

NOTHING TO HIDE  
should we fix privacy?

Some citizens complain about being under surveillance, but they are told that if they have nothing to hide, they have nothing to fear.

Still, news media regularly cover cases where citizens with unusual behaviour are put on suspicion lists, even though they have broken no laws.



$\forall(x \in \text{criminal}) \rightarrow x \in \text{hidden}$

~~$\vdash$~~

$\forall(x \in \text{hidden}) \rightarrow x \in \text{criminal}$

# Schrödinger's video camera



NOTHING TO HIDE

@KirilsSolovjovs, 2019. <https://kirils.org>

# What even is privacy?

- Autonomous right to choose
  - who processes my info
  - how is my info processed
  - what info is processed
- Right to decide who I interact with
  - right to be left alone



## 35C3 ChaosWest - Toll of personal privacy in 2018

916 views • Published on Dec 28, 2018

28 3 SHARE SAVE ...



# Reactions



Botho Hohbaum 8 months ago

5 thumbs Up. I'm feeling like you with recaptcha.



Yugen 8 months ago

Interesting and also not worth it at all. Your time on this planet is limited you know.

It's pointless anyway, you  
have a phone / are on  
twitter / blah blah.

Why are you presenting  
this without a face mask?

Got nothing to hide?

Got nothing to hide?

- Data hoarding →
  - Blackmail, impersonation

Got nothing to hide?

- Today's authority might become totalitarian or inhumane

Got nothing to hide?

- Herd immunity  
many people not hiding anything  
make the few stand out more and draw suspicion

# Privacy nightmares

# “Privacy is dead” – 2018





Geeknik Labs 📱📺

@geeknik

Follow



Chinese schools scanning children's brains to see if they are concentrating



**Chinese schools scanning children's brains to see if they are**

Headbands that monitor concentration by reading brain signals have been trialled on thousands of Chinese schoolchildren. The devices could soon be used on milli...

[independent.co.uk](https://www.independent.co.uk)



# Generation with no need for privacy



This school uses facial recognition to let in students!

Itsmeaidil

13 Jun 2019, QUARTZ

Movement tracking

NOTHING TO HIDE

CASH IS KING

# Why Hong Kong's protesters were afraid to use their metro cards

By Mary Hui • June 13, 2019



Inconvenience.

2019. <https://kirils.org>

People getting more aware. Yay!

# “Data reuse”

expectation of privacy on Facebook. The simple act of using Facebook, Snyder claimed, negated any user’s expectation of privacy:

There is no privacy interest, because by sharing with a hundred friends on a social media platform, which is an affirmative social act to publish, to disclose, to share ostensibly private information with a hundred people, you have just, under centuries of common law, under the judgment of Congress, under the SCA, negated any reasonable expectation of privacy.

An outside party can’t violate what you yourself destroyed, Snyder seemed to suggest. Snyder was emphatic in his description of Facebook as a sort of privacy anti-matter, going so far as to claim that “the social act of broadcasting your private information to 100 people negates, as a matter of law, any reasonable expectation of privacy.” You’d be hard-pressed to come up with a more elegant, concise description of Facebook than “the social act of broadcasting your private information” to people. So not only is it Face-

# Suicide prevention

When someone is expressing thoughts of suicide, it's important to get them help as quickly as possible. Because friends and family are connected through Facebook, we can help a person in distress get in touch with people who can support them. For years, people have had the ability to report Facebook posts that they feel indicate someone is thinking about suicide. This flags the posts for review by trained members of our Community Operations team, who can connect the poster with support resources if needed.

Last year, we began to use machine learning to expand our ability to get timely help to people in need. This tool uses signals to identify posts from people who might be at risk, such as phrases in posts and concerned comments from friends and family.



Suicide prevention

Signals



So much sadness

Are you ok?

**Post details**  
e.g. post type, time posted, day posted

Classifiers<sup>1</sup>

Main text classifier

```
{  
  "so": 0.01,  
  "much": 0.02,  
  "sadness": 0.90,  
  "so much": -0.3,  
  "much sadness": 0.88,  
  "so much sadness": 0.99, 0.892  
  "s": 0.02,  
  "o": 0.04,  
  "m": -0.01,  
  "u": -0.09,  
  ...  
}
```

Comment classifier

```
{  
  ... 0.822  
}
```

Random forest learning algorithm<sup>3</sup>

Post flagged for additional review

Reviewed by Community Operations

Take Action

Send tips + resources  
Escalate to local authorities in serious situations



Can we help?

