



Have you ever **read** a
privacy policy?



Why not?

What kinds of information do we collect?

Depending on which Services you use, we collect different kinds of information from about you.

Things you do and information you provide.

We collect the content and other information you provide when you use our Services, including when you sign up for an account, create or share, and message or communicate with others. This can include information in or about the content you provide, such as the location of a photo or the date a file was created. We also collect information about how you use our Services, such as the types of content you view or engage with or the frequency and duration of your activities.

Things others do and information they provide.

We also collect content and information that other people provide when they use our Services, including information about you, such as when they share a photo of you, send a message to you, or upload, sync or import your contact information.

Your networks and connections.

We collect information about the people and groups you are connected to and how you interact with them, such as the people you communicate with the most or the groups you like to share with. We also collect contact information you provide if you upload, sync or import this information (such as an address book) from a device.

Information about payments.

If you use our Services for purchases or financial transactions (like when you buy something on Facebook, make a purchase in a game, or make a donation), we collect information about the purchase or transaction. This includes your payment information, such as your credit or debit card number and other card information, and other account and authentication information, as well as billing, shipping and contact details.

Device information.

We collect information from or about the computers, phones, or other devices where you install or access our Services, depending on the permissions you've granted. We may associate the information we collect from your different devices, which helps us provide consistent Services across your devices. Here are some examples of the device information we collect:

- Attributes such as the operating system, hardware version, device settings, file and software names and types, battery and signal strength, and device identifiers.
- Device locations, including specific geographic locations, such as through GPS, Bluetooth, or WiFi signals.
- Connection information such as the name of your mobile operator or ISP, browser type, language and time zone, mobile phone number and IP address.

Information from websites and apps that use our Services.

We collect information when you visit or use third-party websites and apps that use our Services (like when they offer our Like button or Facebook Log In or use our measurement and advertising services). This includes information about the websites and apps you visit, your use of our Services on those websites and apps, as well as information the developer or publisher of the app or website provides to you or us.

Information from third-party partners.

We receive information about you and your activities on and off Facebook from third-party partners, such as information from a partner when we jointly offer services or from an advertiser about your experiences or interactions with them.

Facebook companies.

We receive information about you from companies that are owned or [more](#) about these companies and their privacy policies.

How do we use this information?

We are passionate about creating engaging and customized experiences for people. We use all of the information we have to help us provide and support our Services. Here's how:

Provide, improve and develop Services.

We are able to deliver our Services, personalize content, and make suggestions for you by using this information to understand how you use and interact with our Services and the people or things you're connected to and interested in on and off our Services.

We also use information we have to provide shortcuts and suggestions to you. For example, we are able to suggest that your friend tag you in a picture by comparing your friend's pictures to information we've put together from your profile pictures and the other photos in which you've been tagged. If this feature is enabled for you, you can control whether we suggest that another user tag you in a photo using the "Timeline and Tagging" settings.

When we have location information, we use it to tailor our Services for you and others, like helping you to check-in and find local events or offers in your area or tell your friends that you are nearby.

We conduct surveys and [research](#), test features in development, and analyze the information we have to evaluate and improve products and services, develop new products or features, and conduct audits and troubleshooting activities.

Communicate with you.

We use your information to send you marketing communications, communicate with you about our Services and let you know about our policies and terms. We also use your information to respond to you when you contact us.

Show and measure ads and services.

We use the [information we have](#) to improve our advertising and measurement systems so we can show you relevant ads on and off our Services and measure the effectiveness and reach of ads and services. [Learn more](#) about advertising on our Services and how you can [control](#) how information about you is used to personalize the ads you see.

Promote safety and security.

We use the information we have to help verify accounts and activity, and to promote safety and security on and off of our Services, such as by investigating suspicious activity or violations of our terms or policies. We work hard to protect your account using teams of engineers, automated systems, and advanced technology such as encryption and machine learning. We also offer easy-to-use security tools that add an extra layer of security to your account. For more information about promoting safety on Facebook, visit the [Facebook Security Help Center](#).

We use cookies and similar technologies to provide and support our Services and each of the uses outlined and described in this section of our policy. Read our [Cookie Policy](#) to learn more.

How is this information shared?

