Privacy could be the next big thing

Stuart Langridge @sil kryogenix.org



data collection... a bit creepy?









STRATEGY

The Incredible Story Of How Target Exposed A Teen Girl's Pregnancy



Target broke through to a new level of customer tracking with the help of statistical genius Andrew Pole, according to a New York Times Magazine cover story by Charles Duhigg.

Pole identified 25 products



allo







MESSAGING GOOGLE ARTIFICIAL INTELLIGENCE

Google's Allo app can reveal to your friends what you've searched

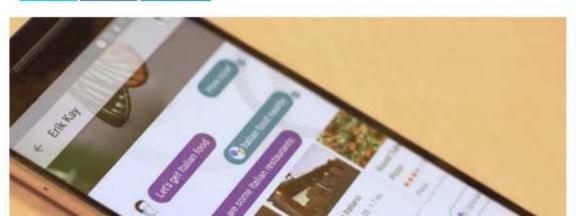
The mobile messaging app lets you include Google Assistant in conversations.

BY TESS TOWNSEND | MAR 13, 2017, 9:00PM EDT













Women less likely to be shown ads for high-paid jobs on Google, study shows

Automated testing and analysis of company's advertising system reveals male job seekers



BUSINESS

CULTURE

GADGETS

FUTURE

Facebook patent: Your friends could help you get a loan - or not

by Ananya Bhattacharya @CNNTech

(L) August 4, 2015: 6:58 PM ET



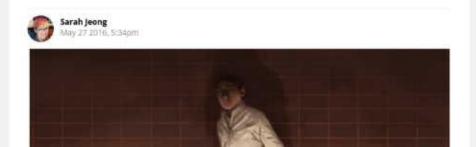


■ MOTHERBOARD



Uber Knows Too Much About You

The kind of data that Uber has access to—
even if it's not, say, the actual contents of your
email or the actual conversations you're
having on your phone—is extremely invasive.



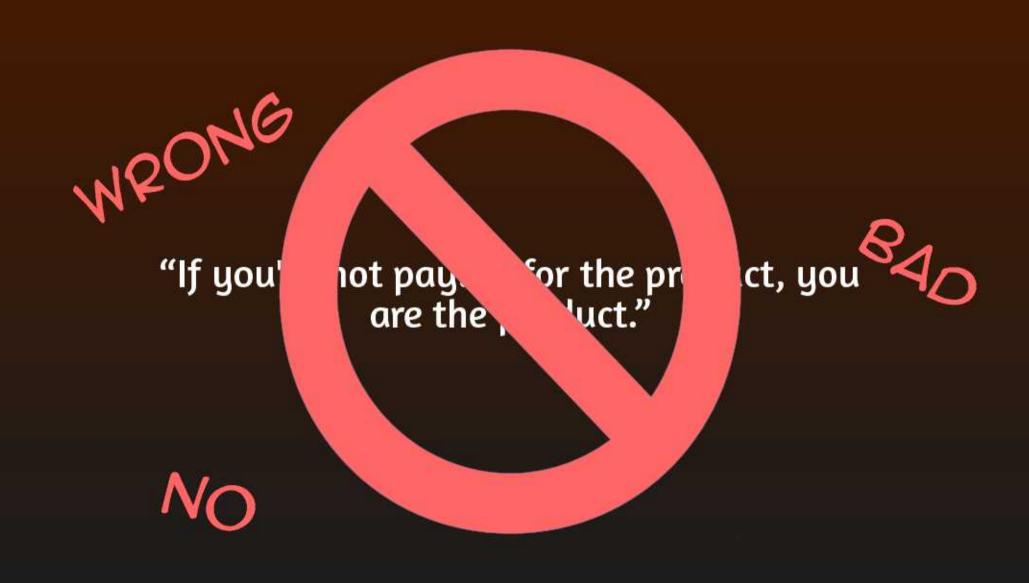


Isn't it great to live in the 21st century? Where deleting history has become more important than making it.

6:32 am - 15 May 2014



"If you're not paying for the product, you are the product."