If you're going through a difficult time and want support, we'd like to help.



**Talk to a friend**

Message or call someone you trust.



**Talk with a helpline volunteer**

Call or text a trained helper who can listen and support you.



**Get tips and support**

See suggestions for ways to support yourself.

THE DATING GAME —

# Facebook dating is now available in the US. Here's how it works

Rollout includes new updates, including safety features, more Instagram integration.

LOUISE MATSAKIS, WIRED.COM - SEP 7, 2019 7:48 PM UTC





CCTV

**SECURE BENEATH THE WATCHFUL EYES**

CCTV & METROPOLITAN POLICE  
ON BUSES ARE JUST TWO WAYS WE'RE  
MAKING YOUR JOURNEY MORE SECURE  
For additional details, call 020 7222 1234  
or visit [www.tfl.gov.uk](http://www.tfl.gov.uk)

MAYOR OF LONDON

Buses are getting better

*More CCTV  
means more  
security for you*

We want you and your possessions to be safe with us. So we've put more CCTV cameras on stations and trains and built a new Control Centre to monitor them.

expect more [www.southernrailway.com/yourviews](http://www.southernrailway.com/yourviews)

**General Information**

**Network Rail**

**We're watching out for you**

For your safety this station has 24 hour CCTV coverage

If you need help please speak to one of our staff or call the helpline on 08457 11 41 41

NOTHING TO HIDE

# Facial recognition



The man was fined £90 for pulling his jumper up over his chin and mouth (Picture: BBC Click)

**A man was fined £90 for refusing to show his face to police trialling new facial recognition software.**

The man pulled his jumper up above his chin as he walked past **Met Police officers trialling Live Facial Recognition** software in east London.

# The end-of-end-to-end-encryption

# "warrant-proof encryption"

GCHQ has suggested that tech firms' communication services should be able to surreptitiously add intelligence agents to conversations or group chats'Five Eyes' member countries have called for technology firms to help intelligence agencies by providing them with special, backdoor access to WhatsApp and other encrypted communications.

The group has also warned that failing to do so would put lives of thousands of people at risk.

"The Five Eyes are united that tech firms should not develop their systems and services, including end-to-end encryption, in ways that empower criminals or put vulnerable people at risk," British home secretary, Priti Patel, said at the conclusion of the two-day meeting of Five Eyes member countries in London.



Type keywords to find answers

## Rooted phones and custom ROMs

Custom ROMs and rooted phones aren't supported by WhatsApp. There are too many variations in these customizations for us to maintain a working product. Furthermore, custom ROMs and rooting don't allow the WhatsApp security model to function as intended. If you're using a custom ROM or rooted phone, your messages won't be protected with end-to-end encryption.

For the best WhatsApp experience, please use a stock ROM and remove root. Contact your phone's manufacturer for specific instructions on how to unroot.

No secure apps, please

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HOME VIDEOS INDIA MOVIES TECH SPORTS FACT CHECK NEWSMO TRENDING SAFAIGIRI AWARD

News / Technology / News /

# WhatsApp tells users to install official app, warns people using modified apps will be blocked

*WhatsApp on its official has warned people of account ban if they use altered versions of WhatsApp like GBWhatsApp and WhatsApp Plus.*



Priya Pathak 

New Delhi


March 7, 2019 UPDATED: March 9, 2019 10:54 IST




NOTHING TO HIDE

@KirilsSolovjovs, 2019. <https://kirils.org>

## About Temporarily Banned Accounts



If you received an in-app message stating your account is “Temporarily banned” this means that you’re likely using an unsupported version of WhatsApp instead of the official WhatsApp app. If you don’t switch to the official app after being temporarily banned, your account might be permanently banned from using WhatsApp.



Unsupported apps, such as WhatsApp Plus, GB WhatsApp, or apps that claim to move your WhatsApp chats between phones, are altered versions of WhatsApp. These unofficial apps are developed by third parties and violate our [Terms of Service](#). WhatsApp doesn’t support these third-party apps because we can’t validate their security practices.

### How to switch to the official WhatsApp app

You might need to backup your chat history before moving to the official WhatsApp app. The name of the unsupported app you’re using determines whether you need to transfer your chat history. Locate the name of the app by tapping **More Options** > **Settings** > **Help** > **App info**. Follow the steps below based on the name of the app: WhatsApp Plus or GB WhatsApp.

