



NTNU – Trondheim
Norwegian University of
Science and Technology

Interdependent Privacy on Facebook

Esther Bloemendaal & Ida Malene Hassel Øveråsen

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Responsible professor: Jan Arild Audestad, ITEM
Supervisor: Gergely Biczók, ITEM

Norwegian University of Science and Technology
Department of Telematics

Abstract

With the evolution of online social networks, the incentive to share personal information has grown drastically. Along with the progressive data sharing that exists in today's interconnected world, privacy concerns arise. The privacy of an individual is bound to be affected by the decisions of others, and is therefore, to some degree, out of the user's control. This phenomenon lays the basis for the term *interdependent privacy*. In this study, we will direct our focus to Facebook, today's largest online social network.

Interdependent privacy is one specific part of the privacy issues that exists on Facebook. In order to get a full overview and understanding of this matter, we have looked into different aspects of Facebook privacy. We have mapped the development of the default privacy settings and the most important features introduced by Facebook over the years. We have also looked at user awareness with regard to Facebook privacy, how much they care about their privacy, as well as their awareness regarding app permission requests.

To map human awareness, we constructed a survey. In order to get an adequate picture of people's awareness, we distributed the survey on Amazon Mechanical Turk (MTurk). This is a marketplace for work that requires human intelligence. One of the key benefits of using MTurk is that it provides one of the largest subject pools available, with both diversity and low cost. We analyzed these results with focus on awareness of privacy settings (including app settings). We wanted to see if there was a connection between privacy settings and app settings, and awareness of the permissions requested when installing apps.

Our results show that all our respondents at some point have changed their privacy settings, as nobody had all their settings set to default. The majority of all the respondents check their settings 3-6 times a year. When we look at the corner-points, the ones that check them frequently and those that have not checked their settings during the last year, there is a clear difference. This gave the basis for two hypotheses that we thoroughly investigate in this report. "People that check their Facebook settings seldom, do not have as private/secure settings as the ones who check their settings often. Also, these people do not have as much knowledge about app permission requests, as the ones who check their Facebook settings often" and "People with many apps have less knowledge about the app permission requests, and less knowledge about the existence of the setting "Apps others use"".

Our research backs up both hypotheses. A higher percentage of the people checking frequently have changed their settings to a more private/secure option,

meaning that they are aware of the settings' existence. These users were both younger (almost 10 years in average) and more active (almost 20% more active), than the ones who seldom check their settings. The people checking frequently are also to a higher extent aware of the app permission requests. As well as the setting "Apps others use", which to a high extent concerns interdependent privacy. We also looked at the awareness of the permission requests for the ones having many apps connected to their Facebook account, versus the ones having just a few. The ones with few apps were more aware of all the requests we presented in our survey, and this group was also more aware of the existence of the setting "Apps others use", in comparison to the ones who had many apps connected to their Facebook account.

An interesting observation was that the respondents of our survey cared more about what they post (comments, photos, etc.) about others, than what is posted about themselves. The knowledge of the term interdependent privacy, as well as the knowledge about the app permission requests, was low.

The results from our research shows that our initial assumptions were correct. Specifically there exists little knowledge around the issues regarding interdependent privacy. Online privacy is a hot topic in the media these days and people do care about what is posted about them; but still they have poor security/privacy settings and in general little to no knowledge about app permissions. Is Facebook trying to hide the fact that information about you may be shared without your knowledge? If so, is this in conflict with their vision of an open and interconnected world?

Preface

This study was performed as a specialization project on behalf of the Department of Telematics at the Norwegian University of Science and Technology. The specialization project is part of two main profiles, information security and tele-economics, and this report is the final result of this project and is worth 15 ECTS points. The study was conducted between September and December 2013. The project description was outlined in cooperation with our project supervisor Gergely Biczók at the Department of Telematics.

We would like to thank Gergely Biczók who has guided us throughout our project, and contributed with helpful ideas, feedback and support. We would also like to thank our project professor Jan Arild Audestad for his helpful feedback, and insightful and motivating comments. In addition to this we would like to thank everyone who answered our survey, and helped us with valuable research information. A special thanks to our friends Aurora Klæboe Berg, Kine Aasjord Omholt and Thomas Normann for sharing the survey on their Facebook page, and making the survey reach out to a wider audience. Finally, we would like to thank everyone who helped us proof-read our report.

Trondheim, December 16, 2013

Esther Bloemendaal

Ida Malene Hassel Øveråsen

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Chapter 1

Introduction

1.1 Motivation

Today's largest online social network, Facebook, has increased drastically in popularity since it was introduced, and people use it to share enormous amounts of information. During the lifetime of Facebook there has been a significant change in the default privacy and security settings. At the same time Facebook's features have been significantly upgraded (e.g., Apps), and the platform itself has expanded to several different platforms (e.g., iOS and Android). Owing to this development, the complexity of privacy-related issues has made the originally embedded privacy requirements inadequate. This makes it interesting to look into privacy issues related to Facebook, and find out how aware people are of the existence of the various settings. Facebook has, for many, also become a sort of "snooping"-tool and it is therefore important that the users are able to protect the information they do not want to share with the public.

Interdependency is a reciprocal relation between two or more decision-making entities, whose actions have consequences for each other. Interdependency is a very important issue when it comes to social networks, since your privacy is affected by the decisions of others. Applications on Facebook introduced a whole new dimension to the privacy issue, in particular issues regarding interdependent privacy. It is therefore interesting to look at people's awareness when it comes to the information they share with apps, and how apps utilize this information. Previous studies have shown that the apps' permission requests are often ambiguous, and that permissions often goes against the users' privacy settings [6].

1.2 Problem Description

Based on our motivation we did research and conducted a survey in order to find the answers to the following questions:

1. What kind of settings does Facebook offer today?

2. How have the default privacy settings on Facebook evolved over time?
3. What are the default settings today?
4. What kind of features have Facebook introduced that at some point have affected the users' privacy?
5. How aware are the users of the settings on Facebook, and how often do they check them?
6. To what degree do people care about what they post about others (photos, comments etc.), and what others post about them?
7. To what degree are people aware of the different app permission requests, and do they know the meaning of the term interdependent privacy?

1.3 Methodology

Our assignment is divided into two main parts. One part consists of collecting data from Facebook users to find their view on different Facebook settings, and to check their awareness about the different app permission requests. The other part is a theoretical study of how Facebook privacy settings have evolved since the beginning of Facebook. We have used different approaches to be able to retrieve the information we needed.

Facebook is a global social network, so to be able to get more accurate information it is important to reach out to a wide and diverse audience. We decided to use Amazon Mechanical Turk (MTurk) for this purpose. To gather the data, we made a survey for the users to answer. Survey is a commonly used research method that involves the use of standardized questionnaires, or interviews, to collect data about people and their preferences, thoughts and behaviours in a systematic manner [7]. Survey, as a research method, has several advantages in comparison to other methods of doing research. Survey is a good method of retrieving unobservable data, like for example peoples attitudes, behaviours, characteristics, preferences, and demographics. Surveys are great when you want to cover a large group of people, like a country, that otherwise would be difficult to observe. With large groups and large amounts of data, surveys allow small effects to be detected, and they make it easy to compare the subgroups that may appear. Survey are cost effective in an economic term. It is a lot cheaper for a researcher to make and send out a survey, than to use other methods like experimental research. Surveys, as a research method, also have some disadvantages. The method is often exposed to biases, like sampling bias, non-response bias, and social desirability bias. Surveys have a reputation for having low responses, hence the non-response bias. This was one of the reasons for choosing MTurk as a platform for publishing our survey.

We started by implementing our survey on Amazon Mechanical Turk, using one of their predefined templates. However, we quickly discovered that it was missing some important features we needed to include in our survey, like dividing the questions into several pages. So, mainly for design purposes, we chose to create our survey in SurveyMonkey instead. SurveyMonkey surveys are easily integrated with MTurk, making it a popular tool for MTurk users. Using SurveyMonkey also made it a lot easier to keep track of answers and to see summaries. SurveyMonkey has a great and easily understandable user interface, and they have made it easy to share the survey to other mediums, like Facebook, to reach out to an even larger and more diverse audience.

In MTurk we gave the requirement that the respondents had to be "Master Workers" to be able to take our survey. These users have earned the title by building up a good reputation, and by setting this requirement we ruled out dubious users and answers. This saved us a lot of time in the screening process. When a user choose to take our survey, they first got some information about the purpose and incentive of the survey, and a link to SurveyMonkey. When the survey was finished the user received a code that they had to provide before submitting their HIT on MTurk. This was an assurance for us that all users on MTurk had finished the survey before they got paid. Throughout the lifetime of our survey we changed this code, just to make sure that nobody tried to get paid without actually doing the work. When the survey was completed in a serious manner the workers got paid \$1,5. On average, the users spent 13 minutes and 24 seconds to take the survey, this gives an effective hourly rate of \$6,7.

1.4 Limitations

Our main limitation was the amount of time available to finalize our specialization project, as we only had 4 months at our disposal. Our research analysis is based on the 250 responses we got on our survey. This is not enough to get a full and accurate image of the research area, but it gives a solid basis for further work. The amount of money granted for conducting the research was also limited, and this meant that we could not pay an unlimited amount of workers on MTurk. In addition to this, there is not an infinite number of workers available on MTurk. If we were to reach out to even more people, we would need to use several different arenas. We have not implemented a software-tool in order to cover a wider field in our research. Even though we distributed our survey on MTurk and Facebook, it is up to the user whether or not to take the survey. We had no control over the users' intentions. A normal problem with surveys is that there exists no way for us, as researchers, to verify that the respondents have answered in a truthful and proper manner. Another factor to have in mind, is overlooking valuable research data when carrying out analysis.

Chapter 2

Related Work

2.1 Social Network Services

A social network service (SNS), is a platform used to establish social networks of different people. These people often share a common interest or activity [8]. Online social networks (OSNs) is a large part of the social network services. From online social networks was first introduced until today, the popularity and complexity has grown drastically, with a hundreds of millions active users [9]. OSNs have a peer-to-peer architecture, and therefore makes it easy for members to initiate communication with whom they want, given that they are also connected to the network. OSNs also enables the possibility for people to easily publish and retrieve information about subjects of interest [10]. The internet has caused the creation of several information sharing systems [11]. Among these systems are the Web and OSNs. As mentioned before, the popularity of OSNs has grown drastically, and have become among the most popular sites on the Web. With this change, there has also been a change in what is centralized and in focus. The Web is to a large extent organized around content, while OSNs on the other hand are organized around users. This change has lead to the importance of understanding user behaviour. You can say that the expansion of OSNs has lead to a shift in how context is exchanged over the Web. End users are no longer just content consumers, but now also required to be content creators and managers [12].

A user is often represented with a profile on OSNs. To obtain a profile the user must, in most cases, register with the site [11]. When a user is given a profile, it is normal for the users to provide information about themselves. This information could for example be date of birth, home town, sex, name (or pseudonym) and maybe a profile picture. The social network is formed when users start connecting with each other. The reason for these connections are numerous; real-life friends, real-life acquaintances, colleagues, share an interest/activity or if you are interested in the information contributed by the other user.

Since Facebook was introduced to the public in 2006, it has grown to be the largest online social network (OSN) in the world. The growth of Facebook has made it necessary to

introduce new ways to manage privacy and ensure a secure online environment. The privacy embedded in the program/app etc. is not enough to ensure such an environment, due to the interdependent privacy issues. Your privacy is to a large extent affected by the privacy decision of others. We will come back to the meaning of the term interdependent privacy later in our report.

2.2 The History of Facebook

When Mark Zuckerberg (Chairman and CEO of Facebook, Inc.) enrolled at Harvard in 2002, he had decided to major in psychology. *"I just think people are the most interesting thing—other people"*, he said. *"What it comes down to, for me, is that people want to do what will make them happy, but in order to understand that, they really have to understand their world and what is going on around them"* [13]. He showed an interest and passion for connecting people together and create Harvard more open.



Figure 2.1: **The Facebook icon** as we know it today.

It all started in October 2003 when the Harvard sophomore Mark Zuckerberg and three of his classmates created the web page Facemash. Zuckerberg hacked into the administrative database at Harvard to extract the ID photos of all the students of the different houses. The web page presented two and two photos together creating a "hot or not" game for his fellow students. The votes were counted and created a top-ten list of the best looking people in each house. Within the first hour Facemash had 450 visitors and 22 000 votes. After numerous complaints from professors and fellow students, administration at Harvard shut down Zuckerberg's Internet connection after a few days. Harvard charged Zuckerberg for violating individual privacy, violating privacy and breach of security for stealing the photos. Zuckerberg agreed to take the web page down and got off with just a warning.

After Facemash, Zuckerberg was known around campus as a programming prodigy. Harvard seniors, Tyler and Cameron Winklevoss and Divya Narendra, had since 2002 been working on a social networking page, called HarvardConnection. This was a page where students could create a profile, and through which they could share some personal information, post pictures and share this with large and small communities that they could be part of. They wanted Zuckerberg's help to finalize their project so that the page could be up and running before they graduated. Zuckerberg agreed to help at the same time as

pursuing his own projects. Harvard offers a class directory to all freshmen, this directory is also known as the "Facebook". This "Facebook" contains a picture of all the students, as well as name, date of birth, home town and high school. The purpose of the "Facebook" was that the freshmen could get to know each other. Harvard's plan was to eventually get this online. Since Harvard had not gotten to it yet, Zuckerberg decided to do the job himself. He wanted to create a page where people signed up and created their own profiles, and in that way could post some personal information about themselves, and have control over what was posted. After ten days of intensive work, Zuckerberg almost finished the site. The site was kept simple and intuitive, and everybody with a Harvard e-mail address could create a profile. The profile consisted of a profile picture, name and some personal information such as taste in books, music, films and favourite quotes. Users could link to their friend's profiles, and by using a "poke" button let others know that you have visited their profile. Thefacebook went public February 4, 2004, and to get the word spread they sent it out on the Kirkland house mailing list, that contained over 300 students. It did not take long until the other houses heard and within twenty-four hours, close to fifteen hundred people ha registered. *"I think it's kind of silly that it would take the university a couple of years to get around to it"*, he said. *"I can do it better than they can, and I can do it in a week."* [13]. Later the same year the three founders of HarvardConnection, now called ConnectU, filed a lawsuit against Zuckerberg. Stating that he broke their oral contract, stole their idea, and delayed working on their site to be able to finish his own site, Thefacebook, first. Zuckerberg denied doing anything wrong, and stated that he had proof that he did not steal the idea from the HarvardConnection. Just a few months later Facebook filed a countersuit. Facebook accused ConnectU with defamation. The case went on for years. In 2011 the Winklevoss brothers dropped the lawsuit and accepted a 65 million settlement [14].

There was already similar pages out there, like Friendster and Myspace. Especially on Myspace people played roles, giving themselves out to be someone else. Teenage girls pretending to be older and grown men giving themselves out to be young girls. There is nowhere to validate that the person really is who they give themselves out to be. This limits to what extent people posts personal information. With Thefacebook a user had to sign up with a valid Harvard e-mail address. This was an assurance that all the users were actual people, and mostly students. This made it easier to post more personal information like cell-phone number, home address and even sexual orientation. The concern was not about security, but more about wasting time, it became an addictive pleasure.

It did not take long before Mark Zuckerberg began to receive e-mails from other colleges, requesting to get Thefacebook at their schools. The site was easily scalable, the concern rather laid in how to maintain the intimacy and the clubby appeal. When Thefacebook expanded to the colleges Colombia, Yale and Stanford, students were only able to search and see people from their respective college. Only with permission from a student from another college could they add the person to their friend list. This is a key factor to Facebook's

success. Zuckerberg wanted people to post personal information and create a more open school community.

In June 2004, when the school year was over, Thefacebook had expanded to over forty schools, with 150 000 users. With the rapid expansion, the need for investors and more capacity increased. Zuckerberg moved his base to California and removed the "the" from the name. Thefacebook became just Facebook.

October 2005 Facebook expanded to universities in England, Mexico and Puerto Rico, and in September 2005 a high school version was available [15]. This was a big step for Facebook. All high school members needed an invitation to be able to join. Zuckerberg launched the possibility for all users to see the profiles and send friend request to everyone in the network, the older users had strong objections. College students did not like the idea of high school kids looking at their profiles and being able to befriend them. But with the rapid expansion, Facebook was forced to make the site more open and knock down some of the walls dividing the users. Facebook made it possible for employees at different companies like Apple and Microsoft to join the network. At the end of 2005 Facebook was used at over 2000 colleges and at over 25 000 high schools in United States, Canada, Mexico, England, Australia, New Zealand and Ireland.

Up to this point you had to be a student at a college or high school, or employee at a certain company to be able to join the network. After September 2006 everyone over the age of thirteen, with a valid e-mail address, could join. The site was no longer restricted to schools and was now open to the whole world.

By 2009 Facebook had 200 million active users, and was finally getting more users than Myspace, becoming the world's biggest social network [16]. With the release of iPhone in 2007, and the launch of Facebook's mobile application in 2008 a new way of sharing became reality. The mobile application enabled Facebook users to send pictures, status updates and comments in real-time. Facebook introduced the "like" button in 2010, together with the growing application and gaming platform.