Sharing On Our Services

People use our Services to connect and share with others. We make this possible by sharing your information in the following ways:

People you share and communicate with.

When you share and communicate using our Services, you choose the audience who can see what you share. For example, when you post on Facebook, you select the audience for the post, such as a customized group of individuals, all of your Friends, or members of a Group. Likewise, when you use Messenger, you also choose the people you send photos to or message.

[Public information](#) is any information you share with a public audience, as well as information in your [Public Profile](#), or content you share on a Facebook Page or another public forum. Public information is available to anyone on or off our Services and can be seen or accessed through online search engines, APIs, and offline media, such as on TV.

In some cases, people you share and communicate with may download or re-share this content with others on and off our Services. When you comment on another person's post or like their content on Facebook, that person decides the audience who can see your comment or like. If their audience is public, your comment will also be public.

People that see content others share about you.

Other people may use our Services to share content about you with the audience they choose. For example, people may share a photo of you, mention or tag you at a location in a post, or share information about you that you shared with them. If you have concerns with someone's post, social reporting is a way for people to quickly and easily ask for help from someone they trust. [Learn More](#).

Apps, websites and third-party integrations on or using our Services.

When you use third-party apps, websites or other services that use, or are integrated with, our Services, they may receive information about what you post or share. For example, when you play a game with your Facebook friends or use the Facebook Comment or Share button on a website, the game developer or website may get information about your effectiveness of their advertising without providing information that personally identifies you, or if we have aggregated the information so that it does not personally identify you. For example, we may tell an advertiser how its ads performed, or how many people viewed their ads or installed an app after seeing an ad, or provide non-personally identifying demographic information (such as 25 year old female, in Madrid, who likes software engineering) to these partners to help them understand their audience or customers, but only after the advertiser has agreed to abide by our [advertiser guidelines](#).

Please review your [advertising preferences](#) to understand why you're seeing a particular ad on Facebook. You can adjust your ad preferences if you want to control and manage your ad experience on Facebook.

Vendors, service providers and other partners.

We transfer information to vendors, service providers, and other partners who globally support our business, such as providing technical infrastructure services, analyzing how our Services are used, measuring the effectiveness of ads and services, providing customer service, facilitating payments, or conducting academic research and surveys. These partners must adhere to strict confidentiality obligations in a way that is consistent with this Data Policy and the agreements we enter into with them.

How can I manage or delete information about me?

You can manage the content and information you share when you use Facebook through the [Activity Log tool](#). You can also download information associated with your Facebook account through our [Download Your Information tool](#).

We store data for as long as it is necessary to provide products and services to you and others, including those described above. Information associated with your account will be kept until your account is deleted, unless we no longer need the data to provide products and services.

You can delete your account any time. When you delete your account, we delete the information you have posted, such as your photos and status updates. If you do not want to delete your account, but want to temporarily stop using Facebook, you may deactivate your account instead. To learn more about deactivating or deleting your account, click [here](#). Keep in mind that information that others have shared about you is not part of your account and will not be deleted when you delete your account.

How do we respond to legal requests or prevent harm?

We may access, preserve and share your information in response to a legal request (like a search warrant, court order or subpoena) if we have a good faith belief that the law requires us to do so. This may include responding to legal requests from jurisdictions outside of the United States where we have a good faith belief that the response is required by law in that jurisdiction, affects users in that jurisdiction, and is consistent with internationally recognized standards. We may also access, preserve and share information when we have a good faith belief it is necessary to: detect, prevent and address fraud and other illegal activity; to protect ourselves, you and others, including as part of investigations; or to prevent death or imminent bodily harm. For example, we may provide information to third-party partners about the reliability of your account to prevent fraud and abuse on and off of our Services. Information we receive about you, including financial transaction data related to purchases made with Facebook, may be accessed, processed and retained for an extended period of time when it is the subject of a legal request or obligation, governmental investigation, or investigations concerning possible violations of our terms or policies, or otherwise to prevent harm. We also may retain information from accounts disabled for violations of our terms for at least a year to prevent repeat abuse or other violations of our terms.

How our global services operate

Facebook, Inc. complies with the US-EU and US-Swiss Safe Harbor framework for the collection, use and retention of information from the European Union and Switzerland, as set out by the Department of Commerce. To view our certification, visit the [Safe Harbor website](#).