GDPR



# THE RIGHT TO KNOW WHO IS PROCESSING WHAT, AND WHY

GDPR rights

When processing your data organisations have to provide you with clear information relating to the use of your data, this includes information such as:

- for what purposes your data will be used
- the legal basis for processing your data
- how long your data will be stored
- with whom they'll share your data
- your basic data protection rights
- whether your data will be transferred outside the EU
- your right to lodge a complaint
- how to withdraw your consent, if you have given it
- the contact details of the organisation responsible for processing your data and their Data Protection Officer if there is one.

This information should be presented in **clear** and **plain** language.

Personal data can only be collected and processed for a well-defined purpose. When collecting your data a company must tell you what purpose your data will be used for. They must also make sure that only relevant data is processed and the data is not kept longer than necessary.

## ***Bought something online?***

The seller must collect only the data needed to fulfil the contract. They must also provide you with the information listed above, and delete the data when they no longer need it.

# THE RIGHT TO OBJECT

If an organisation is processing your personal data you may have the right to object. However, in some circumstances, public interest may prevail. For example, this could be the case for scientific or historical research.

You also have the right to object at any time to receiving direct marketing.

## *Fed up of ads?*

You bought two tickets online to see your favourite band play live. Afterwards, you're bombarded with adverts for concerts and events that you're not interested in. You inform the online ticketing company that you don't want to receive further advertising material. The company should stop processing your data for direct marketing and, shortly afterwards, you should no longer receive emails from them. They shouldn't charge you for this.

# THE RIGHT TO HAVE DATA DELETED AND TO BE FORGOTTEN

GDPR rights

Where your consent has been requested to process your data, you can ask the organisation to stop processing it by withdrawing your consent. They must do so if they've not relied on any other legal grounds for processing your data. It must be as easy to withdraw consent as it is to give it.

If your data is no longer needed or is being processed unlawfully then you can ask for the data to be erased. However other EU rights, like freedom of expression, must also be safeguarded. Controversial statements made by people in the public eye, for example, may not automatically be deleted if the public interest is best served by keeping them online.

Organisations must delete personal data collected from a child that is processed through an app or a website on request.

## ***Search results irrelevant?***

When you type your name into an online search engine, the results include links to an old newspaper article about a debt you paid long ago. If you're not a public figure and your interest in removing the article outweighs the general public's interest in accessing the information, the search engine is obliged to delete the links.

# THE RIGHT TO ACCESS YOUR DATA

You have the right to request access to the personal data an organisation has about you, free of charge, and obtain a copy in an accessible format.

GDPR rights

## *Apps asking too much?*

You bought a fitness tracker and subscribed to a health app that monitors your activity. You can ask the app operator for all the information processed on you. This includes all subscription data (such as your name and contact details where relevant) and all information collected about you through the tracker (such as heart rate, performance, etc.).

## *Want to see what an e-shop knows about you?*

You've bought goods from an online retailer. You can ask the company to give you the personal data they hold about you, including: your name and contact details, credit card information and dates and types of purchases.



# THE RIGHT TO MOVE YOUR DATA

GDPR rights

If your data is used by a company after you gave your consent or signed a contract, then you can ask for it to be returned to you or transmitted to another company whose services you would like to use – this is called the right to ‘data portability’. The original supplier, such as a social media company, bank or even healthcare provider, has to transmit the data to the new supplier. Moving data should help you access other markets and suppliers more easily, and so give you more choice.

## *Found a cheaper supplier?*

You’ve found a cheaper electricity supplier. You can ask your existing supplier to transmit your data directly to the new supplier, if it’s technically feasible. In any case, they must return your data to you in a commonly-used and machine readable format so that it can be used on other systems.

# THE RIGHT TO CORRECT YOUR DATA

GDPR rights

Errors in your personal data can have a significant impact on your life, particularly when applying for loans, insurance, credit and so on.

If you believe that personal data held by an organisation might be incorrect, incomplete or inaccurate you can ask for it to be corrected. This must be done without undue delay.

## *Incorrect data costing you?*

You apply for a new insurance policy but notice the company mistakenly records you as a smoker, increasing your life insurance payments. You have the right to contact them and get this corrected.

# THE RIGHT TO HAVE A SAY WHEN DECISIONS ARE AUTOMATED

Some organisations, such as banks, tax offices and hospitals, use algorithms to make decisions about you using your personal data. It's efficient for them, but not always transparent and these decisions may affect you legally or have another significant impact on your life. In those cases, organisations must:

- tell you if their decision is automated
- give you the right to have the automated decision reviewed by a person
- let you contest the automated decision.