The movie "The Social Network" directed by David Fincher and Aaron Sorkin came out in October 2010. It is an American drama movie based on the early days of Facebook's history. The popular movie has received many awards, among them 3 oscars [17].

In April 2012 Facebook announces that they are buying the photo sharing application Instagram for \$1 billion. This was the biggest acquisition that Facebook has done [18]. Instagram just finished a great year with the launching of the android application and a huge growth, with more than 30 million users, and more than five million pictures being uploaded every day [19]. Just a month later Facebook goes publicly listed, another big step for Facebook. Each stock were sold for \$38 dollars, giving the company a market value of

\$104,2 billion dollars, becoming the highest valued company in history. Facebook's market value was almost four times higher than Google's market value in 2004 [20].

Facebook today As of September 2013 Facebook has 5 794 employees divided on 13 offices in the United States, and 24 international offices [21]. Worldwide, Facebook has 1,19 billion monthly active users. About 80% of the daily active users (727 millions) are from outside of the U.S and Canada.

2.3 Facebook Privacy

There exists numerous articles and papers written on the development of Facebook privacy, and many researchers have tried to map the human behaviour in regard to Facebook through for example the use of surveys. One of these articles is "Facebook privacy settings; Who cares?" by Danah Boyd and Eszter Hargittai [22]. The paper addresses a survey conducted on a cohort of 18- and 19-year-olds in 2009 and in 2010. The survey focused on their attitude and practice when it came to Facebook privacy settings. During this period, between 2009 and 2010, Facebook made many changes to their privacy settings. This was a turbulent period in Facebook history, with a lot of attention in media.

The demographics collected in the survey described in the paper by Boyd and Hargittai was sex, age, race and ethnicity and parents' highest level of education. The latter was used as a "measure" for socio-economic status. The demographics showed a diversity in the people taking the survey. The other data collected in the survey consisted of information within these topics: "Internet experience", "Use of Facebook", "Engagement in certain activities on social network sites among Facebook users" and "Experience with Facebook's privacy settings". Based on their discussion and conclusion, we have highlighted some of their findings:

- Majority of young adults using Facebook have to some degree checked their privacy settings. Number of people who had checked increased from 2009 to 2010. One reason for this may have been the media attention Facebook received as mentioned above.
- How familiar someone is with technology plays a role in how they handle their Facebook privacy settings. The reason for this assumption is withdrawn from the relationship between changing privacy settings and the frequency of Facebook use, as well as Internet skill. Considering the default settings, this is especially important since the least skilled people get more vulnerable when Facebook changes the default privacy settings.
- Among the majority both genders are equally confident in changing their Facebook privacy settings.

Danah Boyd and Eszther Hargittai concludes, based on their findings, that experience and Internet skill is important to take into account in regard to how people handle their privacy settings on Facebook. It is incorrect to think that the Facebook users have the same approach to the site. This kind of thinking leaves a part of the users more exposed. It is therefore very important that the people who configure the default privacy settings take these users into consideration. They should be aware of the fact that every user is different and have a different basis of understanding.

Another relevant article on the topic of Facebook privacy settings is "Analyzing Facebook Privacy Settings: User Expectations vs. Reality" [12]. It addresses to what degree the Facebook privacy settings match the expectations of the users. To find information about the users view on the topic, they conducted a survey via Facebook with people recruited from Amazon Mechanical Turk (more information on Amazon Mechanical Turk can be found in section 2.5). They got 200 users who completed the survey. The average values for the users were: 248 friends, 363 uploaded photos, 185 status updates, 66 links, 3 notes, 2 videos. Their analysis is centred around two questions, and one of these questions are interesting for us to look at: *"What are the ideal privacy settings desired by users? How close are these to the actual settings that users have?"*

They had some very interesting results on their survey, and these are the ones we wanted to highlight:

- Facebook privacy settings match the users expectations 37% of the time, and when the settings are not as expected they are almost always more open, and exposes the content to a wider audience than desired.
- Modified privacy settings match the users expectations only 39% of the time. This implies that even though you are aware of your privacy settings, you can still have problems configuring them correctly and as desired.
- Nearly half of the content shared by the users are shared with all Facebook users. This was desired 20% of the time.
- When the privacy settings on photos has been changed by the user, the privacy settings on these photos match the users expectations less than 40% of the time.

As mentioned before there exists much material on the topic of Facebook privacy. We chose to shed light on these two articles, because of the similarities in topic and approach to our paper. Later in our paper we will see if we can draw comparisons between the results in these two articles and our own survey result.

2.4 Interdependent Privacy

In today's society Internet is no longer a privilege, it is a human right. With the evolution of the online social networks (OSNs) the incentive to share personal information has grown drastically. People create profiles at different OSNs and share personal information, pictures and comments with each other. With the enormous data sharing, privacy concerns arise. The privacy of an individual user is bound to be affected by the decisions of others, and are therefore to some degree out of the user's control. This phenomenon lays the basis for the term *interdependent privacy* [23].

Privacy

Roger Clarke defines privacy as *the interest that individuals have in sustaining a 'personal space', free from interference by other people and organisations* [24]. Further Clarke divides privacy into multiple levels; bodily, personal behaviour and information privacy. Bodily privacy is concerned with the integrity of an individual's body, such as blood transfusion without consent, compulsory immunisation and compulsory sterilisation. Personal behaviour privacy relates to all aspects of behaviour, like sexual preferences, and political and religious actions. Information privacy is a collective term including personal communication and privacy of personal data. This includes the ability to communicate, using the desired media without being monitored by others, and claim that data about themselves not automatically should be available to others, even when there is data that should be processed by others.

In this article our focus will be on online privacy, the level of privacy and security of personal data published on the internet. For a user, the privacy and anonymity is the most important factor taken into consideration when using online services. It is a hot topic and now more important than ever, especially when the consequences are unforeseen, and the extent of them are often hard to predict. Biczók and China defines online privacy risks with the basis in Clark's privacy definition as described in the list below [23]:

- Personal: Potential loss of information about a user and the user's behavioural data. This can be done by phishing, hacking to steal secure and sensitive user data, like passwords and pin codes.
- Relational: Revelation of how a user relate to and communicate with others. Spyware is an offline application that can obtain a user's data without the consent of the user.
- Spatial: Invasion of the virtual space of an online user. An example of this can be unwanted comments and posts on a user's blog or social networking page.

Interdependent privacy

In today's interconnected world, we share enormous amounts of data every single day. Protecting personal, relational and spatial privacy of individuals is no longer just dependant

of only your individual actions, but increasingly depending on the actions of others [23]. With the continuous growing use of social networks, data sharing has become very easy. We share photos, comments, videos, and links. This increasing data sharing arises concerns regarding interdependent privacy.

An example can be if Alice posts and tags a picture of her Facebook friend Bob. Alice finds the picture of Bob funny and sees no problem in posting it. Bob on the other hand, does not share Alice's opinion, he finds the picture embarrassing and inappropriate. Bob wants the picture removed, but by the time Alice comes around to remove it, people have already seen it, and maybe reposted it. Bob's privacy was dependent on what Alice did, and out of his own control.

Sharing information without consent from the users can lead to the emergence of externalities. In economics externalities are defined as the unintended costs or benefits that are imposed on unsuspecting people, and that results from economic activity initiated by others [25]. When the effect is beneficial it is considered a positive externality. A negative externality is when the side-effect is negative. Let us relate this to our example with Alice and Bob. When Alice shares the photo without Bob's consent, it might be at benefit for Alice (in personalized experience), but for Bob it will be received as a negative externality, a loss of his online privacy. Another example of interdependent privacy is the Facebook platform for third-party applications (apps). How your privacy depend not only on your actions, but also on the actions of your friends. We will discuss this in more detail in subsection 3.3.2.

Related article The article "Third-Party Apps on Facebook: Privacy and the Illusion of Control" was written in the end of 2011 and looks at the privacy threats with the use of third-party apps on Facebook [6]. In this paper the authors look at what information the third-party applications request when you install them, and how easy it is for an application to retrieve more information from a user than what the user initially wanted to. There has not been done any other studies on this topic before this article was written. Their aim is to increase user control of the data apps' access, and alert the users when the apps' violate your initial privacy setting. When a user wants to add an application, the application is required to ask for permission to access certain information, like your "basic information", which includes name, profile picture, gender, networks, list of friends and other information that a user has publicly available to everyone. Other permissions that apps frequently ask for is "post to my wall", "send me email" and "access my profile information". You can later go to your settings and change what information you share with the apps, but by this time you may already have shared information that you initially wanted to keep private. As an example say that a user, we call her Alice, would like to keep her birthday private and have stated this in her privacy settings. Alice then installs an app called "Happy Calendar", that lets her keep track of her friends birthdays. When installing the app, they asked for permission to access hers and her friends' birthdays in addition to her basic information. Alice allows the app permission, to later find out that "Happy Calendar" has created an album with a

calendar image showing the profile pictures to all her friends and herself. This album was posted on her wall and Alice's friends received a notification about the album. The birthday that Alice initially wanted to keep private is no longer private. The article states that there should be more evident to the user when the app ask for information that is in conflict with the user's privacy settings. In the article two new designs of the permission approval page are presented and tested. From the tests it was clear that users was not always aware of what they share, and that a more extensive and informative permission-page would be necessary. It is important that the users understand what they are sharing and that apps often ask for information that you do not want others to see.

2.5 Amazon Mechanical Turk

The growth of the Internet have made it easier to conduct studies, surveys and so on. One commonly used technique for conducting these studies and surveys are called *crowdsourcing*. Crowdsourcing is a technique where you outsource a job to a undefined group of people. The beneficial aspects with crowdsourcing is that one is provided access to a large set of people who are willing to do the tasks you want done, for low pay [26].

Amazon Mechanical Turk is a good example of a crowdsourcing site. Amazon Mechanical Turk (MTurk) is a Internet marketplace where human intelligence is utilized to perform various tasks [27]. The people using Mechanical Turk are separated into two groups. You have the *requesters* that post jobs/tasks, and the *workers* who can choose from these jobs/tasks, and execute them for pay [26]. The jobs are posted as HITs (Human Intelligence Tasks). HITs are individual tasks that workers can complete to make money.

2.5.1 The Turk

The name "Mechanical Turk" comes from a chess-playing automaton from the late 18th century. The Turk, as it was called, was a construction made to seem like a automatic chess-playing machine. In reality there was a professional chess player inside the machine, that steered the arms of the doll that was on the other side of the chess-board. The Turk was constructed in 1770 by the Austro-Hungarian Wolfgang von Kempelen. The reason for this construction was that von Kempelen wanted to impress the Empress Maria Theresia of Austria. The Turk toured around Europe and America for decades, without anyone knowing the secret of the machine. The professional chess player that operated the construction played and defeated many, including Benjamin Franklin and Napoleon Bonaparte. Although many suspected that the Turk was steered by a hidden human, the trick was not exposed before 1820. The Turk was ruined in a fire in 1854 [28]. An engraving of the Turk is shown in Figure 2.2. The figure shows the Turk with open doors and the different parts inside of the Turk. Wolfgang von Kempelen may have drawn this picture himself, since he was a talented engraver [28].

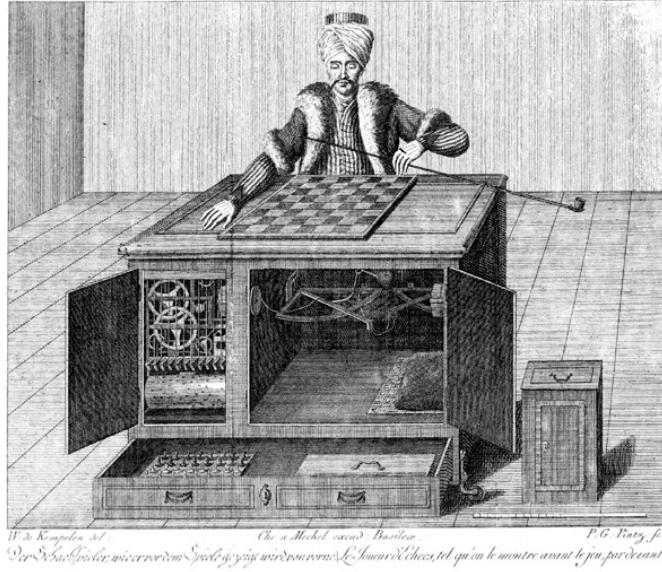


Figure 2.2: Engraving of the Turk.

2.5.2 Advantages with Amazon Mechanical Turk

There are several advantages of using MTurk for conducting behavioural research studies. Amazon Mechanical Turk enables the opportunity to reach out to a wide audience, since it provides access to a large subject pool [26]. When conducting a survey or other research, for example in connection with school projects etc., you seldom have access to a large subject pool. Usually you may get your friends to contribute, and maybe some other people going to the same school or a few people living in the same place. The results of these surveys or researches will most likely be reflected by lack of diversity. By using Amazon Mechanical Turk instead, another advantage is subject pool diversity. The workers on Mechanical Turk are spread all over the world, and have different backgrounds. They have different religions, ethnicity, languages, different positions in society (economical), and age. The one last advantage with Mechanical Turk worth mentioning is that you get access to all the aspects mentioned above at a low cost. The workers are willing to take jobs and perform task for relatively low pay [26].

2.5.3 Financial Incentives

Some concerns regarding the financial incentives are brought up in connection with Mechanical Turk (MTurk). One question is whether or not lower pay result in lower quality in the work conducted by the workers. It is important to have knowledge about the relationship between how good the workers perform, and the financial incentives given to them [29].

Research done by Horton and Chilton [30] shows that the least amount of pay a worker is willing to accept for a task on MTurk is \$1.38 per hour, and they refer to this amount as the *reservation wage*.

The article "Analyzing the Amazon Mechanical Turk Marketplace" [31] written by Panagiotis G. Ipeirotis in December 2010 shows that the effective hourly wage on MTurk is \$4.80. This is calculated based on some observations, and also on some assumptions. What they observed was that the median arrival rate was \$1.040 per day, and that the median completion rate was \$1.155 per day. They then assumed that MTurk acts like an M/M/1 queuing system. Based on these observations and assumptions they used basic queuing theory and calculated that a task worth \$1 is completed with an average of 12.5 minutes. Like mentioned earlier, this results in an effective hourly wage of \$4.80.

Winter and Mason [29] conclude that if you increase the pay, the quantity of participants increases, but the quality of the work done does not increase. They think the reason for this is the *anchoring effect*. The anchoring effect describes that it is common for humans to depend too much on the first information given to them when making decisions [32]. In the case Winter and Mason presents: the workers who get more pay, also assume that the work they are about to conduct is more extensive, and therefore do not get more motivated to perform the work.

2.6 SurveyMonkey

SurveyMonkey is the world's leading provider of web-based survey solutions [33]. SurveyMonkey was founded in 1999 by Ryan Finley, and had 15 million users in 2013 [34]. Using SurveyMonkey as a tool you are allowed to create your own survey based on templates. To get started with SurveyMonkey and to create surveys you have to register the site, and choose an account type that matches your needs. The different account types have different prices. The more expensive, the more is included. There are several features available when using SurveyMonkey [35]. It is easy to create questions, with 15 question types available. You can also add logic to the questions. It is easy to customize the appearance of the survey, with the colors you prefer and so on. Getting responses on the survey is done by sharing an URL, for example on Facebook or in emails. When you have gotten answers on your survey, you get the data presented in graphs and charts. You can also export the results in various ways, for example all response data or just individual responses.

Chapter 3

Facebook Privacy

In this chapter we are going to look into what kind of privacy settings that exist on Facebook. We will also look at, and map, how the default privacy settings has evolved over time. In addition to this, we will describe some of the features introduced by Facebook over the years, and how these features have affected the privacy on Facebook. Finally, we will review some of Mark Zuckerberg's thoughts and comments in regard to Facebook privacy.

3.1 Privacy on Facebook

There is no doubt that Facebook has had a remarkable development, both when it comes to number of active users and the development of new features, as shown in Figure 3.1. Along

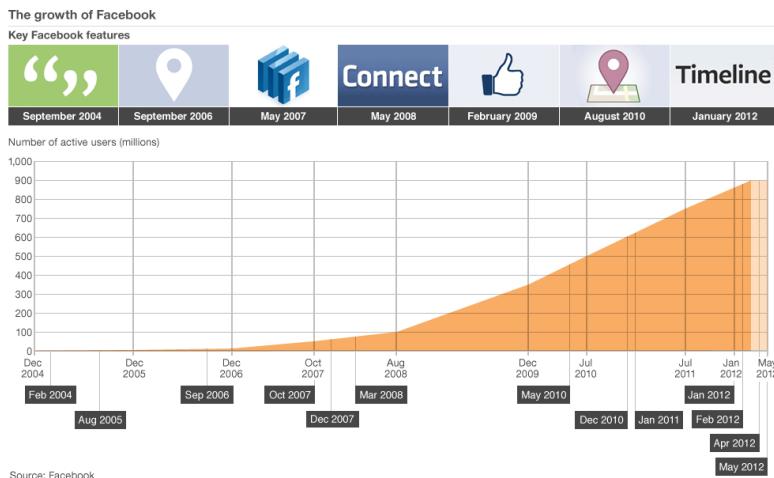


Figure 3.1: **The development of Facebook users and introduction of new features.** The orange field in the graph shows the increasing number of Facebook users over the years. Key Facebook features are shown over the graph according to when they were introduced [19].

with new users and new features, there has also been made major changes to what kind of privacy settings exists and what kind are needed.