As part of our participation in the Safe Harbor program, we will resolve disputes you have with us in connection with our policies and practices through TRUSTe. You can contact TRUSTe through [their website](#).

Facebook may share information internally within our family of companies or with third parties for purposes described in this policy. Information collected within the European Economic Area ("EEA") may, for example, be transferred to countries outside of the EEA for the purposes as described in this policy.

How will we notify you of changes to this policy?

We'll notify you before we make changes to this policy and give you the opportunity to review and comment on the revised policy before continuing to use our Services.

How to contact Facebook with questions

To learn more about how privacy works on Facebook, please check out [Privacy Basics](#). If you have questions about this policy, here's how you can reach us:

If you live in the US or Canada...

Please contact Facebook, Inc. [online](#) or by mail at:

Facebook, Inc.
 1601 Willow Road
 Menlo Park, CA 94025

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Communicate with you. We use your information to help us communicate with you about our Services and let you know about our policies and terms. We also use your information to respond to you when you contact us.

Show and measure ads and services.

We use the information we have to improve our advertising and measurement systems so we can show you relevant ads on and off our Services and measure the effectiveness and reach of ads and services.

Control advertising on our Services. We use your information to help you control advertising on our Services. For example, you can control how much information we use to show you ads, and you can control how much information we use to show you ads.

We use the information we have to help verify accounts and activity, and to promote safety and security on and off our Services, such as investigating suspicious activity or violations of our terms or policies. We work hard to protect your account information using secure systems, and advanced technology such as machine learning. We also offer easy-to-use security tools that add an extra layer of security to your account. For more information about promoting safety on Facebook, visit the Facebook Security Help Center.

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Public information is any information you share with a public audience, as well as information in your Public Profile, or content you share on a Facebook Page or another public forum. Public information is available to anyone on or off our Services and can be seen or accessed through online search engines, APIs, and offline media, such as on TV.

In some cases, people you share and communicate with may download or re-share this content with others on and off our Services. When you comment on another person's post or like their content on Facebook, that person decides the audience who can see your comment or like. If their audience is public, your comment will also be public.

People that see content others share about you.

Other people may use our Services to share content about you with the audience they choose. For example, people may share a photo of you, mention or tag you at a location in a post, or share information about you that you shared with them. If you have concerns with someone's post, social reporting is a way for people to quickly and easily ask for help from someone they trust. Learn More.

Apps, websites and third-party integrations on or using our Services.

When you use third-party apps, websites or other services that use, or are integrated with, our Services, they may receive information about what you post or share. For example, when you play a game with your Facebook friends or use the Facebook Comment or Share button on a website, the game developer or website may get information about your effectiveness of their advertising without providing information that personally identifies you, or if we have aggregated the information so that it does not personally identify you. For example, we may tell an advertiser how its ads performed, or how many people viewed their ads or installed an app after seeing an ad, or provide non-personally identifying demographic information (such as 25 year old female, in Madrid, who does not use our Services) to their advertiser. Advertisers may also be able to identify their audience by using our Services, but they are not required to do so. We do not share information about you with our advertisers.

Please review your advertising preferences to understand why you're seeing a particular ad on Facebook. You can adjust your ad preferences if you want to control and manage your ad experience on Facebook.

Use our Services with third-party partners.

We transfer information to vendors, service providers, and other partners who globally support our business, such as providing technical infrastructure services, to help us show how our Services are used, measuring the effectiveness of advertising, providing customer service, and other purposes. Our vendors, service providers, and other partners may use your information to provide their services, but they are not required to do so. We do not share information about you with our vendors, service providers, and other partners that is consistent with this Data Policy and the agreements we enter into with them.

How can I manage or delete information about me?

You can manage the content and information you share when you use Facebook through the Activity Log tool. You can also download information associated with your Facebook account through our Download Your Information tool.

We store data for as long as it is necessary to provide products and services to you and others, including those described above. Information associated with your account will be kept until your account is deleted, unless we no longer need the data to provide products and services.

You can delete your account any time. When you delete your account, we delete the information you have posted, such as your photos and status updates. If you do not want to delete your account, but want to temporarily stop using Facebook, you may deactivate your account instead. To learn more about deactivating or deleting your account, click here. Keep in mind that information that others have shared about you is not part of your account and will not be deleted when you delete your account.