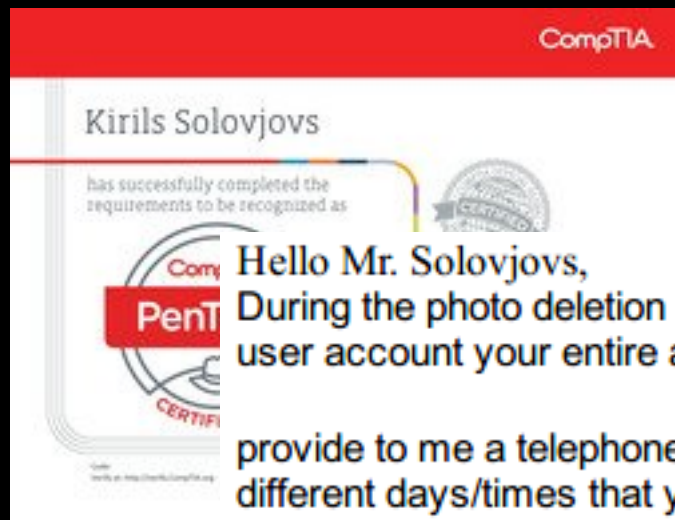
Automated decisions are allowed in some circumstances, for example when a particular law allows it.

## *Applying for a loan?*

You apply for a loan with an online bank. You are asked to insert your data and the bank's algorithm tells you whether the bank will grant you the loan and gives the suggested interest rate. You must be informed that you may: express your opinion; contest the decision; and ask for a person's input in the process to review the algorithm's decision.

# New stories from a privacy zealot





Hello Mr. Solovjovs,

During the photo deletion process you requested in your user account your entire account was deleted on our system.

I kindly request that you please provide to me a telephone number that we may call you at and a few different days/times that you will be available so that we may have a customer service agent call you to assist you in adding a new username to your

to you for this error and want to assure you that pride in our client and test taker relationships.

I sincerely apologize  
takes





## We kinda need that ...

We use contacts to show you which friends use Socratic too. No spam, we promise!

[Go to settings](#)

## "Socratic" Would Like to Access Your Contacts

It's only for chatting about homework, don't worry 🧐

[Don't Allow](#)

[OK](#)



## Enable location services

We can't show your pickup point on map because you have disabled location services. Please turn it on for better experience.

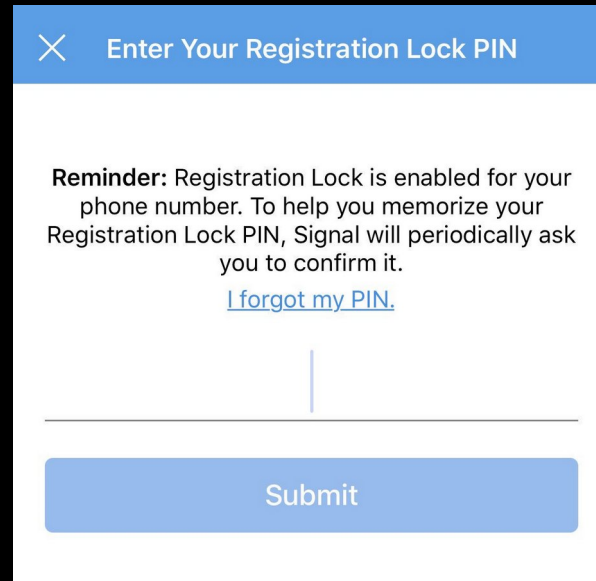
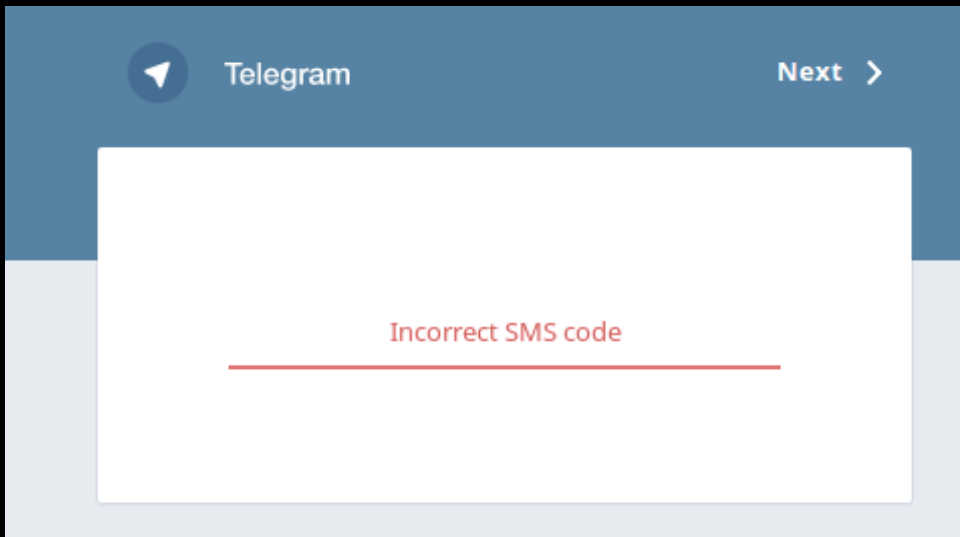
[TURN ON LOCATION SERVICES](#)