3.1.1 Facebook Settings

Whenever Facebook make an update to the settings, the users usually get a personal message informing them about the change. Because of the high number of users, this change happens gradually. This means that not everyone will get a notification about the changes made at the same time [36]. Despite the changes over time, the main control of ones privacy lies in the hands of the users. The users have the opportunity to make their profile more secure, than what is default.

The settings that exists

There exists numerous settings one can edit to make their Facebook profile more, or less, secure/private. The main reason why people do not change their settings is probably because they are unaware of the settings' existence. Another problem can be that people are not confident enough in changing them. When they do not know what a setting does, it can be scary to change it. Regardless of this, the settings exists, and it is up to each user how they are configured. On the Facebook settings page there is different tabs regarding different kind of settings. The settings available are elaborated in Table 3.1.

Table 3.1: The settings that exist on Facebook [1].

| Setting tab | Description |
|----------------------|--|
| General | Under this tab the user can edit name, username, email, password, network and language. |
| Security | Under this tab the user can do changes that makes it harder for someone else to hack into the Facebook account. Here the user can enable/disable Secure Browsing (the use of https). It is possible to turn on Login Notification . This means the user will get notified either by email or text message when the account is being accessed from a computer or mobile device that has not been used before. It is possible to enable something called Login Approvals , where a security code is required to access the account from an unknown browser. This code can be given to the user in a text message. The user has the choice to use Code Generator on the Facebook mobile app to reset password or generate login approval security codes. Under the security tab the user can create App Passwords , add Trusted Contacts , view Recognized Devices and Active Sessions . Under active sessions the user can see all sessions active via the user's Facebook account. Here the user can look for unfamiliar devices or locations, and if the user find a session that is unfamiliar, someone else may have been logged onto the account. This session can easily be ended. |
| Privacy | Under this tab the user can change the audience for future posts. The user can also choose who can send friend requests, who can look you up using the email address provided and who can look you up using the phone number provided. The last setting concerns whether or not the user want other search engines to link to the user's timeline. This can either be turned On or Off. |
| Timeline and Tagging | Under this tab the user can choose who can post on the timeline, who can see posts you have been tagged in on your timeline and who can see what others post on your timeline. The user can also choose whether or not he/she want to review tags people add to own posts before the tags appear on Facebook, and the user can choose the audience for a post the user has been tagged in, if they are not already in it. |
| Blocking | Under this tab the user can block other users, app invites from specific users, event invites and specific apps. Under this tab the user can also make a Restricted List . These friends will only be able to see the information and posts that are public. |

| | |
|---------------|---|
| Notifications | Under this tab the user can control how to get notifications, and what to get notified about. |
| Mobile | Under this tab the user can add phone number(s), and activate registered phone(s) for text messaging. |
| Followers | Under this tab the user can turn on follow, this makes it possible for other people to follow the user. Followers will only see public posts and will not be added as friends. |
| Apps | Here the user can choose whether or not he/she want to use apps, plugins, games and websites on Facebook and elsewhere. The user also gets a list of the apps installed, and can edit the audience for what is posted via these apps. The people on Facebook who can see a user's information can bring this information with them when they use apps. This is to improve the user experience. Under Apps other use the user can control the categories of information that people can bring with them when they use apps, games and websites. The user can also turn on something called Instant personalization , which let the user see relevant information about friends the moment the user arrive on a select partner website. Finally, under this tab the user can choose the audience for the things posted using old Facebook mobile apps that do not have the in-line audience selector. |

3.2 Default Settings on Facebook

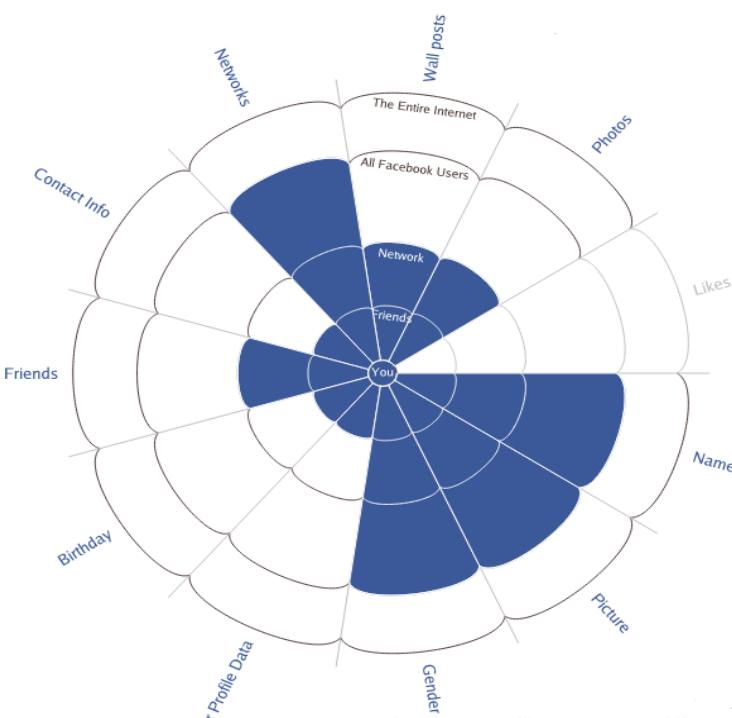
Facebook has evolved from being a networking site for students attending Harvard, to becoming a global phenomenon. Facebook's user interface has gone through several changes over the years, which has brought both joy and frustration to the users. When these changes have been made, there has also been made adjustments to the default privacy settings [37]. At the beginning, in 2005, when Facebook first was applied outside of Harvard University, a user's personal information was only accessible to the user's Facebook friends and to people connected to the same network on Facebook [2]. This is far from reality today. We will now look into how the default privacy settings on Facebook has evolved over time.

3.2.1 Development of Default Settings

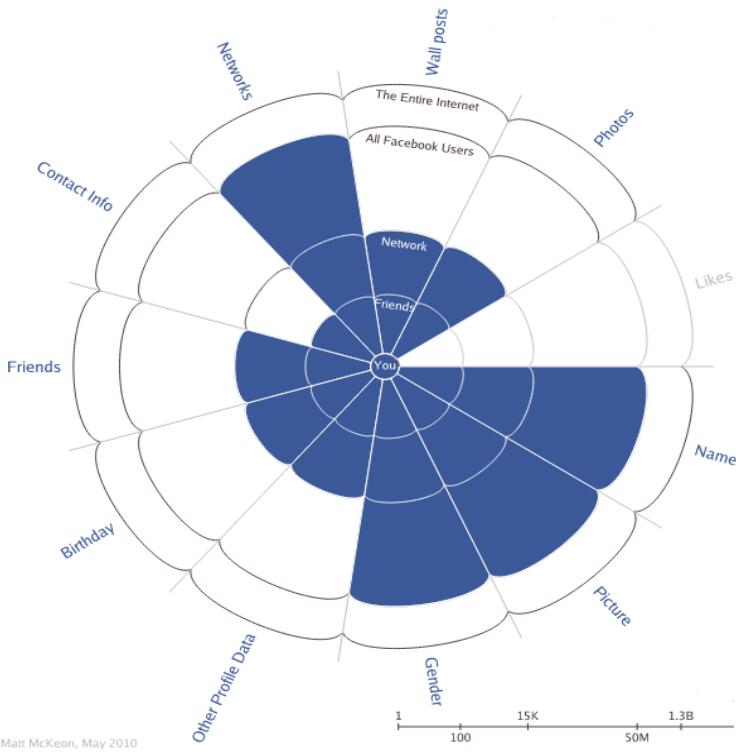
The main changes to the default privacy settings are emphasized in Table 3.2. Each year only states the changes made that year. If no changes were made the default settings from the previous year are the valid ones.

Table 3.2: Changes in the default privacy settings on Facebook from 2005 until today [2, 3].

| Year | Default Privacy Settings |
|------|--|
| 2005 | <p>Personal information (name, profile picture and gender) and network is visible to all Facebook users. Wall posts, friend-list and photos are visible to a user's specified networks. A user's contact information, birthday, and other profile data is visible only to the user's friends.</p> <p>Matt McKeon, May 2010</p> |

| | |
|------|---|
| 2006 | <p>In addition to the default privacy settings in 2005, school and specified local area are displayed to all Facebook users.</p>  <p>Matt McKeon, May 2010</p> |
|------|---|

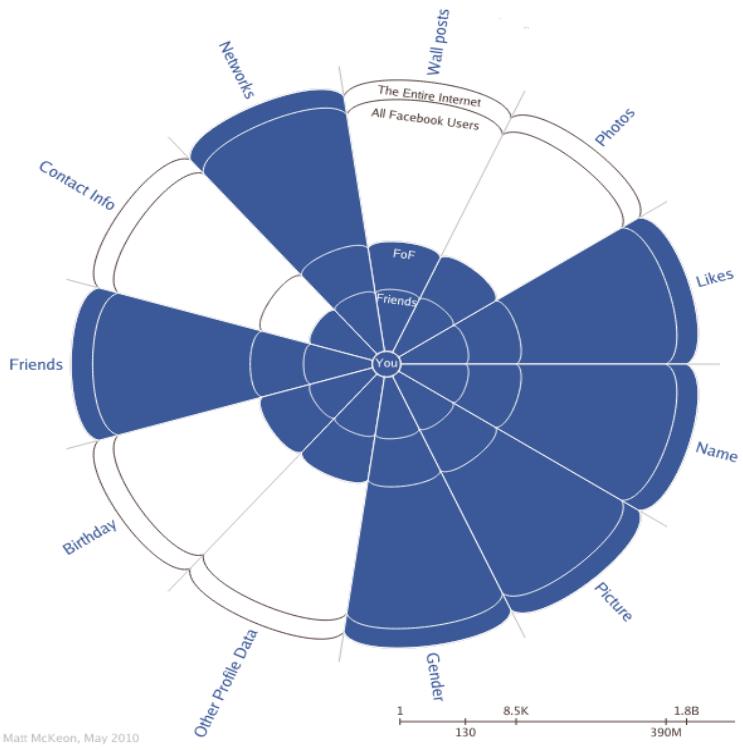
| | |
|------|--|
| 2007 | Birthday and other profile data became available to the user's specified networks. |
|------|--|

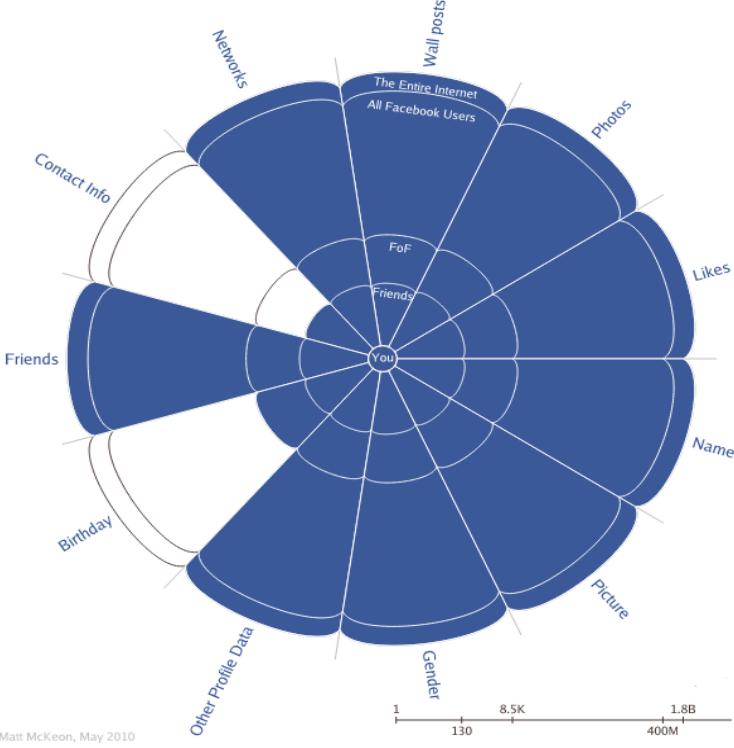


| | |
|---------------|--|
| November 2009 | <p>Name, profile picture, gender and network became available and searchable to the entire Internet. In addition to this, a user's friend-list became visible to all Facebook users. Wall posts, photos, likes, other profile data and birthday became available to friends of friends.</p> <p>Matt McKeon, May 2010</p> |
|---------------|--|

December
2009

Likes and a user's list of friends became available to the entire Internet.



| | |
|---------------|--|
| April 2010 | <p>The entire Internet can see everything, except contact info that are limited to friends and birthday which is limited to friends of friends.</p>  <p>Matt McKeon, May 2010</p> |
| November 2013 | <p>The entire Internet can see everything, except posts you have been tagged in on your Timeline and what is posted by others on your Timeline, which are limited to friends of friends.</p> |

Facebook have had an extreme development. With the consistent growth, the page has gone through a lot of changes, both in appearance and by introducing new features. This encourages, and also in some cases, forces the user to be more public and share more information with others. Table 3.2 displays the development of default settings over the lifetime of Facebook. In 2005, only a user's name, profile picture, gender and network were visible to all Facebook users. Nothing connected to a user's profile was public to all Internet users. This was still in the early days, when Facebook only was available to a limited amount of colleges and high schools.

In 2006 Facebook became publicly available, and everyone with an e-mail address could sign up. It became clear to Facebook that their users did not wish to share all personal information with the entire world. Facebook therefore changed the default settings, and gave the users more options. The users could then decide who they wanted to share information with. A user's name, profile picture, gender, networks, schools and specified local area was available to all Facebook users. Wall posts, photos and the user's list of friends, was limited to networks. Contact information, birthday and other profile data was only visible to a user's friends.

The only changes that was made from 2006 to 2007, was that birthday and other profile data became visible to a user's networks.

A lot of changes was made to the default privacy settings in November 2009. Name, profile picture, gender and networks, became available to all Internet users. This made it possible to search for a person on, for example, Google and find people's Facebook profiles there. Facebook introduced the feature "like" and the possibility to share with friends of friends, which widely extended the visibility for some content. Wall posts, photos, likes, other profile data and birthday was now visible to friends of friends. All Facebook users could see a person's list of friends, but contact information was still only visible to a user's friends. Just a month later, December 2009, also a user's likes and list of friends became visible to the entire Internet.

Facebook is becoming more and more public, and the number of users is rapidly growing. In April 2010, everything except contact information, that was limited to friends, and birthday, that was limited to friends of friends, was publicly visible to the entire Internet. Anyone and everyone could now see almost everything connected to a user's Facebook profile.

In addition to Facebook's introduction of Timeline (see 3.3.6 for more information), they also introduced new settings for members under the age of 18. All the settings that were default set to "public" for a regular user, was changed to "friends of friends", and work and school networks for the ones under the age of 18. Everyone could see what others posted on a user's Timeline, as well as posts the user had been tagged in.

Today, in 2013, the entire Internet can see everything, except posts you've been tagged in on your timeline and others posts on your timeline, which are limited to friends of friends. We will take a closer look at how the default privacy settings are today, and explain the changes possible in section 3.2.2.

Even though Facebook makes the default settings more and more public, it is important to keep in mind that they also let the users change everything and decide themselves who they would like to share information with.

3.2.2 Default Settings 2013

To examine the default settings on Facebook as they are today (November 2013), we created a new Facebook profile. Figure 3.2 shows how the default security settings look like in November 2013. As we can see from the Figure, secure browsing is enabled by default. This became default in July 2013, but has been an option since 2011 [38].

Figure 3.3 shows the default privacy settings in November 2013. *"Who can see your future posts?"* is set to *Public*, which means everyone can view future posts. *"Who can send you friend requests?"* is set to *Everyone*. *"Who can look you up using the email address you provided?"* and *"Who can look you up using the phone number you provided?"* is set to *Public*, which makes it easier for people to find a user on Facebook if they know the user's email or phone number. The setting *"Do you want other search engines to link to your timeline?"* is turned *on*. This means that, for example, if a user is looked up on Google, the user's Facebook profile will appear in the search. To summarize, the privacy settings are by default *as public as they can be*.

Figure 3.4 shows the default settings for timeline and tagging on Facebook in November 2013. *"Who can post on your timeline?"* is set to *Friends*, which means that only Facebook friends can add things (photos, comments, links, etc.) to the user's timeline. *"Review posts friends tag you in before they appear on your timeline?"* is set to *off*. This means when a user gets tagged in something, it will appear on the user's timeline before the user has had a chance to review it. In most cases this is probably fine, but there may occur a situation where the user does not want the specified content displayed on his/hers timeline. In cases like these it would be desirable to have the review-setting turned on. *"Who can see posts you've been tagged in on your timeline?"* and *"Who can see what others post on your timeline?"* is set to *Friends of friends*. In contrary to those who can post on your timeline, which are friends, friends of friends are able to view the content added to the user's timeline. If you have many

The screenshot shows the 'Security' tab selected in the left sidebar of the Facebook settings interface. The main content area is titled 'Security Settings' and lists various security-related options with their current status and edit links:

| Setting | Description | Edit Link |
|---------------------|---|-----------|
| Secure Browsing | Secure browsing is currently enabled. | Edit |
| Login Notifications | Login notifications are disabled. | Edit |
| Login Approvals | Use your phone as an extra layer of security to keep other people from logging into your account. | Edit |
| Code Generator | Code Generator is disabled. | Edit |
| App Passwords | You haven't created app passwords. | Edit |
| Trusted Contacts | You don't have any trusted contacts set. | Edit |
| Recognized Devices | No recognized devices. | Edit |
| Active Sessions | Logged in from Trondheim, 16, NO. | Edit |

At the bottom of the page, there is a link to 'Deactivate your account.'