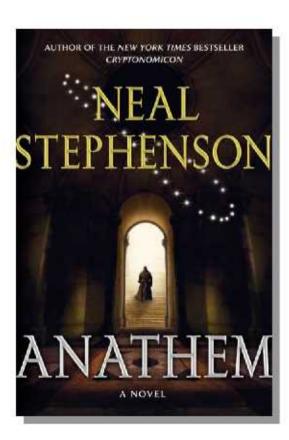


"There is no correlation between how much money users pay and how well they're treated."





creepy



aggregation





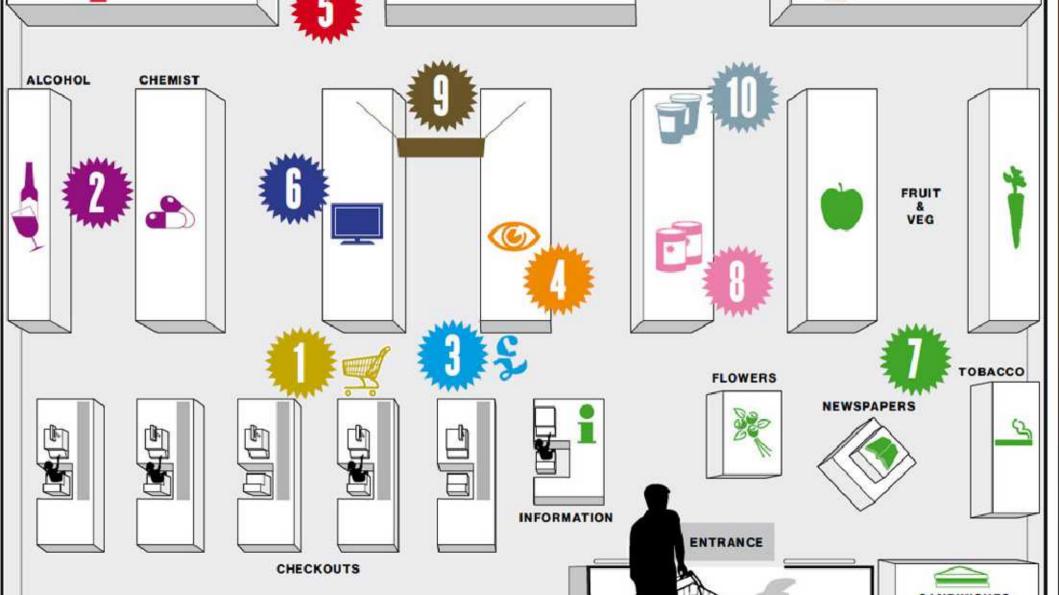






when you use it to deduce things you weren't told and shouldn't know

Your data collection is creepy







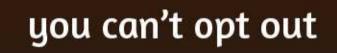




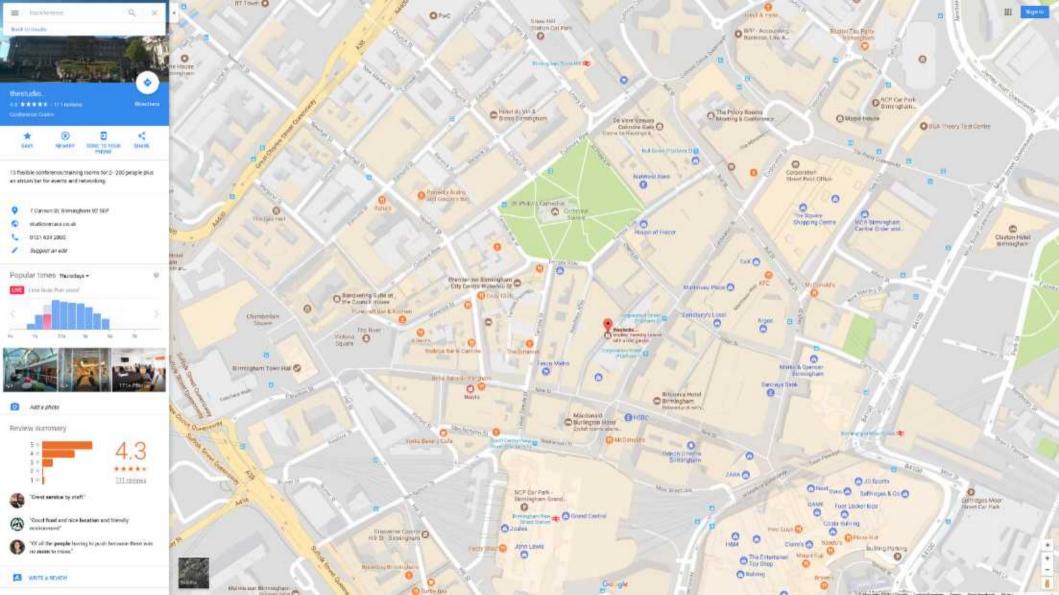
The statement of the sufficient of the supplementary of the supplementar