How do we respond to legal requests or prevent harm?

We may access, preserve and share your information in response to a legal request (like a search warrant, court order or subpoena) if we have a good faith belief that the law requires us to do so. This may include responding to legal requests from jurisdictions outside of the United States where we have a good faith belief that the response is required by law in that jurisdiction, affects users in that jurisdiction, and is consistent with internationally recognized standards. We may also access, preserve and share information when we have a good faith belief it is necessary to: detect, prevent and address fraud and other illegal activity; to protect ourselves, you and others, including as part of investigations; or to prevent death or imminent bodily harm. For example, we may provide information to third-party partners about the reliability of your account to prevent fraud and abuse on and off of our Services. Information we receive about you, including financial transaction data related to purchases made with Facebook, may be accessed, processed and retained for an extended period of time when it is the subject of a legal request or obligation, governmental investigation, or investigations concerning possible violations of our terms or policies, or otherwise to prevent harm. We also may retain information from accounts disabled for violations of our terms for at least a year to prevent repeat abuse or other violations of our terms.

How will we resolve disputes about this policy?

As part of our participation in the Safe Harbor program, we will resolve disputes you have with us in connection with our policies and practices through TRUSTe. You can contact TRUSTe through their website.

Facebook matches information internally within our family of companies or with third parties for the purposes described in this policy. Information collected within the European Economic Area (EEA) may, for example, be transferred to countries outside of the EEA for the purposes described in this policy.

How will we notify you of changes to this policy?

We'll notify you before we make changes to this policy and give you the opportunity to review and comment on the revised policy before continuing to use our Services.

How to contact Facebook with questions

To learn more about how privacy works on Facebook, please check out Privacy Basics. If you have questions about this policy, here's how you can reach us:

If you live in the US or Canada...

Please contact Facebook, Inc. online or by mail at:

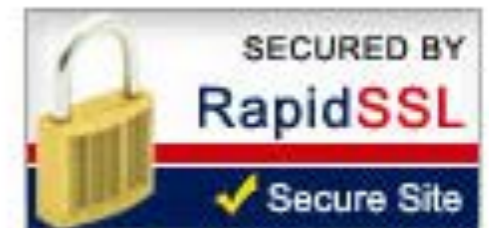
Facebook, Inc.
1601 Willow Road
Menlo Park, CA 94025

Facebook's privacy policy

> 2500 words

Flesch-Kincaid Reading Ease score: 48.8

Grade level: 13





Do these capture the **full extent** of privacy/security?





A photograph of two ducks on a rock. The duck on the left is a brown duck, and the duck on the right is a mallard duck with a blue head and yellow beak. The background is a soft, out-of-focus landscape.

Transparency paradox

(Nissenbaum 2011)

Simple privacy notices *aren't* useful,
but *detailed* notices are *too* complex.





Comics!

More **inviting** than text,
more **engaging** than video



Comics!

They are **comprehensible** and **memorable**
(not “gone in 15 seconds”)



Comics!

Inherently textured: high-level info via page layout; more detailed info in each panel



Comics!

Can be used as a uniform **style** for explaining
privacy across multiple products



Comics!

Extra advantage for people with
dyslexia or **low literacy**

Use case:

Google privacy policy

“Transparency and choice” section

<http://www.google.com/policies/privacy/#infochoices>

Planned studies:

Interview study

to **improve** the comics

Controlled experiment

to **test** against plain text and find the optimal length

Field trial

to see if the comics work in a **real life** setting

Field trial 2

to find the best comics for **low literacy** users

Experiment setup:

Delivery method:

Comic vs Text

Length:

Short vs. Medium vs. Long

Test / Observe:

Comprehension, engagement, satisfaction,
decision behavior, recall (follow-up)

Example: short text

“View and edit your preferences about the Google ads shown to you on Google across the web, such as which categories might interest you, using Ads Settings. You can also opt out of certain Google advertising services here.”