Figure 3.2: Default security settings on Facebook November 2013.

The screenshot shows the 'Privacy Settings and Tools' section of the Facebook settings. On the left, there's a sidebar with links like General, Security, Privacy (which is selected), Timeline and Tagging, Blocking, Notifications, Mobile, Followers, Apps, Ads, Payments, and Support Dashboard. The main content area has a table with sections for 'Who can see my stuff?', 'Who can contact me?', 'Who can look me up?', and a general row at the bottom.

| Privacy Settings and Tools | | | |
|------------------------------|--|-----------------|------------------|
| Who can see my stuff? | Who can see your future posts? | Public | Edit |
| | Review all your posts and things you're tagged in | | Use Activity Log |
| | Limit the audience for posts you've shared with friends or public? | | Limit Past Posts |
| Who can contact me? | Who can send you friend requests? | Everyone | Edit |
| | whose messages do I want filtered into my inbox? | Basic Filtering | Edit |
| Who can look me up? | Who can look you up using the email address you provided? | Public | Edit |
| | Who can look you up using the phone number you provided? | Public | Edit |
| | Do you want other search engines to link to your timeline? | On | Edit |

Figure 3.3: Default privacy settings on Facebook November 2013.

friends on Facebook, and these friends have many friends each, the audience are suddenly extremely large.

Figure 3.5 shows the default settings for apps on Facebook in November 2013. Usage of apps, plugins, games and websites on Facebook and elsewhere are turned on by default. Under "Apps others use", a user can choose which categories of information that people can bring with them when they use apps, games and websites. As shown in the figure, almost every box is checked off as default. The only exception is "Interested in" and "Religious and political views". Also shown in the figure, instant personalization is enabled by default. The privacy settings for the information you post/have posted using old Facebook mobile apps is set to public as default.

The screenshot shows the 'Timeline and Tagging Settings' section of the Facebook settings. On the left, there's a sidebar with links like General, Security, Privacy, Timeline and Tagging (which is selected), Blocking, Notifications, Mobile, Followers, Apps, Ads, Payments, and Support Dashboard. The main content area has a table with sections for 'Who can add things to my timeline?', 'Who can see things on my timeline?', and 'How can I manage tags people add and tagging suggestions?'.

| Timeline and Tagging Settings | | | |
|--|--|--------------------|---------|
| Who can add things to my timeline? | Who can post on your timeline? | Friends | Edit |
| | Review posts friends tag you in before they appear on your timeline? | Off | Edit |
| Who can see things on my timeline? | Review what other people see on your timeline | | View As |
| | Who can see posts you've been tagged in on your timeline? | Friends of Friends | Edit |
| | Who can see what others post on your timeline? | Friends of Friends | Edit |
| How can I manage tags people add and tagging suggestions? | Review tags people add to your own posts before the tags appear on Facebook? | Off | Edit |
| | When you're tagged in a post, who do you want to add to the audience if they aren't already in it? | Friends | Edit |
| | Who sees tag suggestions when photos that look like you are uploaded? (this is not yet available to you) | Unavailable | |

Figure 3.4: Default settings for timeline and tagging on Facebook November 2013.

The screenshot shows the 'App Settings' section of the Facebook settings interface. On the left sidebar, under the 'Apps' category, the 'Ads' option is selected. The main content area is titled 'App Settings' and contains the following sections:

- Apps you use:** A switch labeled 'On' is followed by an 'Edit' link. This section allows users to manage which apps can access their profile information.
- Apps others use:** A detailed list of 18 items, each with a checked or unchecked checkbox, allowing users to control what information they share with other apps. Items include Bio, Birthday, Family and relationships, Interested in, Religious and political views, My website, If I'm online, My status updates, My photos, My videos, My links, My notes, Hometown, Current city, Education and work, Activities, interests, things I like, and My app activity.
- Instant personalization:** A switch labeled 'On' is followed by an 'Edit' link. This setting lets users see relevant information about their friends the moment they arrive on select partner websites.
- Old versions of Facebook for mobile:** A switch labeled 'Public' is followed by an 'Edit' link. This setting controls the privacy of things posted using old Facebook mobile apps.

At the bottom of the page, there are links for About, Create Ad, Create Page, Developers, Careers, Privacy, Cookies, Terms, Help, and a note that says "Facebook © 2013 · English (US)".

Figure 3.5: Default settings for apps on Facebook November 2013.

Default settings does not preserve privacy

It is safe to conclude that the default privacy settings on Facebook as they are today are far too public. Unless there is made changes to the settings, the timeline will be publicly available, with the exception of posts you've been tagged in and other's posts on your timeline which is "only" visible to friends, and friends of friends.

3.2.3 Default Settings for Teens

Each time a user on Facebook share a status update, the user chooses who the post is visible to (see Figure 3.6). This choice will remain the same for future posts, unless the user decides to change it. Up until today, the default audience is set to "Public", but for teens between 13-17 years, it has been "Friends of friends". On October 16th, 2013, Facebook announced to change the default setting for teens [39]. Now the initial audience for posts are "Friends". Teens can now later change this to "Public". This was not an option before. Teens are active users of social networks, and want to be heard, either it is political engagement or an opinion on a movie. Further, Facebook allows teens to turn on Follow, by doing this their public posts will show up in people's news feeds. Facebook designed these changes to improve the Facebook experience for young people. In [39] Facebook also makes it clear that they

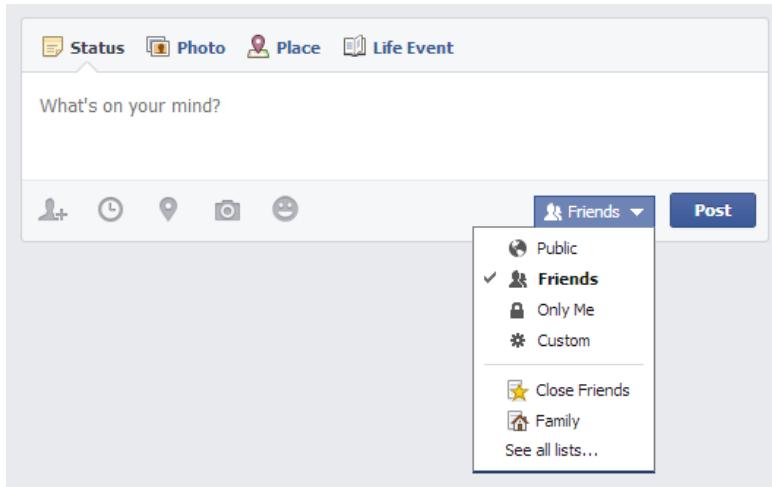


Figure 3.6: Choosing the audience for a status update.

take the safety of teens very seriously, and therefore have created a more extensive warning message, shown in Figure 3.7. This message appears when a teen changes the audience for their post. If they continue to post to the public, they will get an additional reminder message, as shown in Figure 3.8.

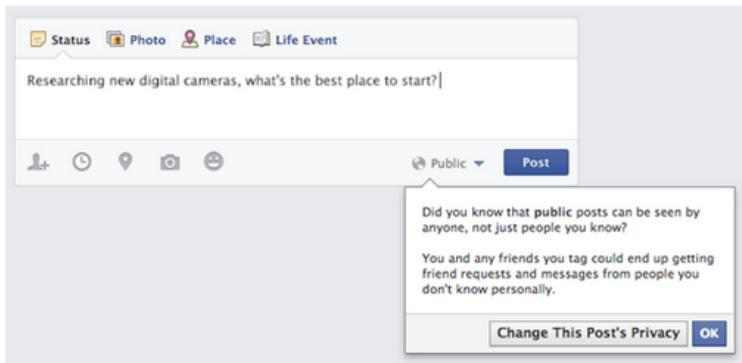


Figure 3.7: The message shown to teens when posting to the public for the first time.



Figure 3.8: **The message shown to teens when posting to the public, except for the first time.**

3.3 Facebook Features - Impact on Privacy

3.3.1 News Feed

The News Feed is the first thing shown when logged into a Facebook account. It is a list that constantly is updated. This list includes the activity from friends and info about Pages the user follow on Facebook. Examples of activities that are shown on the News Feed are photos, status updates, links, apps, likes, comments, posts written on timelines and so on. Activities with many comments or likes are often on top of the News Feed. The reason for this is that Facebook uses an algorithm to determine "top stories". This algorithm takes several elements into account when deciding top stories; number of comments, who posted it, and what kind of post it is. The users also have the opportunity to filter their news feed, for example to show only activity from close friends, most recent activities, activities of users in the same network etc. [40].

When News Feed was introduced in 2006, many users showed disapproval because they were not given the control over who could see their updates, and were not able to opt out. A consequence of this disapproval was the creation of a group called "Students Against Facebook News Feed", which got 300 000 members in two days. This led to an apology by Zuckerberg: *"We really messed this one up. We didn't build in the proper privacy controls"*. He stated that this was a big mistake on their part [41].

3.3.2 Facebook Platform - Apps

The Facebook Platform was launched in May 2007 at a developers conference in San Francisco. This feature enabled a third-party developer to build social applications [19]. These applications will then be integrated with Facebbok, both mobile and on the web. *"Right now, social networks are closed platforms"*, Zuckerberg said. *"And today, we're going to end that"* [42]. Zuckerberg promised the developers a level playing field, and the opportunity to build apps that could compete with the ones Facebook created. As well as access to the

network's, at that time, 24 million users. In [42] McKenzie talk about the launching moment as the moment when Facebook transitioned from having Myspace as a competitor, to getting Google as the competitor. Facebook went from being a wall, and started being a platform.

18 months after it was launched, Facebook had abandoned the idea of a level playing field, and started baking in features that cut off developers who tried to develop similar products as Facebook. Terms as "Zucked over" became more normal amongst developers. What was once looked at as a beautiful piece of engineering, had become a disappointment. Today the platform is mainly used to distribute games. Zynga, who made the popular game FarmVille, is about the only company who have managed to build their whole business inside the Facebook Platform. The platform did not become what was intended, and as big as everybody was hoping for. According to Facebook's own developers, it has been a hard one to swallow.

Even though Facebook Platform did not reach out to all the areas originally intended, it is still very popular. By the end of March 2012, there were more than 9 million apps and websites integrated with Facebook through the platform [43].

As mentioned in section 2.4, apps is one area that highly concerns the user's interdependent privacy. Facebook Help Center [44] explain that apps are designed to enhance the user experience with engaging games and useful features. In order for the apps to do this, they ask the user to share personal information. All apps ask for a user's basic information, this consists of name, profile picture, cover photo, gender, networks, user name, and user id. This is information that always is publicly available. Apps also have access to friend-list and any information the user choose to make public. The apps ask for this information to enhance the users experience by personalising content, helping the user find friends that also uses the app, and make sharing of information easier. As well as speeding up the sign-up process, so that the user can start using the game or app right away.

Application permissions. As of November 2013, Facebook had 54 permissions divided into 6 different categories [45]. These categories are email, permissions, extended profile properties, open graph permissions, page permissions and public profile and friend-list.

Apps privacy control. In the Facebook settings [1] under the tab "Apps" the user can manage apps, see Figure 3.5, and control what information that will be shared with apps others use. The user also has the opportunity to turn off all platform applications. The user will then no longer be able to use any games or other applications.

Installing an Application

We will now look at the process of installing an application from Facebook App Center. As mentioned earlier, when installing an app, the user will be asked to give permissions to share information. This information vary a lot, some just ask for your basic information, some



Figure 3.9: The application TripAdvisor inside Facebook's App Center.

ask for relationship status, birthday and also permission to post on a user's behalf on the Timeline. We have looked at the very popular application TripAdvisor. According to the site secure.me [46], TripAdvisor have a poor reputation because it might be a threat to a user's privacy.

Installing on a PC. When opening TripAdvisor in Facebook's App Center on a personal computer, one gets directed to TripAdvisor's page, as shown in Figure 3.9. The page contains information about the application, as well as the permissions required. These permissions are shown in the top right corner. The permissions that TripAdvisor requires exceeds beyond basic information. We can put these permissions in the following privacy groups; personal privacy, relational privacy and spatial privacy, as mentioned in section 2.4. Personal privacy contains the permissions to access personal information about the user like location, education, home town, work history, user's photos, user's status updates, e-mail address and likes. Relational privacy includes retrieving friends' profile information;

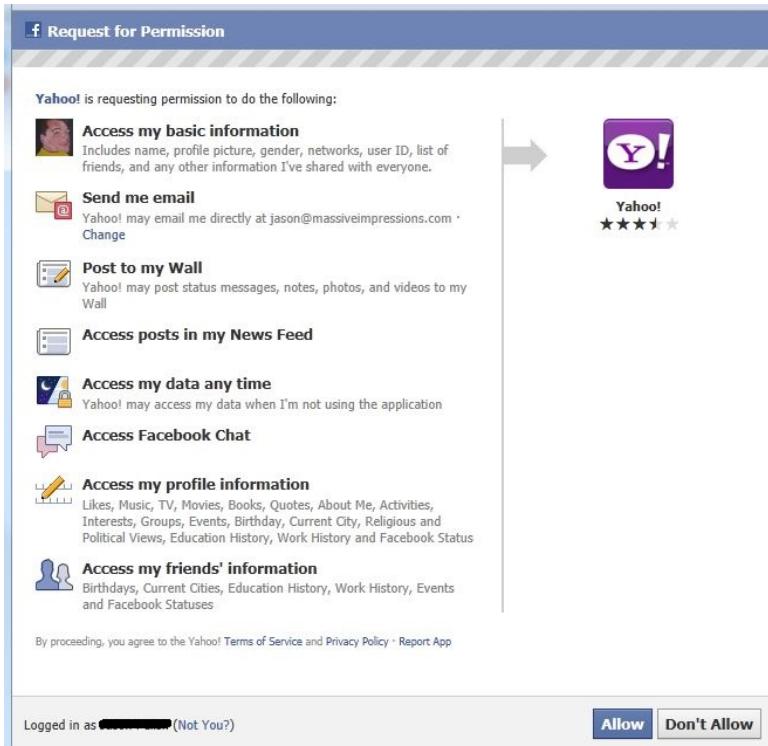
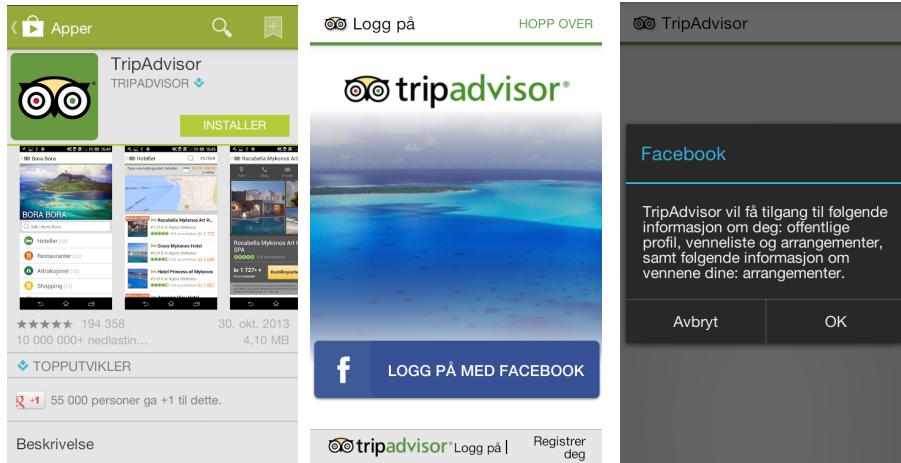


Figure 3.10: Request for permission when installing app anno 2011.

education history, home town, likes, locations and work history. As well as photos and status updates shared with the user. The last privacy category, spatial privacy, concerns posts that the app post on a user's behalf to the Timeline. By default these posts are set to public, but can easily be changed before installing the app. When pushing the "Go to App"-button, the user automatically give his/hers consent to the required permissions and install the App. This can be misleading, since the user might look for an installation button, or some kind of verification that the installation has started. This may lead to an app being installed without the user knowing. The permissions are all shown, and explained, but not as visible as they used to be before App Center was introduced. Figure 3.10 shows the authentication dialogue as of 2011, before App Center was introduced. The user got a pop-up window stating all the permissions requested by the app. The use of pop-up windows like these made it much easier for the user to review the permissions before accepting.

Installing on a mobile phone. The installation process looks a bit different when installing an app on the Facebook application on a mobile phone. When clicking on the application TripAdvisor in the Facebook mobile app, the user is directed to Apple's App Store or Android's Play Store. Figure 3.11a shows the application in Android's Play Store. When



(a) Installation page for TripAdvisor. (b) The page where you can choose "Log in with Facebook". (c) Facebook's request for permissions on mobile phone

Figure 3.11: Installing TripAdvisor on mobile phone

TripAdviser is installed, the user can choose if he/she would like to connect with Facebook as Figure 3.11b shows. If the user choose to connect with Facebook the request for permissions will appear in a pop-up window, this is shown in Figure 3.11c. The user can then choose either to cancel or press OK. When pressing OK, the user gives the app permission to access the requested information stated in the pop-up window.

