



"Factful" Security

Bluehat Seattle 2019 | David "dwizzle" Weston | Microsoft OS Security Director

“Your smart fridge may kill you: The dark side of IoT”

“WhatsApp bug allowed hackers to steal files and messages with GIFs”

“Unpatchable bug in millions of iOS devices exploited”

Everything is getting worse.

“172 malicious apps with 335M+ installs found on Google Play”

“Multiple zero-day vulnerabilities found medical IoT devices”

“Ransomware cripples US emergency services, local governments”

“Critical "Meltdown" and "Spectre" Flaws Break Basic Security for Intel, AMD, ARM Computers”

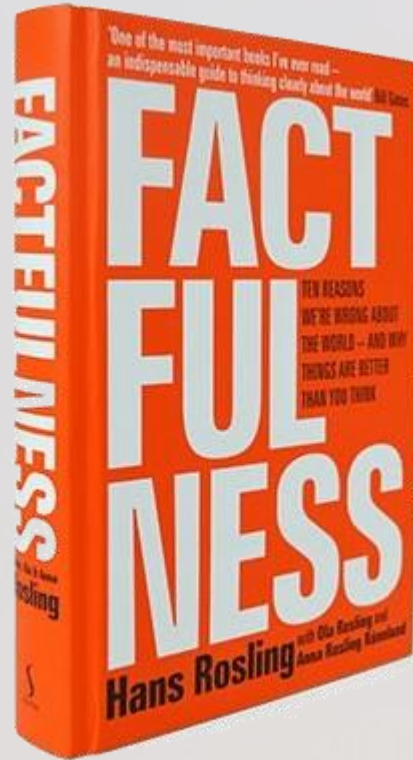
Have we made no progress?

Fear Instinct

(we pay more attention to scary things)

Negativity Instinct

(the belief that the world is bad and getting worse)



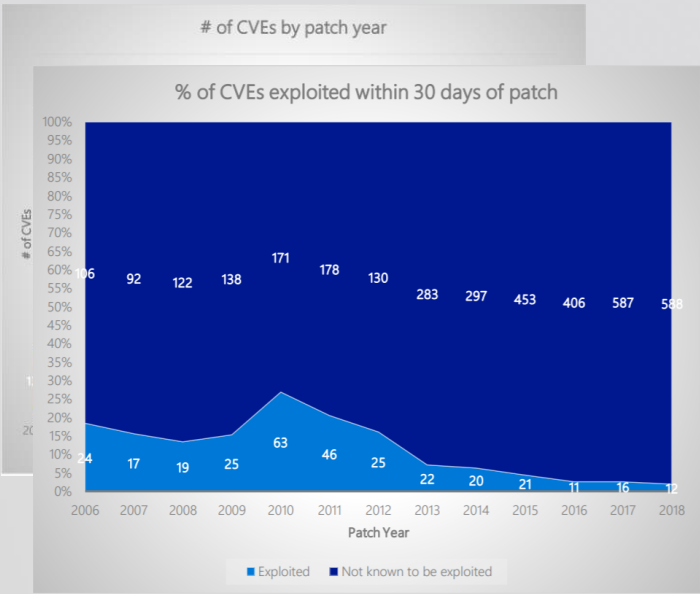
Size Instinct

(standalone numbers often look more impressive than they really are)

Single-Perspective Instinct

(simple explanations for complex problems)

Ten instincts that keep us from seeing the world “factfully”



Generalization Instinct

Tendency to mistakenly group together things or people



Fear Instinct

Our hardwired tendency to pay more attention to frightening things.



\$42+ million awarded to hackers through 2018 on HackerOne

Gap Instinct

Our tendency to divide things into two distinct and often conflicting groups

“In other words, the world can be both bad and better.” -- Bill Gates