"Every aspect of a store's layout is designed to stimulate shopping serendipity"

trapped















"If you leave your phone behind, it's like missing limb syndrome"



THE TIMES OF INDIA INDIA

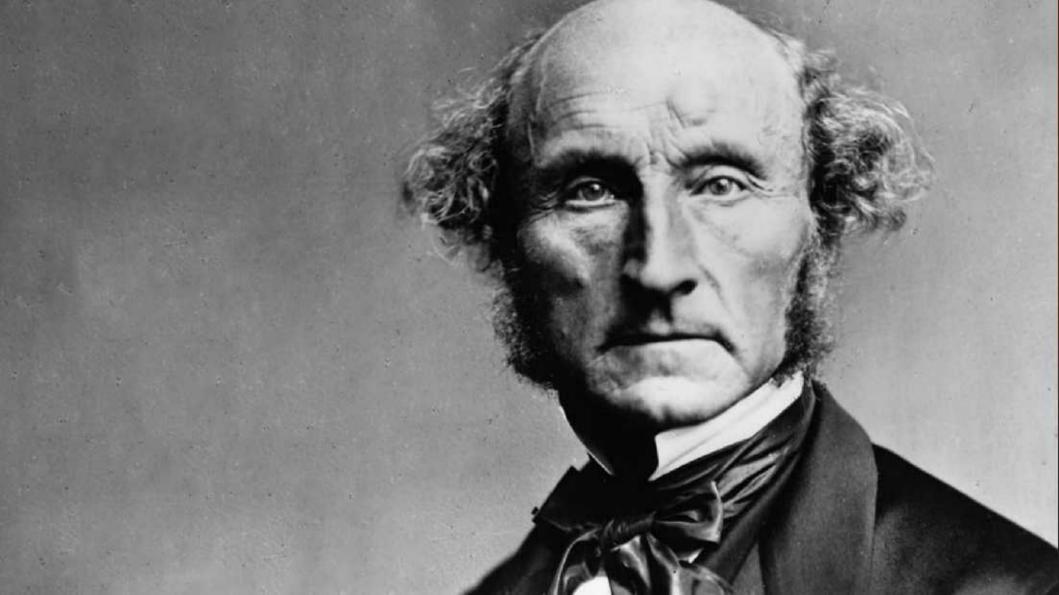
Right to Privacy is a fundamental right, it is intrinsic to right to life: Supreme Court

Dhananjay Mahapatra and Amit Anand Choudharyl TNN | Updated: Aug 24, 2017, 23:03:IST



HIGHLIGHTS

- The order affects all 134 crore includes
- The apex court overruled previous judgments on the privacy issue
- It overruled an eight-judge bench judgment in the MP Sharma case and a six-judge bench judgment in Kharak Singh case
- Both earlier judgments ruled that privacy is not a fundamental right.



"laws passed by governments are about the ninetieth most important restriction on our freedom of speech"





So....Mozilla knows, right, that "privacy" has never been an effective selling point for software? Like ever?

you can't reboot the public

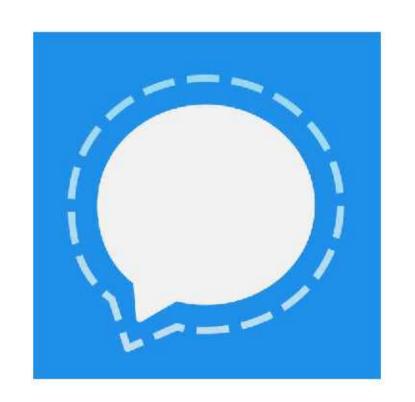
The children of the revolution were faced with the age-old problem:

it wasn't that you had the wrong kind of government, which was obvious, but that you

had the wrong kind of people

More than 70% of people would reveal their password in exchange for a bar of chocolate