3.3.3 Beacon

At the end of 2007 Facebook launched the feature Beacon. Beacon was created to help users easily share information from other websites with their Facebook friends [47]. Beacon was a key part of the Facebook Ads system. The aim was to connect businesses and users, and create more targeted advertising towards the users.

When Beacon was launched it had 44 partner sites, among these were Live Nation, Fandango, TripAdvisor, STA Travel, eBay, the Knot and Zappos. According to the Facebook announcement [47] these websites could determine which actions was most relevant and appropriate for a user to share on Facebook. This could be anything from watching a video, a new high score on an online game, posting an item for sale or completing an online purchase. When a user, that is logged on to Facebook, enters a website that is part of Beacon, they will receive a message asking whether they would like to share their actions on Facebook. If a user agree, the user's actions on that page will be shown in their news feed or mini feed, and shared with their friends.

Beacon received a lot of attention and privacy concerns. Some websites posted to Facebook without first asking the users if they want to share the information. Beacon is a very short piece of code provided by Facebook. The participating websites implement this code on the actions that they would like people to share. An example described in [48] is with the blog page TypePad. The user have the opportunity to chose whether Beacon should be turned on or not. When creating a post and publishing it the user receives a small pop-up window in the lower right corner stating that you are now sharing this information with Facebook. The pop-up allows the user to decline, but since the window is shown for a limited period of time, the user has to act quickly. When entering Facebook, a message is shown at the top of the user's wall, telling the user that a website have shared information with Facebook. The user then have the opportunity to go through and select whether that website is allowed to share at all, to just friends or to the public.

Not all websites have created an option for the users to choose for themselves whether or not to opt-in. These websites pushes to Facebook without notifying the users or lets the users select themselves that they want to share it. A much used example of this is a man buying a diamond engagement ring online [49]. Within hours he starts receiving congratulations from friends and family. The website had posted the purchase on the guys public Facebook page, including a link to the purchase and the price. All his friends received an notification, including his coming fiancée. So much for the surprise engagement. This is unfortunate for the user, but also for the companies using Beacon, since it puts them in a negative light. Beacon could have been a great asset for companies, and a great way for them to broadcast themselves.

Another problem was that Beacon only checked that someone was logged into Facebook. When several people use one computer it could create problems, since Beacon was machine specific. One family member, the mother, could be logged in, while her young son was playing an online game, and manages to achieve a new high score. This high score will then be posted on the mother's Facebook news feed. This is not very fortunate for the mother. Beacon only checks that there is a valid Facebook cookie on the machine and then pushes the content to that Facebook user, without any validation.

In a blog post, Mark Zuckerberg apologized for the way the feature was created and for the handling of complaints in hindsight [50]. Zuckerberg explains that one of the problems with making the system opt-out, was that if a Facebook user forgot to decline something, Beacon still went ahead and posted and shared with the users friends. Further he explains that it took them too long from they started receiving complaints to they were able to decide on a solution to the issues. Facebook released features that gave the users more control, and gave the users the ability to turn off Beacon completely. In addition, Facebook promised their users that they did not save the information Facebook received from the participating websites when the user had chosen to not use Beacon.

All of Beacon's issues resulted in a lawsuit against Facebook, and some of the participating companies. The lawsuit resulted in a settlement, where Facebook agreed to shut down the feature and gave \$9,5 million to found a new non-profit foundation that would work with online privacy, security and safety [51]. Beacon was shut down in September 2009. Beacon is mentioned as one of the darkest marks in the history of social networks.

3.3.4 Facebook Connect - "Log in with Facebook"

From May 2008 users had the ability to connect and log in to other web pages via Facebook, "log in with Facebook". The users are allowed to connect their Facebook identity, friends, and privacy to any website supporting this feature. This was Facebook's first attempt to allow access to user data from Facebook outside of Facebook itself. The important features of Facebook Connect are stated in Table 3.3.

Table 3.3: Facebook Connect Features [4, 5].

| Feature | Description |
|------------------------|---|
| Trusted Authentication | Authentication when users connect their account to a third party. During the user's experience the developer could at any time like to add additional social context. These activities need authentication from the user. In other words, the user have total control over the permissions that are granted. |
| Real Identity | The users can bring information linked to their real identity with them on the web to a third party website. This information includes basic profile information, profile picture, name, friend-list, photos, events, groups etc. |
| Friends Access | As mentioned, the users take their friends with them to third party sites. This makes it possible for the developers to add social context to the sites. The user will also get notified if some Facebook friends already have an account on the site. |
| Dynamic Privacy | When the users move around from one place on the web to another, they always bring their privacy settings with them. This is done so one can be sure that their information and privacy settings are updated at any time. In other words, when a user update the privacy settings on Facebook, they will automatically be updated on third party sites. |

3.3.5 Places

The feature Places was launched in the United States August 2010, and later in the rest of the world. This feature, "Check-in", enables the users to share a place that they really like with



Figure 3.12: **Nearby function on Facebook's mobile application.**

their friends, using their mobile device [52]. This can be a café, a new restaurant, a concert or maybe a nice hiking trail. Have you ever been to a concert and found out afterwards that several of your friends also where there? This is what the feature Places solves. You can for example check-in to a concert, and see who else is there, or see which friends are close by. After having checked in at a place, the check-in will appear on your friend's News Feed. It is possible to tag the friends you are with. The user are in control of what is shared and who it is shared with. If a user is tagged in a check-in, they will always be notified. The default audience is "Friends", unless the users choose to share differently, for example with "Everyone".

This feature is also used with third-party applications, like TripAdvisor or other travel planning applications. They collect a user's check-ins to generate a map that shows where the in the world the user has been. So if you are planning on going to Paris, you can see who else has been there and also at what places, restaurants etc., they have checked in to. When you write a post on Facebook you can decide if you would like to add a location to the post. When creating the post, the user can also decide the audience. On the mobile phone it is a little bit different. Here the location setting is located in the phone settings and not in the Facebook settings. The location service on the phone can get your location by using Wi-Fi, mobile network or GPS signals. When a user writes a post and wants to add a location, the phone asks the user to turn on GPS, this to get a more accurate location. If the users decide not to turn it on, he/she can write in a location, for example "Oslo", and Facebook will suggest places. A feature on the Facebook's mobile application is "Places nearby". Here the user can see what places that are close to their current location, and which friends that have liked the place or/and checked in there, and ratings from other users. This is shown in Figure 3.12 and Figure 3.13. A user also have the ability to add locations to photos that they post themselves or that others have posted.



Figure 3.13: The "Places nearby" feature. Displaying places close to their current location.

3.3.6 Timeline

Facebook Timeline was introduced in December 2011 [20]. This feature made the entire history of the users visible: your posts, posts by others, likes, photos, links, pages liked, comments and other things that the user have shared on Facebook. The timeline showed much more than the old profile, and it was far more visual [53]. On the top of a user's timeline it is room for a big photo. This photo is called a *cover photo*. Cover photos are publicly available, and it is not possible to change the settings for them. The user can of course choose which photo is wanted as the cover photo, or just choose to not have a photo there at all. When scrolling down your timeline, you see photos, posts etc. and different events in your life in order of when they happened in time [53]. The user can look at it as the story of his/hers life. The user get the opportunity to "go back in time" and fill in the blanks. If the user want to emphasize, for example an event or a photo, the user can highlight it with a star, or on the other hand, hide something from the timeline that is not wanted there.

Privacy concerns regarding Facebook timeline

When Timeline was introduced many people became overwhelmed by the changes, and felt they lost control over their privacy. When a user agreed to start using timeline, the user got a certain period of time to review and edit the timeline before making it public. This gave the users the opportunity to clean up their timeline before everyone else could view the content of it. Cleaning up the timeline can be done using something called the "Activity Log" [54].

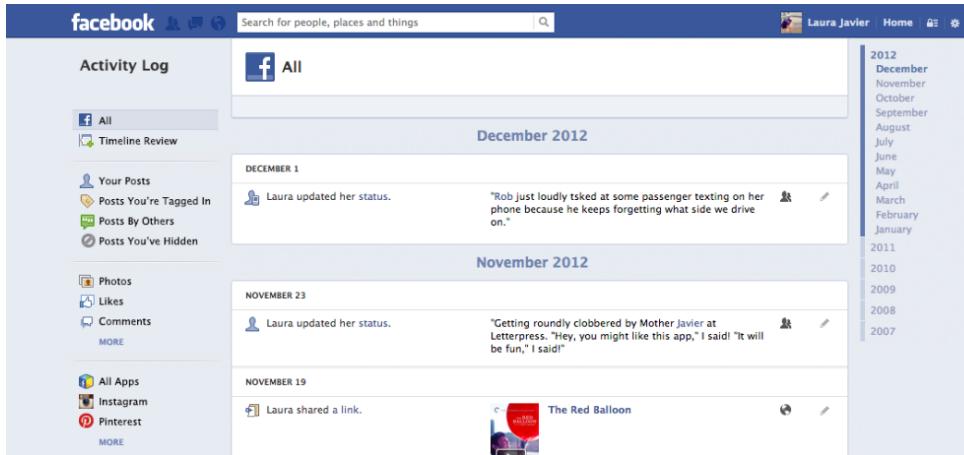


Figure 3.14: Example of an activity log on Facebook.

The Activity Log is basically a list over everything ever done in connection with a user on Facebook, either done by the user or by others. The activity log also makes it easy to view and change the audience for the different "activities". Figure 3.14 shows an example of an activity log. On the left side you see types of content. If a user want to view for example "Posts by others", he/she can do so. To the right you see a list of the years and months. A user can click on a year or month, and review the activity from that year/month [54]. If the user are an active user of Facebook, reviewing the whole activity log can be very time consuming.

The introduction of Timeline was not in itself a privacy breach since the user had, and still have, the opportunity to decide what he/she want visible on the timeline, and what content should preferably be hidden. On the other hand, there are people who are extra exposed when Facebook introduced new major changes, like the timeline. Let us refer back to section 2.3 in Chapter 2, where we highlighted some of the findings from the survey addressed in [22]. Boyd and Hargittai concluded their paper, based on their survey and findings, that experience and Internet skill is important to take into account in regard to how people handle their privacy settings on Facebook. Since familiarity with technology plays a role in how people handle their Facebook privacy/security settings, one might assume that the less skilled people get more exposed when Facebook changes the outline of the default privacy settings. This can be seen in the context with the introduction of the timeline. The less skilled users of Facebook that perhaps do not know how to change their privacy settings, probably was left extra exposed when the timeline was introduced. Their timeline may have shown, and may still show, more than they actually would prefer.

There also exists privacy settings connected to a user's timeline under "Timeline and tagging" in the Facebook settings (see section 3.1). A user can regulate who can add things

to the timeline, and who can see things on the timeline. Under "Privacy" the user can also regulate who can see your future posts.

3.3.7 Graph Search

Graph Search is a semantic search engine introduced in a beta version by Facebook in March 2013. During the summer 2013 the Graph Search became available for everyone using Facebook with US English language [55]. The old search bar at the top of the page is replaced with a larger search bar, Graph Search [56]. The Graph Search enables the users to search using natural language queries, and not just keywords. In addition to this the search results will be based on both relationships and content [55]. Two examples are "Photos of 'friend's name' are tagged in" and "Restaurants in Oslo, Norway visited by my friends". The basic idea is that the users are given the possibility to search Facebook for different information (photos, people, places etc.) in a specific subset, specifying the queries [57]. To emphasize how specific the search can be, we will provide you with an example. Let us say you met someone at a party and the only thing you know about the person is the name, where the person goes to school and you know that the person is a friend of one of your Facebook friends. Then you can write a query which reads as follows: "*People named 'name of the person' that are friends with 'name of the common acquaintance' and who go to 'name of school'*". Of course this may not give the outcome you wished for, if the person for example have not given any information about where he/she goes to school on Facebook. Just having the opportunity to perform such queries gives the user more power, and makes it easier to connect to new people.

Zuckerberg says that Graph Search is centred around "making new connections" [57]. Facebook emphasizes that the purpose of Graph Search is not to replace traditional web search. The Graph Search concerns, on the other hand, the filtering of all photos and all connections on Facebook. Since Facebook is the largest online social network in the work, it is *not just a few* photos and connections available, but over 240 billion photos and over 1 trillion connections. The choices a user have made in the settings determine what friends and others can see when they conduct a Graph Search [58]. If a photo is set to "Only me" no one else can find it in the search, if it is set to "Friends" friends can find it in their search, and if it is set to "Public" anyone who searches for it can find it. Graph Search is, in other words, a good tool for viewing as many photos as possible of people who are not your Facebook friends. The photos of a user that are public will come up in a Graph Search regardless of how the user have set the privacy settings. As long as someone have posted a photo of a person as public, the entire Facebook can find and view this photo via Graph Search. So if you are interested in viewing pictures of a specific person who is not your friend on Facebook, it is not necessary to start digging through numerous albums and so on, but rather with a quick search.

A limited group of people got access to Graph Search in January 2013. During a

introductory press conference, Mark Zuckerberg stated that Graph Search was in its early stages, and that it will take years to complete it. He said: "*Graph Search is a really big project, and it's going to take years and years to index the whole map of the graph*". After the introduction of Graph Search, many questions were brought up regarding the privacy issues. One of the issues brought up, was that the tool makes it easier for people to retrieve information and photos about other people, who do not want this content to be available and seen. The fact is that people only get to view content they already could view, but it makes it much easier to find this content. Facebook assured that Graph Search does not affect the privacy of minors. They stated that identifying information about those between the ages of 13 and 17 would only be shared with the minor's friends of friends [59].

Graph search is for the time being still only available for users using US English language on their Facebook, but is a work in progress. Facebook has stated that further work on the feature deals with searching across posts, comments and mobile [59].

3.3.8 Facebook Removes Search Privacy Setting

October 11, 2013, Facebook announced that they will remove the setting that until now had made it possible for Facebook users to hide from the ability to be looked up on the Internet [60]. The change only affected the users that had not changed the setting: "Do you want other search engines to link to your timeline?" under "Who can look me up?". Facebook explained the removal of the feature by it being outdated, and that there are several other ways to find a person's Timeline. Mark Zuckerberg argued that users should not have information they do not want everyone to see set to public anyway, so it is irrelevant whether or not someone can find you on Google.

3.4 Zuckerberg's Thoughts

Zuckerberg once said this about Facebook in one of his meetings: "*I mean, one way to look at the goal of the site is to increase people's understanding of the world around them, to increase their information supply*", he said. "*The way you do that best is by having people share as much information as they are comfortable with. The way you make people comfortable is by giving them control over exactly who can see what*" [13].

This comment from Zuckerberg brings out his thoughts around the privacy issues. He wants the users of Facebook to be comfortable with sharing information, and give them confidence by giving them control. In general Facebook's privacy settings and restrictions have protected the users. They can easily change the setting and decide who can see what. Zuckerberg firmly means that a user should not post comments or pictures of things one does not want anybody else to see. And if a user does so, the user has to take the blame for it, not Facebook. Zuckerberg was once asked about pictures put on Facebook of students drinking at an East Coast college, which led to some students being expelled. His answer

was: "*First of all, it's pretty stupid if you put up pictures of you doing drugs on Facebook. I think that that's just sort of the deviant behavior on the very far end of the distribution. I bet that those kids do not post pictures of them doing drugs on Facebook anymore.*" He added that he meant this was a "*pretty shitty way to learn that*" [13].

Mark Zuckerberg wrote this in a letter to possible investors [61]: "*Facebook was not originally created to be a company. It was built to accomplish a social mission - to make the world more open and connected. People sharing more - even if just with their close friends or families - creates a more open culture and leads to a better understanding of the lives and perspectives of others. We believe that this creates a greater number of stronger relationships between people, and that it helps people get exposed to a greater number of diverse perspectives.*" Even though Facebook was not originally created to be a company, they pretty fast ended up as one. The reality is not as picture-perfect as their vision. When people share enormous amounts of personal information, their privacy is bound to be affected.

Chapter 4

Construction of the Survey

To be able to map to what extent people care, and are aware, of their Facebook settings, regarding privacy, security and interdependent privacy, we designed and distributed a survey. The complete survey can be found in Appendix A. The survey addressed the different settings available on Facebook, and awareness regarding Facebook applications and knowledge about interdependent privacy. For the design of the survey we utilized SurveyMonkey, which provide a web-based survey solution (see section 2.6). We distributed the survey on two platforms, namely Amazon Mechanical Turk (MTurk) and Facebook. Amazon Mechanical Turk is a Internet marketplace where human intelligence is utilized to perform various tasks [27]. For more information about Amazon Mechanical Turk, see section 2.5. To reach out to an even larger audience, we also posted the survey-link on our private Facebook pages. In this chapter we will describe how we designed the survey, and how it was structured, and how we distributed our survey.

Constructing the Survey.

There is not much research on the area of interdependent privacy. When designing the questions to our survey, we wanted to be able to create an image of people's Facebook usage, how they set their settings, how much they knew and cared about their privacy, and to what extent their privacy was dependent on other users. We quickly chose to use MTurk as a platform for distributing the survey, because we wanted to create an image of the average Facebook user, as well as getting a high diversity among the respondents (different countries, age, education etc.). Previous research shows positive results with the use of MTurk [12, 29].

