasters: "we expected the President to sign it"
- POTUS: attackers must not be subject to "tastes of agency officials"



Context: Reagan Big Proponent of Tyranny



Assured Habre that US would help him with his "laudatory goals" as he committed crimes against humanity in Chad,



http://www.metroactive.com/papers/metro/05.22.97/cover/mobutu-9721.htm http://www.presidency.ucsb.edu/ws/?pid=34455I



10y Later Deregulation of Misinformation = Polarized

• 1996 Telecommunications Act

- Near-total rollback of 1934 US gov effort to stop Nazi (America First) propaganda
- Politicians claimed "innovation" would come from deregulation
- Introduction of FOX News



- 2015 Assessment of Act
 - Harmful monopolies created, massive and historic consolidation of US media
 - Large (FOX and NBC) replaced small, independent TV stations and cable news channels
 - "Structural media changes caused US attitude polarization"

"...news use contributes to increasing levels of affective polarization in US"



https://news.wsu.edu/2015/09/24/study-links-u-s-polarization-to-tv-news-deregulation/ http://businessinsider.com.au/these-6-corporations-control-90-of-the-media-in-america-2012-6



"Grey Zone" (Subtle) Methods for Strategic Objective

Threat Definition:

Adversaries unable/unwilling to expend resources on conventional means, who still want to achieve a strategic objective, develop ways to erode stability/order and paralyze responses through ambiguous/deceptively aggressive actions (tactical operations that avoid alarm).



- Wants post-Vietnam conflict with USSR
- Seeks inexpensive "No-Win War" in "South"
 - \$100m cost of stable "win" deemed too visible, requiring oversight
 - \circ $\$ \$14m budgeted for Angola subversion, hidden from US public





Twitter Attempting Ad "Transparency Center" to Expose Grey Zone Attacks:

- all ads currently on site including "promoted-only"
- how long have run
- targeted at specific users
- all political ads and their buyer using clear label





Caveat: "New" Methods May Be Easily Bypassed (Timing Attacks)

After the 2016 election, we launched our Information Quality initiative to further develop strategies to detect and prevent bad actors from abusing our platform. We have since made significant improvements, while recognizing that we have more to do as these patterns of activity develop and shift over time.

With our current capabilities, we detect and block approximately 523,000 suspicious logins daily for being generated through automation. In December 2017, our systems identified and challenged more than 6.4 million suspicious accounts globally per week— a 60% increase in our detection rate from October 2017. We have developed new techniques for identifying malicious automation (such as near-instantaneous) eplies to Tweets, non-random weet timing, and coordinated engagement). We have improved our phone





So What Happens After Transparency? (Regulation: Authorization of Data Judgement)

Choose wisely:

Enhanced Privacy Mode

Who can see your Training Log?

Who can see your activity on Strava Labs Flyby?

- 1) Minority rule via technology-savvy secret police?
- 2) Opening back doors (anon) for (flash) mob entry?
- 3) Democratic law-based open-governance model?







· Help us better paint the picture of the world of Strava.

Learn more about these features and the ways in which we protect user privacy.

Include my anonymized public activity data in Strava Metro and the Heatmap.



On

Everyone

Nobody

https://twitter.com/Matt_Cagle/status/957748059651231744 https://twitter.com/xntrik/status/957800013731545088



"If black shoot them"

-- Facebook messages leaked from US Police Chief

"...instructed a police recruit to shoot black teenagers on sight if caught smoking marijuana, according to court documents.

'Fuck the right thing. If black shoot them' ...part of what the Jefferson County attorney's office described as a pattern of '<u>highly disturbing</u> <u>racist and threatening Facebook</u> <u>messages</u>' from Shaw.

"...responsibility lends itself to a higher level of **public scrutiny**. While the court understands how embarrassing the documents may be to Shaw personally, they are not of the private nature intended to be shielded from public disclosure. The documents reveal opinions and prejudices that bring into question Shaw's integrity as a law enforcement officer who has been entrusted to serve and protect all members of society."

-- Kentucky Judge

https://www.theguardian.com/global/2018/jan/22/if-black-shoot-them-former-kentucky-acting-police-chief-instructed-a-recruit





Regulated arency

Google (Prematurely?) Claims Massive Security Win

"99% of apps with abusive contents were identified and rejected *before anyone could install*"

"significant improvements in our ability to detect abuse - such as impersonation, inappropriate content, or malware - through new machine learning models and techniques"









While Facebook Gets Breached Again and Again Because...



Mark Zuckerberg promised "a series of updates to show more high quality, trusted news" 48 hours ago.

Today, random people's posts about how Hillary Clinton staged the Amtrak crash showed up in a curated Trending section. added 2 new photos.

1 hr · Pensacola · 🚱

So who else got a notice from FB Big Brother saying that they removed all the pages you were watching that were tied to foreign interference with the 2016 election?!?! This is not FB's call to make!!! This is censorship and a flagrant abuse of our Constitutional right to freedom of speech!!! Notice one of the pages that was removed was "Veterans Come First". We need to split off from Facebook as it no longer allows freedom of speech for everyone; only those that agree with their point of view. This is wrong on so many levels! Afterthoughts: I would love to know all the pages that were deleted. An alternative viewpoint may be that FB is doing a CYA because the memo is about to come out and they are trying to distance themselves from the fallout. At this point its hard to determine their real motives. Either way they should remain unbiased.



WTF is this? what are the pages??? If they don't show the pages they remove how do we know if they are removing real pages???

Update on Foreign Interference in Elections

We removed fake accounts and Pages you may have followed that are associated with 2016 US election interference.

See Pages



https://gizmodo.com/facebook-users-cry-censorship-after-being-told-which-ru-1822552451 https://twitter.com/oneunderscore__/status/958810972604518400



...

REMEMBER Cyber Doesn't Kill People, Harvard-Trained People Kill People

Wouldn't it be cool if you could shoot somebody in the face at 200 kilometers and they don't even know you're there?



-- Harvard graduate who used to work at Pentagon, planning to enable driverless cars for killing the poor

https://www.defensenews.com/congress/budget/2018/01/30/selva-fy19-budgetsees-increasing-investments-in-ai-machine-teaming/



Unpoisoned Fruit:

2018

Seeding Trust into a Growing World of Algorithmic Warfare

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