technology is not the fix



matrix

Purism









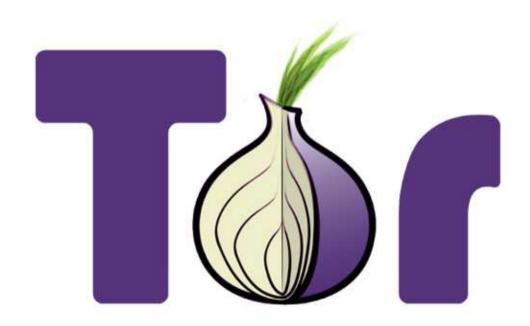


LastPass ****











"Freedoms are not being taken away; we are just afraid to use them"





the next ten years











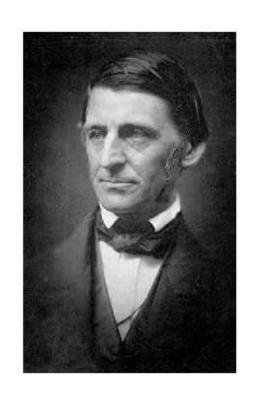
Transferred to the contract of the contract of

82% of people are not comfortable with the sale of their data to third-parties in exchange for speed or convenience or product range

Half of all people have avoided doing some basic stuff online because they have concerns about how their data will be used







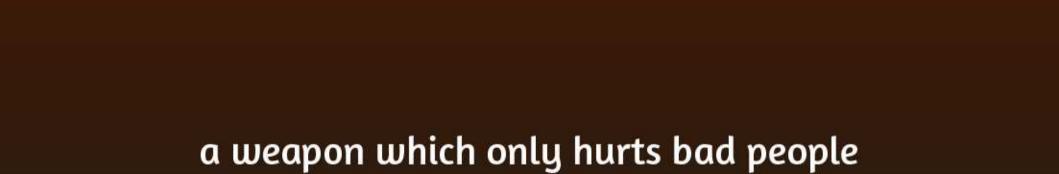




4,400

The way you overcome an incumbent business is by doing battle on a field that they can't

compete on



= thedailymash

Privacy experts too paranoid even for lunch

29-08-14



The UK's top authorities on privacy law



how?

-/_(ツ)_/-

differential privacy



since Z(D) is the mid-point between the two. Thus, the statement holds even over pairs of the form (r,0). This proves Lemma 2.

Proof (Proof of Claim 1). Let p^* be the minimum over x of p(z|x). Let $q_x = p(z|x) - p^*$ and $\bar{q} = p(z) - p^*$. The variance of $\hat{p}(z)$ is the same as the variance of $\hat{p}(z) - p^*$. We can write $\hat{p}(z) - p^*$ as $\frac{2}{2^d} \sum_x q_x \chi_0(x)$, where $\chi_0(x)$ is 1 if $x \in D_{r,b}$.

 $4\sqrt[3]{12\epsilon^2 2^{-d}}$, for at least a $1-\alpha$ fraction of the pairs (r,b). The bit b is unimportant

here since it only switches D_r and its complement D_r . The distance between

 $Z(D_r)$ and Z(D) is exactly the same as the distance between $Z(D_r)$ and Z(D),

The expectation of $\hat{p}(z) - p^*$ is \bar{q} , which we can write $\frac{1}{2^d} \sum_x q_x$.

 $\operatorname{Var}_{r,b}[\hat{p}(z)] = \mathbb{E}_{r,b}\left[\left(\frac{2}{2^d}\sum_{x}q_x\chi_0(x) - \frac{1}{2^d}\sum_{x}q_x\right)^2\right] = \mathbb{E}_{r,b}\left[\left(\frac{1}{2^d}\sum_{x}q_x\left(2\chi_0(x) - 1\right)\right)^2\right] \\
\operatorname{Now}\left(2\chi_0(x) - 1\right) = (-1)^{r \odot x \oplus b}. \text{ This has expectation 0. Moreover, for } x \neq y, \\
\operatorname{the expectation of }\left(2\chi_0(x) - 1\right)\left(2\chi_0(y) - 1\right) \text{ is exactly } 1/2^d \text{ (if we chose } r \text{ with } 1/2^d \text{ (if we chose } r \text{ with } 1/2^d).}$



help understand

It's not OK that you're made to feel uncomfortable



it's us

change the story

UX

explain





@sil