We started implementing the survey inside the survey template provided by MTurk, but after some consideration, we found that MTurk did not fulfil our requirements for design. We therefore chose to implement the survey using SurveyMonkey instead. During the creation of the survey, we thought that it would be better to include some extra questions, rather than leaving some out. This was to assure that we got all the information we would need in order to perform our analysis. When the survey first was distributed, we were no longer able to edit the questions. We therefore chose to include questions, not only regarding privacy

and interdependent privacy, but also other aspects of Facebook usage. Like for instance some questions about security settings, usage, personal experience in regard to photos and comment sharing.

4.1 Design

MTurk offers a template for creating surveys, and this template uses HTML-code. It is simple, but requires more work and knowledge from the requester. We found the template to not be very user friendly, and it did not offer many design options. Our survey consisted of many questions, and some of them had follow-up questions requiring text answers. It was then desirable to separate these into two different pages, as we did not want the respondents to have their answers affected by the next question. It required more of the respondent to write a text answer, so to avoid them answering based on the next question we separated the questions onto different pages. For example, we had one question asking whether or not the use of Facebook has lead to any uncomfortable situations. If the user answered "Yes", a follow-up question asking to describe the situation that occurred would appear. If the user answered "No" the follow-up question would be skipped. If the user had seen the follow-up question, he/she may not be bothered to answer yes even though this may have been the truthful answer. We did not find an easy solution to implement this design feature in MTurk, so we looked for other options. In addition to providing their own "Survey"-template, MTurk also provides a "Survey Link"-template. This means that you can create the survey somewhere else, and link to it in MTurk. We chose the latter, and used SurveyMonkey to create our survey. SurveyMonkey provided us with the tools and features necessary to design our survey as desired.

Features we used in SurveyMonkey.

SurveyMonkey offers several features, and has an intuitive and simple user interface. It was easy to implement the questions, and separate them into different pages, which was of high value to us. SurveyMonkey offers the ability to customize the appearance (color/theme, layout, etc.) of the survey to a higher extent than MTurk. We included a picture of the university logo, to emphasize the seriousness of the survey, as shown in Figure 4.1. SurveyMonkey also offers many different types of question forms, like multiple choice, text box, matrix and drop-down menus, and restrictions on the questions. Some of the restrictions that we used was to limit the amount of characters in the text boxes, to avoid too long answers. We also made almost all questions mandatory, meaning that the respondents had to answer them before being able to move on to the next question. As mentioned we divided the questions on to several different pages. In addition to the advantages already mentioned, it would also give the respondents the impression that the survey is shorter. Each page has a title at the top, grouping the different areas. A progress bar was added to the bottom, showing in percent how far into the survey the respondent was at any time. This gave a good overview, and the

The screenshot shows the beginning of a survey titled "Interdependent Privacy on Facebook". At the top left is the NTNU logo and text: "NTNU Norwegian University of Science and Technology". Below the title is a sub-header: "Survey on Facebook privacy (research for the Norwegian University of Science and Technology)". A descriptive paragraph explains the purpose: "We are two master students conducting a survey to gauge user knowledge on certain aspects of Facebook privacy. The survey will be the foundation of a research project, which we are carrying out for Norwegian University of Science and Technology." Another paragraph provides instructions: "In order to answer some of the questions in this survey, you are required to be logged in to your main account on Facebook, and go to your "Settings" page (accessible as a drop-down menu marked by either a "wheel" or an "arrow" in the top bar of your Facebook starting page). Before such questions you will be directed under which tab you find the requested information." At the bottom of the page is a progress bar showing "5%" and a "Next" button.

Figure 4.1: Front page of the survey.

user got a feeling of how much was left of the survey. We chose to use these features to avoid overwhelming the respondents with too many questions at a time.

SurveyMonkey offers a great user interface also when it comes to reviewing the answers. It is possible to see graphs showing the distribution of answers to all of the questions, as well as individual answers. SurveyMonkey also offers features as filtering and comparing, which made the analysis a lot easier, especially when having a large number of respondents.

4.2 Survey Structure

The first page seen when taking the survey, was an introduction page that shortly explained what the survey was about, and its purpose. This page emphasized the seriousness of the survey. When people saw that it was a research survey carried out by master students at an university, we believed people would answer in a serious manner. The front page also included the requirements for taking the survey, and a short explanation on where to find answers requested in some of the questions. This is shown in Figure 4.1. As mentioned earlier, we divided the questions into different areas, and we will now go through each area emphasizing and elaborating the questions we considered most relevant and important.

4.2.1 Facebook Usage

Following the first page, was a single page about Facebook usage. This page included questions about sign-up year, how often they checked their Facebook page, and number of friends.

4.2.2 Facebook Privacy: Settings

This was a part of the survey where the users needed to be logged into their main account on Facebook in order to check how their privacy settings looked. The questions were taken directly from the "Privacy"-settings and "Timeline and tagging"-settings on Facebook. We divided these questions on to 4 different pages. Before we started asking about specific settings, we asked the users how often they had checked their Facebook privacy settings during the last year. The following pages asked for the privacy settings, and the other for the timeline and tagging settings. These questions were straightforward for the user, since all they had to do was to render the settings they had set themselves. This would easily show us how many of the survey participants that actually had checked their settings, and to what extent they had made them more, or less, private than default. At the end we asked the users whether or not they considered changing their settings after having reviewed them. This could make for some interesting observations, and could also give an impression of whether or not the users cared or were aware of the settings.

4.2.3 Facebook Privacy: Personal Experience

This group of questions focused on the users' personal experience with concern to both privacy and interdependent privacy. We asked whether or not the respondents had experienced that their use of Facebook had affected their professional life, or led to any uncomfortable situations. Both of these questions had a follow-up question where the users were asked to describe the situation that occurred. The user would only be sent to the page with the follow-up question if the user answered yes. If the user answered no, the page with the follow-up question would be skipped.

A big part of Facebook consists of sharing photos and comments with others, we therefore asked the respondents to indicate on a scale from 1 to 5 how much they care about what was published about themselves, and what they publish about others, see Figure 4.2. It was mandatory for the users to give an answer on the scale. We added a text box for the users to elaborate if desired, but this was voluntarily. We received a total of 250 responses on our survey, and 190 of them chose to elaborate.

4.2.4 Facebook Privacy: Apps

This was the part of the survey that concerned interdependent privacy (see section 2.4), and also the most important part of our survey. As mentioned earlier, this is a relatively unknown term, so we wanted to find out whether or not the respondents knew the meaning of interdependent privacy. When installing an app on Facebook, it asks for the user's basic information, and often more information about the user and the user's friends. For more detailed information about the app-platform, see subsection 3.3.2. Question 26, 27, 28 and 29 (see Figure 4.3 and Figure 4.4) asked about the user's awareness regarding what kind of information the apps could retrieve. There exists settings directed towards apps on Facebook



Interdependent Privacy on Facebook

Facebook privacy: personal experience

*21. To what degree do you care about what is published about yourself on a scale from 1 - 5, where 1 is "Don't care at all, everything can be public" and 5 is "I untag and hide everything that is published of me" (pictures, comments etc.)? Please elaborate in the text box below.

1

2

3

4

5

Please elaborate:

*22. To what degree are you selective about what you post about others on a scale from 1 - 5, where 1 is "I am not selective at all, I post everything" and 5 is "I never post anything about anyone" (pictures, comments etc.)? Please elaborate in the text box below

1

2

3

4

5

Please elaborate:

*23. Is it important to you that the content of your profile is only visible to your facebook friends? Please explain.



Prev

Next

Figure 4.2: Question 21 and 22 in the survey concerning personal experience.

(see Table 3.1). Question 25 concerned the number of apps the respondents use. Question 26, 27, 28 and 29 concerned the user's awareness connected to apps permission requests on Facebook. In question 30 (Figure 4.4) we asked the user to look at one of the app settings, "Apps others use". In this setting the user can decide what information they want to make available to apps other people use, in other words, control the categories of information that people can bring with them when they use apps. We did not ask for more specifics about what information they share, because this was not relevant to our research. What was relevant was whether or not they knew it existed, and were aware of what kind of information they shared. We finished this part of the survey with the same question we started it with, if they



Interdependent Privacy on Facebook

Facebook privacy: apps

For Q25: check under the tab "Apps > Apps you use".

*25. Under the tab "Apps > Apps you use" in your Facebook settings, you can see the list of apps you use. How many apps do you use?

- None 1-5 6-10 11-20 21-30 More than 30

*26. Are you aware of the fact that ALL apps you install on Facebook have access to your basic information, including the list of your friends?

- Yes No

*27. Did you know that A SIGNIFICANT PORTION of Facebook apps you install can post information on your behalf to your and your friends' timeline? (E.g., Spotify posts songs you have listened to.)

- Yes No



Figure 4.3: Question 25, 26 and 27 in the survey concerning Facebook apps.

knew the meaning of interdependent privacy. We wanted to ask again to see if they got a higher understanding of the term after answering questions about apps, and saw how it is all interconnected.

4.2.5 Facebook Security: Settings

The main focus in this report is on privacy, not security. At the same time, we wanted to ask a few questions regarding Facebook security settings as well. The reason for this was that we wanted to see if there was a connection between strict security settings, and strict privacy settings among the respondents. The questions concerned whether or not the respondents used secure browsing and login notification.

4.2.6 Demographics

In the last part of our survey, we asked for demographic information about the respondents. This to get a hunch of what kind of people had taken the survey. We chose to put the



Interdependent Privacy on Facebook

Facebook privacy: apps

*28. Did you know that SOME Facebook apps you install have access to your friends' private information, such as religious view, interests or relationships?

Yes No

*29. Did you know that SOME Facebook apps you install have access to relational information, such as private chat messages and joint events between you and your friends?

Yes No

*30. In order to avoid that apps used by your friends can access your personal information, you can edit the settings under the tab "Apps > Apps others use" in your Facebook settings. Have you been aware of these settings?

- Yes, I am aware of them, but haven't changed the default settings.
- Yes, I am aware of them, and have changed the settings.
- No, I was not aware of them, and will not change the default settings.
- No, I was not aware of them, but I will look into if I want to change my settings now.

31. After answering the last few questions about privacy issues regarding Facebook apps, do you have an idea about what interdependent privacy means with regard to Facebook? If so, please try to describe it below. Please do NOT use Google or any other search engine to find the answer. If you don't know the answer, just leave the field blank.



Prev Next

Figure 4.4: Question 28, 29, 30 and 31 in the survey concerning Facebook apps.

demographics part at the end, rather than at the beginning. We assumed that a respondent's attention span would get lower during the survey, we therefore wanted to put the "easy" questions at the end, since they require less focus. These questions consisted of: gender, age, country, family situation, highest qualification/degree, employment status and income. Although these questions were easy to answer, they were very important to include. When analysing, they are necessary in order to draw comparisons between, for example, age and/or gender. An interesting factor will be to look at where the respondents using MTurk come from.

4.3 Distributing the Survey

First we created a requester account on MTurk. We did this using an already existing Amazon account. While creating the project (our project contained only one HIT) we filled out the properties shown in Figure 4.5. First we had to give a short title and description to describe our HIT to the workers. This is the information that is shown to the workers before they choose to accept, or skip, the HIT. We also had to decide a reward for the workers. We had limited time, and wanted our HIT to be as attractive as possible, and therefore chose to have a higher reward than average. We set the reward to be \$1.5 per completed assignment. We estimated that it would take approximately 15 minutes to take the survey, and this would give an hourly wage of \$6. We were also asked to set a maximum number of assignments per HIT, this means number of unique answers. We set this number to be 250. We felt that 250 responses would give us a very good foundation to base our analysis on. MTurk defines a feature that let the requester review the answers, and then choose to either approve or discard them. When discarding an answer, the worker would not get paid. If we did not manually approve the answers, they would automatically be approved after 3 days. We made the HIT available for only 21 days. To get a high quality on the responses, we were advised to use "Master Workers". This is users that have a good reputation from previous work done on MTurk. See section 1.3 for more information about "Master Workers".

Next we filled in the "Survey-Link"-template provided by MTurk, and the result of this is shown in Figure 4.6. It contains a title and a short description. In the description we linked to the homepage of the Norwegian University of Science and Technology, to emphasize the seriousness of the survey. In addition it contained the link to the survey on SurveyMonkey, as well as a field for the users to enter a survey code. This code was provided to them after completing the survey, and worked as an assurance for us, so we only paid the people who actually took the survey. To avoid workers cheating with the code (for example getting the code from a fellow MTurk-worker), we changed it several times during the survey's lifetime.

After editing the project, as described above, the HIT was ready to be published. The published HIT is shown in Figure 4.7. After filtering on HITs requiring "master" qualification, our HIT is shown at the top. Once our HIT was out, all we could do were to monitor it (approve or discard answers), and wait for people to respond.

We mainly wanted to distribute our survey on MTurk, to try it out as a research tool, and because of its high diversity. But in addition to distributing the survey on MTurk, we decided to also share it with our friends on Facebook. We wanted to reach out to an even wider audience, as well as making our Facebook friends aware of their settings. Most of our Facebook friends mainly consist of fellow students, with high technical knowledge. We were hoping for at least 30 extra respondents as a result from our post on our private Facebook profiles. We received 77 respondents and were amazed with the outcome. A few times during the 3 weeks the survey was out, we pushed our post to the top of our friends' news feeds by

The screenshot shows the 'Edit Project' page on the Amazon Mechanical Turk Requester interface. At the top, there are tabs for Home, Create, Manage, Developer, and Help. Below that, a sub-menu shows 'New Project' and 'New Batch with an Existing Project'. The main area is titled 'Edit Project' and contains sections for 'Specify the properties that are common for all of the HITs created using this project.' and 'Describe your HIT to Workers.'.

Specify the properties that are common for all of the HITs created using this project.

- Project Name:** Interdependent privacy on Facebook (This name is not displayed to Workers.)
- Title:** 15-minute survey on Facebook privacy (research for the Norwegian University of Science and Technology)
Describe the task to Workers. Be as specific as possible, e.g. "answer a survey about movies". Instead of "short survey", so Workers know what to expect.
- Description:** How much do you value your privacy on Facebook, and to what degree are you aware of the interdependent privacy issues related to it?
Give more detail about this task. This gives Workers a bit more information before they decide to view your HIT.
- Keywords:** survey, facebook, privacy, interdependent privacy, security, apps
Provide keywords that will help Workers search for your HITs.
- Content Warning:** This project may contain potentially explicit or offensive content, for example, nudity. (See details)

Setting up your HIT

- Reward per assignment:** \$ 1.5
Tip: Consider how long it will take a Worker to complete each task. A 30 second task that pays \$0.05 is a \$6.00 hourly wage.
- Number of assignments per HIT:** 250
How many unique Workers do you want to work on each HIT?
- Time allotted per assignment:** 1 Hours
Maximum time a Worker has to work on a single task. Be generous so that Workers are not rushed.
- HIT expires in:** 21 Days
Maximum time your HIT will be available to Workers on Mechanical Turk.
- Results are automatically approved in:** 3 Days
After this time, all unreviewed work is approved and Workers are paid.

Figure 4.5: Layout for creating an MTurk project.

commenting on it. Three of our friends even chose to share it on their own Facebook profile. This was probably one of the reasons why we got more answered than expected. We posted the survey on Facebook a few days later than the HIT was published on MTurk.

Figure 4.8 and Figure 4.9 shows the daily distribution of number of answers, from MTurk and Facebook respectively. You can see from Figure 4.8 that we had the highest peak in responses the day it was published on MTurk, with 55 unique answers, and the second day it dropped to 13 answers. The number of responses varied during the rest of the period, as the figure shows.

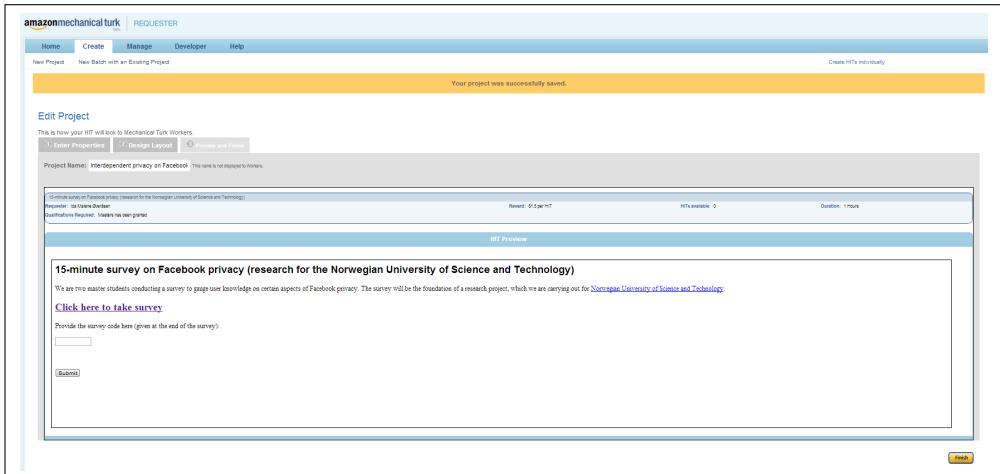


Figure 4.6: The design and layout of the survey on MTurk.