[SET PICKUP MANUALLY](#)

## Yandex.Taxi "privacy" policy

User interaction with interface elements: scrolling, clicking, and interacting with the menu.	To improve app performance quality.	The app cannot function without access to this data. If you do not wish to transmit this data, do not use Yandex.Taxi.
Device technical characteristics: model, manufacturer, operating system name and version, screen size, sensor information, device identifiers.	To improve app performance quality.	The app cannot function without access to this data. If you do not wish to transmit this data, do not use Yandex.Taxi.
Android operating system characteristics: amount of disk space, system settings, list of installed applications.	To improve app performance quality.	The app cannot function without access to this data. If you do not wish to transmit this data, do not use Yandex.Taxi.

# Messaging anonymously



## App Store & iTunes Gift Cards by Email

Give them the gift of apps, books, TV shows, 50 million songs, and more. Cards can be used on the iTunes Store, the App Store, and Apple Books, and toward Apple Music subscriptions. Personalize it with a gift message and your choice of denomination.

Select a design



\$0.00

Add to Bag

**LŪDZAM AIZPILDĪT PIRMS IZSTĀDES APMEKLĒJUMA**  
**PLEASE, FILL IN BEFORE VISITING THE EXHIBITION**  
**ПРОСИМ ЗАПОЛНИТЬ ПЕРЕД ПОСЕЩЕНИЕМ ВЫСТАВКИ**

**Rīga Food 2004**

**Vārds, uzvārds / First name, family name / Имя, фамилия**  
 KIRILS, SOLOVJOVS

**Firmas nosaukums / Company / Название фирмы**  
 \_\_\_\_\_

**Darbības sfēra / Profile / Сфера деятельности**  
 \_\_\_\_\_

**Adrese / Address / Адрес**  
 RĪGA, BRĪTVĪBAS 25-4

**Tālrunis, fakss, e-pasts / Tel, fax, e-mail / Телефон, факс, э-почта**  
 \_\_\_\_\_

**Sadarbībā ar / In collaboration with / В сотрудничестве с:**

Latvijas Republikas Zemkopības ministrija	Ministry of Agriculture of the Republic of Latvia	Министерством земледелия Латвийской Республики
Latvijas Pārtikas centrs	Latvian Food Centre	Латвийским центром продовольствия
Latvijas Pārtikas uzņēmumu federācija	Latvian Federation of Food Enterprises	Латвийской федерацией предприятий пищевой промышленности
Latvijas Tehnoloģisko centru	Latvian Technological Centre	Латвийским технологическим центром
SO Mārketinga padome	PO Marketing Council	ОО Советом по маркетингу
IRC Latvia	IRC Latvia	IRC Latvia
Latvijas Pavāru un kondītoru apvienība	Latvian Cooks and Confectioners Association	Латвийским объединением поваров и кондитеров

**Ar šo ielūgumu Jūs varat apmeklēt Latvijas pavāru un kondītoru čempionātu.**  
**This invitation entitles you to visit the Latvian Cooks and Confectioners Championship.**  
**С данным пригласительным билетом Вы можете посетить параллельно проходящий чемпионат поваров и кондитеров Латвии.**

# Getting postal mail





# Airport scanners



NOTHING TO HIDE

@KirilsSolovjovs, 2019. <https://kirils.org>



Boarding passes in shops



Hey, let's make a barcode app for shopping!

Do we fix it or not?



- User demand -
- Cookie law -
- GDPR for “big data” -
- GDPR +

Who was that guy?



 @KirilsSolovjovs

Follow me! It's all English!

- A privacy zealot, obviously
- Lead researcher at Possible Security, Latvia
- Hacking and breaking things:
  - Network flow analysis & RE
  - Social engineering
  - Legal dimension