Example: long text

“Let’s say you want to view and edit your preferences about the types of Google ads shown to you across the web. You might want to make sure that these ads reflect your interests. Or if you find personalized ads creepy, you could opt out of personalized ads. You can visit Ads Settings to set your preferences on the types of advertisements you’d like to see. You can add a new interest. Even Google sites like YouTube, will provide ads related to your interests, which you can edit at any time. You can also opt out of Google’s advertising services, resulting in any type of ads being shown. By opting out, you will no longer be able to edit your interests. Also, all advertising interests associated with your Google account will be deleted.”

Example: short comic

View and edit your preferences about the Google ads shown to you on Google across the web, such as which categories might interest you, using Ads Settings. You can also opt out of certain Google advertising services here.

ADD NEW INTEREST

Shoes



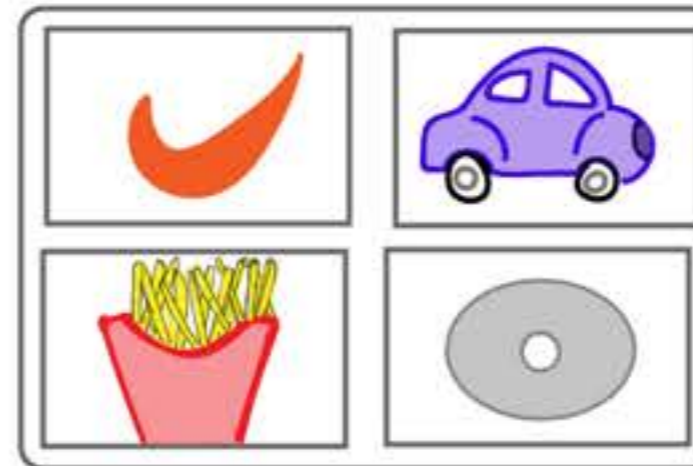
Example: long comic

Let's say you want to view and edit your preferences about the types of Google ads shown to you across the web.



I wonder how Google comes up with these advertisements on my account?

You might want to make sure that these ads reflect your interests.



I'm tired of seeing these ads that typically show up.

Or if you find personalized ads creepy, you could opt out of personalized ads.

You can visit Ads Settings to set your preferences on the types of advertisements you'd like to see.



I just bought shoes yesterday! Advertisements are showing me only shoes now!

Let's change your settings to something better.



You can add a new interest.

ADD NEW INTEREST

Superhero Movies

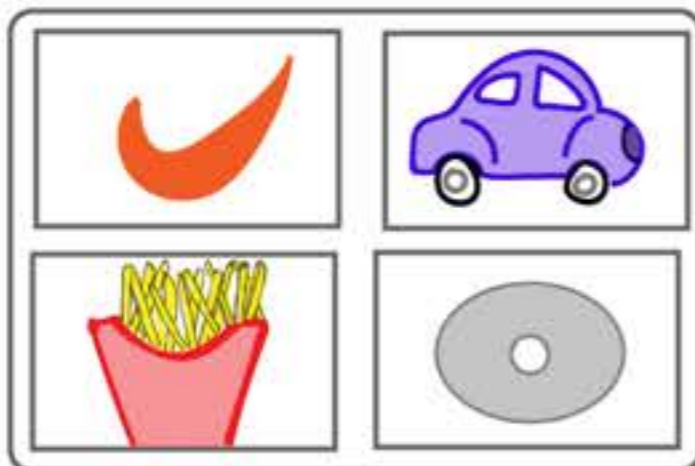
Even Google sites like YouTube, will provide ads related to your interests, which you can edit at any time.

You should watch:
Avengers Civil War!



You can also opt out of Google's advertising services, resulting in any type of ads being shown.

By opting out, you will no longer be able to edit your interests.



Since I've opted out, now they're back to random types of ads.

~~ADD NEW INTEREST~~

Also, all advertising interests associated your Google account will be deleted.

YOUR CURRENT INTERESTS ARE....

[Blank]

Future tests:

Drawing style

Use of color

Type of content

Text banners and speech bubbles

Number and size of panels

Narrative flow

Use of humor

...other ideas?

Current status:

Pre-testing the different comics

We would love to hear your **expert feedback!**

Link to comics:

<http://bit.ly/privcomics>

Link to position paper:

<http://bit.ly/soups2016>

Contact info:

dcherry@g.clemson.edu, bartk@clemson.edu