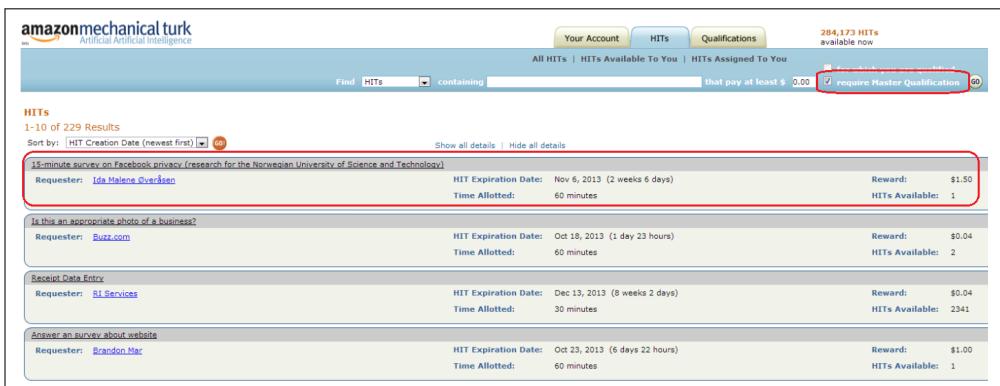


Figure 4.7: Our HIT is published. This figure shows our HIT in the list of all HITs available that requires "Master Workers".

4.4 Feedback on the Survey

We got a lot of positive feedback on our survey from our Facebook friends. Many have "liked" it, and many have commented on it. The comments focused mainly on the eye opening aspects of the survey and that it was informative. Some said the survey made them clean-up their settings. Some mentioned that they believed they had good control over their settings, but after taking the survey they realized that this was not the case. Overall, the feedback was very positive. As mentioned above, three of our Facebook friends even chose to share the survey further, meaning that they were pleased with it and thought it was both good and informative.

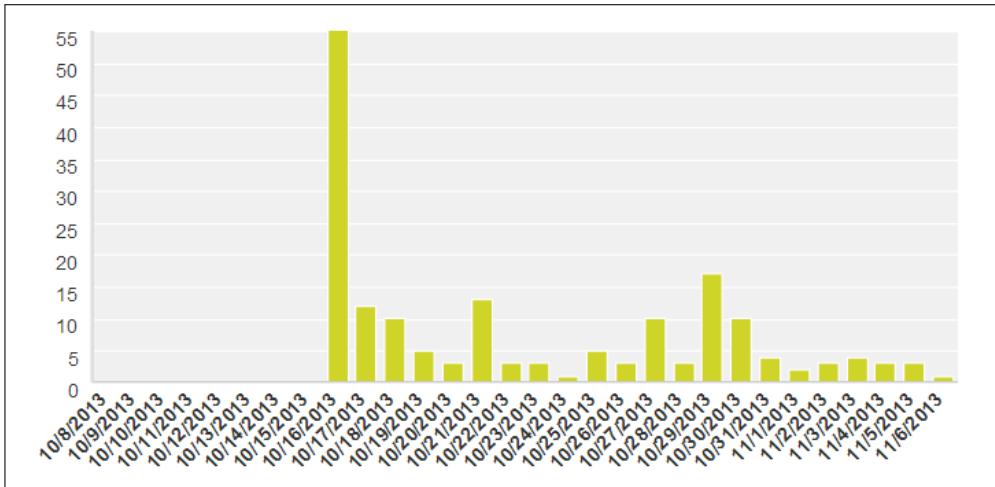


Figure 4.8: Daily distribution of number of answers from MTurk.

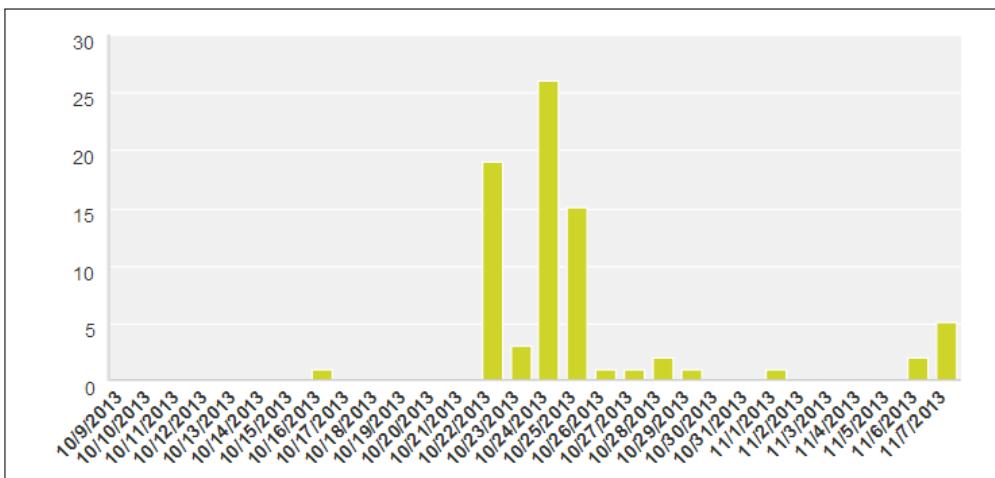


Figure 4.9: Daily distribution of number of answers from Facebook.

Our survey has also been mentioned in forums as, for example, mturkform.com and mturkgrind.com. Most of the comments regarding our survey on these forums were about the time consumed taking the survey and it's complexity. The comments from mturkforum was: "*Time 5 min 35 sec - slow b/c I wanted to learn more about FB privacy...*" and "*Took 8 minutes, light writing but very simple*". The comments from mturkgrind was: "*About 5 minutes*" and "*Took 8 minutes, very simple and probably could do it in less time. Light writing*".

Chapter 5

Survey Results

The survey we created was available for three weeks, and in that period of time we collected 250 responses from 13 different countries. In this chapter we will go through the results of the survey. All survey results can be found in Appendix B. First we will go through the demographics to get an image of our respondents. We will then compare and analyse the results with focus on how often the respondents check their Facebook settings, and their app awareness. We look at how "the ones who have never checked their Facebook privacy settings during the last year", and "the ones who check their Facebook settings once a month, or once a week or more" have changed their settings from the default settings. We will then look at the questions regarding the users' personal experience. After this we go through and analyze the questions regarding Facebook apps, and the interdependent privacy issues related to them.

Throughout our analysis, we investigate the following hypotheses:

Hypothesis 1 "People that check their Facebook settings seldom do not have as private/secure settings as the ones who check their settings often. Also these people do not have as much knowledge about app permission requests as the ones who check their Facebook settings often."

Hypothesis 2 "People with many apps have less knowledge about the app permission requests, and less knowledge about the existence of the setting "Apps others use"."

Last, but not least, we will draw some comparisons between the results, and look at the results that were not as expected and did not correlate with our hypothesis.

5.1 Demographics

As mentioned, we distributed our survey on two platforms; Amazon Mechanical Turk (MTurk) and Facebook. In total, we received 250 responses from 13 different countries. As

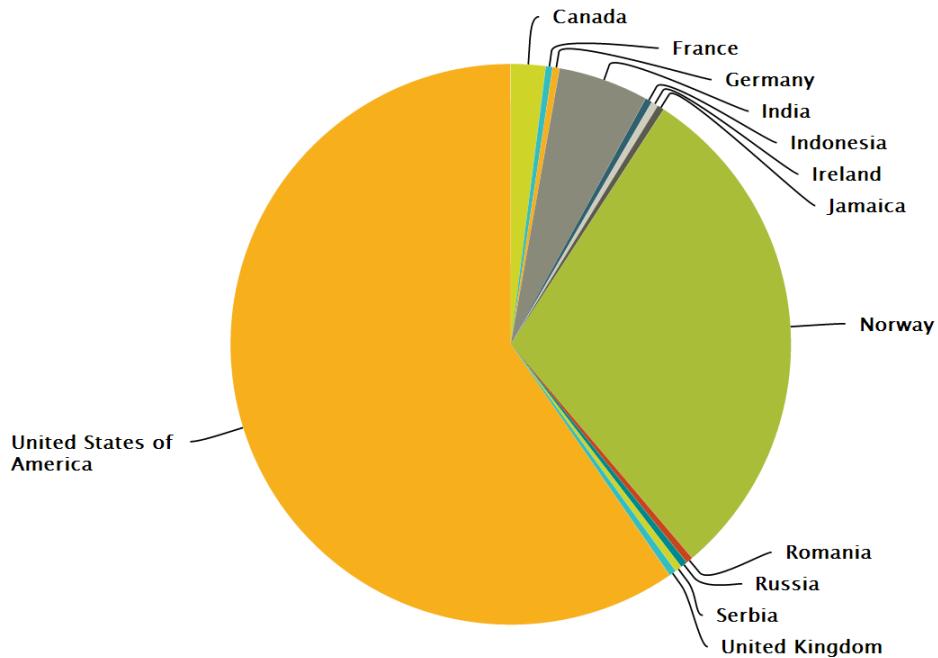


Figure 5.1: Total distribution of the participants' country of origin. Most of the participants are from the United States of America and Norway.

you can see in Figure 5.1, the distribution of countries was mainly divided between two, the United States of America and Norway. Other countries were also represented; Canada, France, Germany, India, Indonesia, Ireland, Jamaica, Romania, Russia, Serbia and United Kingdom. 77 of the 250 responses were collected through the Facebook link, and out of these people 96% (74 people) were from Norway. 173 of the 250 respondents took the survey via Amazon Mechanical Turk, and out of these people 85.5% (148 people) were from the United States of America.

Gender. The majority of the total respondents were female. They accounted for 56.80% of the responses (142), while 43.20% of the total respondents were male (108). We saw a difference in the gender distribution from the Facebook link and from MTurk. On MTurk 38.15% were men, and 61.85% were female. On Facebook 54.55% were male, and 45.45% were female. In other words the majority of respondents on MTurk were females, in contrary to Facebook, where the majority of respondents were men. The difference in gender distribution is shown in the Figure 5.2.

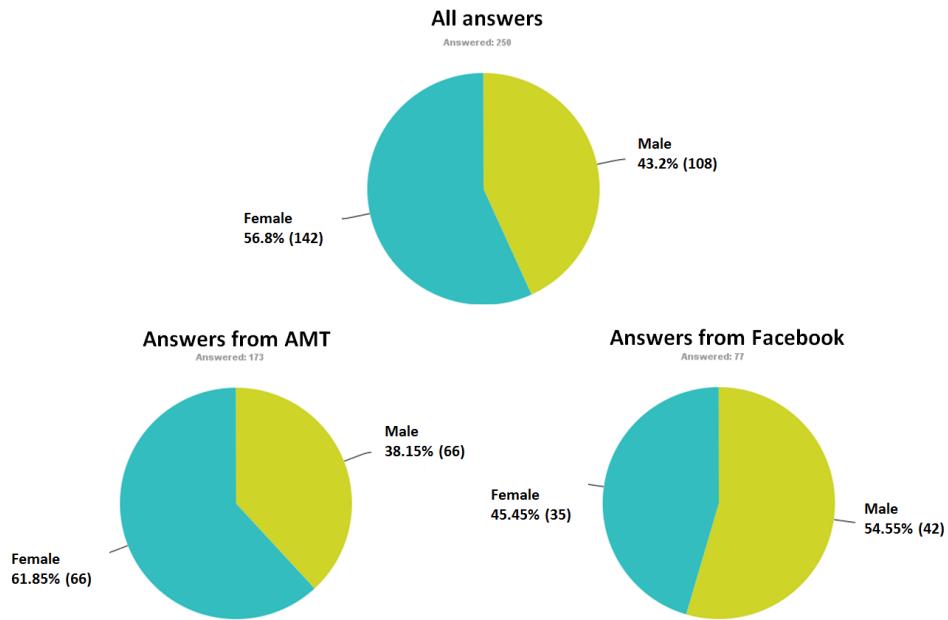


Figure 5.2: **Gender distribution.** This graph shows the overall gender distribution (on the top), gender distribution from MTurk (to the left) and the gender distribution from the Facebook link (to the right).

Among the participants, the age ranged between 19 and 76. The average age was 31. If we look at the difference in age between the respondents from MTurk and Facebook, we see that the average age of the MTurk respondents is 33 and the average age of the Facebook respondents is 27. In other words the MTurk respondents have a higher average age than the respondents from Facebook. This difference in age comes from the fact that most of the respondents from Facebook were our friends, and most of them are in their mid-twenties.

When we look at the total income of the household per year and employment status, we found a wide range of variety among the participants. We had several participants in each group of income. Although the majority of the participants were employed for wages or students, all employment statuses was represented. This was consistent with former studies of MTurk users [29].

5.2 Users' Personal Experience

Out of the 250 respondents 11 answered yes on the question "Have you ever experienced that your use of Facebook has affected your professional life?". 3 of these 11 have had their professional life affected in a negative way, and 8 were affected in a positive way.

50 of the 250 respondents stated that their use of Facebook had lead to uncomfortable situations, for example concerning unpleasant messages and/or inappropriate comments or pictures. The majority of the situations concerns unwanted pictures (where they did not look good) shared beyond their preferred audience, and inappropriate comments on pictures of them. Some also mentioned cases of stalking. Some of the comments are shown below:

- *"I had a friend I parted ways with harass me on Facebook by threatening messages, posts to photos about me, etc. I also had sexual harassment over Facebook message by an ex boyfriend, inappropriate comments and propositions I was not interested in."*
- *"Before I changed my settings, someone posted a picture of me that I did not want to share with everyone else."*
- *"An ex girlfriend was using Facebook to get information about me and my friends."*
- *"I shared (public) a photo from a friends timeline which he had posted to a limited set of friends, he got mad."*
- *"I have many younger friends on Facebook (underage), and I would like to be a good role model. So sometimes there have been pictures of me consuming alcohol, and I don't want my younger friends to see that. I now have customized my settings, so they only see my personal posts which doesn't include alcohol/smoking etc."*
- *"Someone commented something on a photo I was tagged in that I don't want everyone to know about me"*
- *"I girl posted a naked photo of me."*
- *"Just pictures of me not looking my best being posted by friends who then tag me and suddenly everyone - friends of friends, etc. can see the pics. It wasn't disasterous or inappropriate, but those weren't pictures I wanted old classmates from high school to look at (unless we are friended on FB)"*

39.6% of the total respondents have blocked one or more due to uncomfortable situations or harassment.

To see how much a person values their privacy, we asked them to state on a scale from 1 to 5 to what degree they care about what is published about themselves. 1 is "I don't care at all. Everything can be public" and 5 is "I untag and hide everything that is published of me". The majority (35.6%) answered 3 on the scale. When people were asked to elaborate on this topic, the comments ranged from "*I don't trust the Internet*" to "*I don't untag everything, because the point of the site is to be social*". Many says that they frequently untag photos they do not want others to see. One of the respondents said "*It's a tricky dilemma, because when you untag you also loose control over what happens with the picture/post*".

From our results, it seems like people care more about what they post about others, than what is posted about themselves. When we asked them to what degree they are selective about what they post about others on a scale from 1 to 5, where 1 is "I am not selective at all, I post everything" and 5 is "I never post anything about anyone", the majority answered 4. This shows that people are very selective when it comes to posting information about others. When people were asked to elaborate on this topic, the comments ranged from "*I post whatever I want without care*" to "*I think before posting how what I am posting might affect myself and the person I am tagging or may be in the picture. I understand that some content can have affects on others*".

5.3 Investigating Hypothesis 1

In this section we will investigate Hypothesis 1: "People that check their Facebook settings seldom do not have as private/secure settings as the ones who check their settings often. Also these people do not have as much knowledge about app permission requests as the ones who check their Facebook settings often".

5.3.1 Never Checked Facebook Privacy/Security Settings During the Last Year

30 of the people who answered our survey stated that they had never checked their settings during the last year. Even though they have not checked their settings during the last year, most of them had done some changes to their settings before the previous year. The reason

| Never checked Facebook settings during the last year (30 of 250 people) | | | |
|---|---------|---------------------|---------------------|
| | Default | More private/secure | Less private/secure |
| Q5. Who can see your future posts? | 36.67% | 63.33% | |
| Q6. Who can look you up using the email address or phone number provided? | 76.67% | 23.33% | |
| Q7. Do you want other search engines to link to your timeline? | 73.33% | 26.67% | |
| Q8. Who can post to your timeline? | 96.67% | 3.33% | |
| Q9. Review posts friends tag you in before they appear on your timeline. | 76.67% | 23.33% | |
| Q10. Who can see posts you've been tagged in on your timeline? | 33.33% | 60.00% | 6.67% |
| Q11. Who can see what others post on your timeline? | 40.00% | 56.66% | 3.33% |
| Q12. Review tags people add to your own posts before the tags appear on Facebook | 86.67% | 13.33% | |
| Q13. When you're tagged in a post, who do you want to add to the audience if they aren't already in it? | 96.67% | 3.33% | |
| Q33. Are you using secure browsing when using Facebook? | 86.67% | | 13.33% |
| Q34. Are you using login notification? | 63.33% | 36.67% | |

Figure 5.3: Never checked Facebook privacy/security settings during the last year.

for this assumption is that their settings differ from the default settings. The average number of friends for the people who had never checked their Facebook settings during the last year is 162, and their average age is 39.

In Figure 5.3 you can see the percentage distribution over changes of Facebook settings among the people who had never checked their Facebook settings during the last year. We divided these respondents into three categories; "Default", "More private/secure", and "Less private/secure". The respondents end up under the category "Default" if their setting is similar to the default setting as of 2013. See section 3.2.2 for more detailed description of the default settings on Facebook. The respondents end up under the "More private/secure" category if their setting has been changed from the default setting to a more secure setting. The "Less private/secure" is for those who have made changes to their setting which is less private/secure than the default setting. As shown in Figure 5.3, the majority of these respondents had not changed their settings from the default settings.

The majority of these users were active users, 67% of them checked their Facebook page at least once a day. 60% of the people who had never checked their Facebook settings during the last year, *did not* consider changing their settings after reviewing them. 40% of them wanted to make their settings more private/secure.

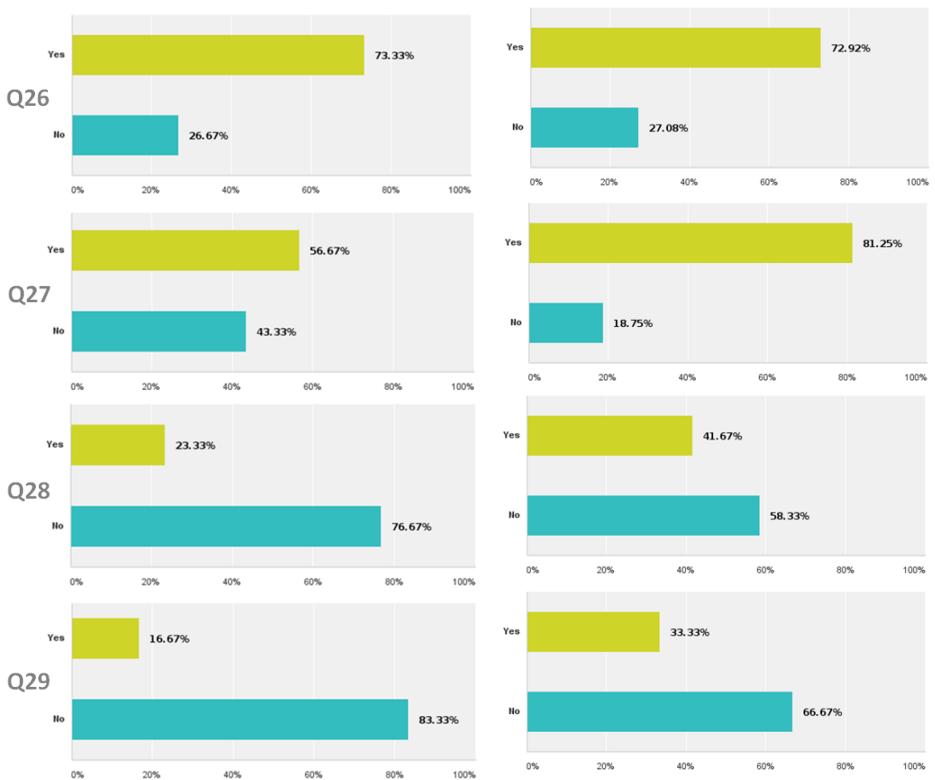
App Awareness

73.33% of these 30 respondents were aware of the fact that all apps on Facebook access their basic information. Less were aware of the fact that many apps can post on a user's behalf (56.6%). Figure 5.4a shows the percentage distribution from the questions regarding apps' permission requests. The two on top (Q26 and Q27) shows the ones just mentioned respectively. As you can see, the amount who answered "No" increased drastically on the last two questions. The third question asked for the user's awareness regarding the fact that some apps access your friends' private information, and the fourth and last regard the fact that some apps have access to relational information (such as private chat messages).

5.3.2 Checks Facebook Privacy/Security Settings "Once a month" or "Once a week or more"

48 of the people who answered our survey stated that they checked their settings "Once a month" or "Once a week or more". The average number of friends for these people is 416, and their average age is 28.5. The average age of this group is almost 10 years lower than for the group of people that had not checked their settings during the last year.

Figure 5.5 shows a percentage distribution of what kind of settings the people who checked their settings "Once a month" or "Once a week or more" have. We divided them into the same categories as above: "Default", "More private/secure", and "Less private/secure".



(a) Never checked during the last year (30 of the total respondents). (b) Checked "Once a month" or "Once a week or more" (48 of the total respondents).

Figure 5.4: The distribution of question 26-29 regarding app awareness comparing those who have never checked their settings during the last year, and those who have checked their settings "Once a month" or "Once a week or more".

85% of the people who checked their Facebook settings "Once a month" or "Once a week or more" during the last year, had checked their Facebook page at least once a day during the last month. This indicates that the majority of those who checked their settings frequently are also very active Facebook users.

70.83% of these people did not consider changing their settings after reviewing them. 27.08 % wanted to make their settings more private/secure, and 2.08% considered changing them to more public.

App Awareness

72.92% of these 48 respondents were aware of the fact that all apps on Facebook access their basic information. A larger number of these respondents were aware that many apps

| Checks Facebook settings "Once a month" or "Once a week or more" (48 of 250 people) | | | |
|---|----------------|----------------------------|----------------------------|
| | Default | More private/secure | Less private/secure |
| Q5. Who can see your future posts? | 8.33% | 91.67% | |
| Q6. Who can look you up using the email address or phone number provided? | 31.25% | 68.75% | |
| Q7. Do you want other search engines to link to your timeline? | 18.75% | 81.25% | |
| Q8. Who can post to your timeline? | 81.25% | 18.75% | |
| Q9. Review posts friends tag you in before they appear on your timeline. | 33.33% | 66.67% | |
| Q10. Who can see posts you've been tagged in on your timeline? | 12.50% | 81.25% | 6.25% |
| Q11. Who can see what others post on your timeline? | 12.50% | 81.25% | 6.25% |
| Q12. Review tags people add to your own posts before the tags appear on Facebook | 43.75% | 56.25% | |
| Q13. When you're tagged in a post, who do you want to add to the audience if they aren't already in it? | 54.17% | 45.84% | |
| Q33. Are you using secure browsing when using Facebook? | 85.42% | | 14.58% |
| Q34. Are you using login notification? | 33.33% | 66.67% | |

Figure 5.5: Checks Facebook privacy/security settings "Once a month" or "Once a week or more".

post on a user's behalf (81.25%). Figure 5.4b shows the percentage distribution of the four app awareness questions (Questions 25-29 in Figure 4.3 and Figure 4.4). The two on top (Q26 and Q27), shows the ones just mentioned respectively. As you can see, the amount who answered "No" increased on the last two questions. The third question asked for the user's awareness regarding the fact that some apps access your friends' private information. The fourth, and last, question regard the fact that some apps have access to relational information (such as private chat messages).

5.3.3 In accordance with Hypothesis 1

After looking at the results from those who checked rarely and those who checked frequently we will in this section draw some lines and comparisons between these two distinct groups. As well as look at how this is in accordance with our initial hypothesis.

Activity Level

The majority of both groups checked their Facebook page at least once a day. The percentage is higher for the people who have checked their settings "Once a month" or "Once a week or more" during the last year. 85% of them checked their Facebook page at least once a day, in contrast to the other group (who had never checked their settings during the last year) with 67% who checked their Facebook page at least once a day. This indicates that the ones who had never checked their settings during the last year, did not refrain from doing so because they were inactive users. One assumption for this may be that the users were unaware of the

settings. 40% of them stated that they wanted to make their settings more private after taking the survey. This backs up the assumption about unawareness.

More Secure Settings for Those Who Check Their Settings More Often?

If we compare Figure 5.3 and Figure 5.5, we see a clear difference between the two groups. A larger percentage of the ones who checked frequently had changed from default to a more secure option. The percentage of changes made to a more private/secure option is much higher for all settings listed for those who checked frequently. Some of the settings shows a remarkable difference between the groups. We want to accentuate the settings that concern interdependent privacy. When we look at the setting "Review posts friends tag you in before they appear on your timeline" for the ones that never checked during the last year, only 23.33% have changed to a more secure option. For those that checked frequently, 66.67% had changed to a more secure option. Another example is the setting "Review tags people add to your own posts before the tags appear on Facebook", where 13.33% of the ones who never had checked their settings during the last year, had changed to a more private/secure option. On the contrary, as many as 56.25% of the frequent settings-checkers had changed to a more private/secure option. These results back up Hypothesis 1: the ones who check their settings frequently have more secure/private settings than the ones who check their settings seldom.

Considered Changing Settings

The percentage of those wanting to make their settings more private is higher for those who had never checked settings during the last year, with 40% of the group. Only 27% of the frequent setting-checkers wanted to make their settings more private. None of the people who had never checked their settings during the last year, wanted to make their settings more public, unlike the other group (those who checked "Once a month" or "Once a week or more") where 2% actually considered changing them to more public. Overall the frequent settings-checkers were more pleased with their settings than those who had never checked them during the last year. 70% of the frequent settings-checkers did not consider changing their settings after reviewing them. Although the ones who had never checked their settings during the last year have far less private/secure settings than the other group, 60% of them did not consider changing their settings either.

App Awareness

When comparing Figure 5.4a and Figure 5.4b there is no big difference between the two groups on the first question regarding that all apps access basic information. On the second question (Q27), regarding apps posting on your behalf, we see a remarkable difference between the two groups. The ones that frequently checked their settings were, to a much higher extent, aware (81.25%) of this fact. In comparison 66.67% of the ones who had not checked their settings during the last year were aware of this fact. On the last two questions

(Q28 and Q29), almost twice as many of those that checked their settings frequently, were aware of the permission requests. These results backs up Hypothesis 1: the ones that check their settings frequently are in general more aware of the permissions apps request.

Comparisons with Previous Work

In [12] they found that modified privacy settings match the users' expectations only 39% of the time (this is elaborated in section 2.3). In our analysis this number is much higher, 70.83% of the frequent setting-checkers stated what they did not consider changing their privacy settings after reviewing them. This is an interesting observation. The previous research was done in 2011, and a lot has changed since then with regard to privacy settings. One assumption might be the ongoing attention towards online security. The media are trying to make people aware of how easy it is to access information about others on the web.

In [22], mentioned in section 2.3, they found that among the majority of respondents, both genders were equally confident in changing their Facebook privacy settings. Our survey backs up this finding to some extent. The majority of both females and males had changed their settings to a more private/secure option. Our research shows that females have more focus on who can see their posts and posts they have been tagged in, and who can look them up. 83.1% of the females had changed the settings "Who can see posts you've been tagged in on your timeline?" to a more private option, and 80.25% of the females had changed the setting "Who can see what others post on your timeline?" to a more private option. For both of these settings, the percentage were almost 10% higher for females, than for males. On the contrary, males have a larger focus on security, with more secure options on settings like "Login notification" and "Secure browsing".

5.4 Interdependent Privacy

A big part of our survey focused on apps and the issues related to apps which concerns interdependent privacy. When installing an app on Facebook, most apps ask for permission to access information in addition to your basic information (name, profile picture, cover photo, gender, networks, username, user ID, your list of friends, and any information you choose to make public). We wanted to map the awareness of the respondents when it came to apps, and to what degree they knew about the information apps access.

User Knowledge About the Term "Interdependent Privacy"

We also wanted to find out whether or not the respondents had knowledge about the term interdependent privacy. We asked the question "Do you have any idea about what interdependent privacy can mean in regard to Facebook?" both before and after the app-related questions. We specified in the question that they were not allowed to use Google, or any other search engine, to find the answer. If they did not know the answer it would be preferable for us if they skipped the question. We wanted to see if people could come up with their own

idea of the term. 136 of the 250 respondents answered that they did not know the meaning of the term, or skipped the question, both before and after the app-related questions. 69 of the respondents skipped the first time they were asked about the term, but answered the second time. Even though everything was not entirely correct, a lot of people seemed to have gotten some idea about what the term evolves around after answering the question about apps. Table 5.1 shows some of the answers, both before and after the app-related questions. See Appendix B for all responses.

Table 5.1: People's thoughts of what is meant by interdependent privacy before and after answering questions about app permission requests on Facebook.

| Q24. Do you have any idea about what interdependent privacy means? | Q31. Do you have any idea about what interdependent privacy means after answering questions regarding privacy issues using Facebook apps? |
|---|--|
| <i>"I have no idea what interdependent privacy means. It almost does not make sense to put those two words together. If you have privacy, it should not depend on another party to make it private. That defetes the whole purpose of "private"."</i> | <i>"Hmn. I guess it makes sense now, seeing that apps can do that to people who are friends."</i> |
| <i>"I would image it relates to one person's privacy being compromised or supported by another user's privacy settings."</i> | <i>"Yes, I understand what it means now. If a friend of mine permits an app to access their info then they have a certain amount of access to my info."</i> |
| <i>"I think it's when my picture is visible to only friends but then a friend of mine re-shares it, so I have to rely on that friend to keep my stuff private too."</i> | <i>"I think I was close to right. Relying on others' settings to keep my privacy."</i> |
| <i>"I think it means that people you allow to see things can also allow others to see it if they chose to, with or without your permission but I am not sure about this."</i> | <i>"I think that it means if you give an app permission to use your information, the app can then use the information in any way it wants to. This is why I do not use any apps because I do not trust them period."</i> |
| <i>"I think it has to do with other sites and apps allowing you to sign into or register for accounts using your facebook account. You would now have another set of privacy policies to review and how the two sites work together"</i> | <i>"Apps you use can disregard your privacy settings with facebook and play by their own rules - so I have to be much more diligent."</i> |

| | |
|---|--|
| <p><i>"I think it means that people you allow to see things can also allow others to see it if they chose to, with or without your permission but I am not sure about this."</i></p> | <p><i>"I think that it means if you give an app permission to use your information, the app can then use the information in any way it wants to. This is why I do not use any apps because I do not trust them period."</i></p> |
| <p><i>"It's something about where someone else saying something (like Bob saying "Bob is at the restaurant with Mike") can reveal information about another person (in this case, that Mike is at the restaurant)."</i></p> | <p><i>"Maybe it's: Facebook taking other people's info based on something I do."</i></p> |
| <p><i>"My privacy can be affected by those I share with. Just because I make something private does not mean that my friends won't pass it along, making it no longer private."</i></p> | <p><i>"You are not the only person in control of your privacy. If you don't use the right settings, other people can share information you think is private."</i></p> |
| <p><i>"I have no control over what info my friends share about me"</i></p> | <p>(Skipped)</p> |
| <p><i>"Nope. I will for sure google it now."</i></p> | <p><i>"That it's obv. not only facebook who can access my privacy settings, that this so called privacy is interdependent and I am in charge of setting those settings myself if I don't want it to be that interdependent."</i></p> |
| <p><i>"What others can do to your privacy if you let them"?"</i></p> | <p><i>"Yes. what concerns your privacy that you dont know of, that your friends do to your privacy ish."</i></p> |
| <p><i>"My privacy depends on others"</i></p> | <p><i>"The apps are allowing people to see things that are private. It's interdependent on FB."</i></p> |
| <p><i>"I would say it means it depends on what others would post or say about you, or give out your private things."</i></p> | <p><i>"You can control what you share, but not what others do or say that may infringe on your privacy."</i></p> |
| <p><i>"No"</i></p> | <p><i>"Getting access through games and friends."</i></p> |
| <p>(Skipped)</p> | <p><i>"My privacy setting depends also on other users, with the help of apps. I think this is what interdependent privacy means."</i></p> |
| <p>(Skipped)</p> | <p><i>"Maybe other apps can take information from your friends without their knowing."</i></p> |

| | |
|-----------|---|
| (Skipped) | <i>"It seems to be privacy independent from privacy settings. It appears apps can override general privacy settings."</i> |
| (Skipped) | <i>"That apps I put on my FB page can access my friend's accounts, information and activities. I am always very careful to select "ONLY ME" when they ask whose wall they can post to - but I wasn't aware that apps were independently able to access the information of my friends without my consent."</i> |
| (Skipped) | <i>"I think that it means that the apps that I use can have an effect on my friends privacy."</i> |

5.5 Investigating Hypothesis 2

In this section we will investigate Hypothesis 2: "The ones with many apps have less knowledge about the app permission requests, and less knowledge about the existence of the setting "Apps others use"".

5.5.1 Number of Apps Connected to Facebook

In the app settings, there is a list of all apps the user have connected to their Facebook account, see Figure 5.6. The distribution is close to even for all the alternatives. 86.8% of the total respondents had at least one app connected to their Facebook account. 20% of the respondents had more than 30 apps connected to their Facebook account, and 13,20% had zero apps connected to their Facebook account. In other words, a higher percentage of the respondents had more than 30 apps connected to their Facebook account in comparison to zero apps.

5.5.2 User Awareness Regarding App Permission Requests

Figure 5.7, Figure 5.8, Figure 5.9 and Figure 5.10 show the results from question 26, 27, 28 and 29, where we asked the respondents about their awareness regarding the information apps request. The two first figures (concerning basic information and apps posting on your behalf) show that the majority of the respondents were aware of the facts presented. The two last figures, on the other hand, show that the majority were unaware of the permission requests. The two first questions are more visible for the users. It is stated many times that all apps access your basic and public information. In addition the users experience apps

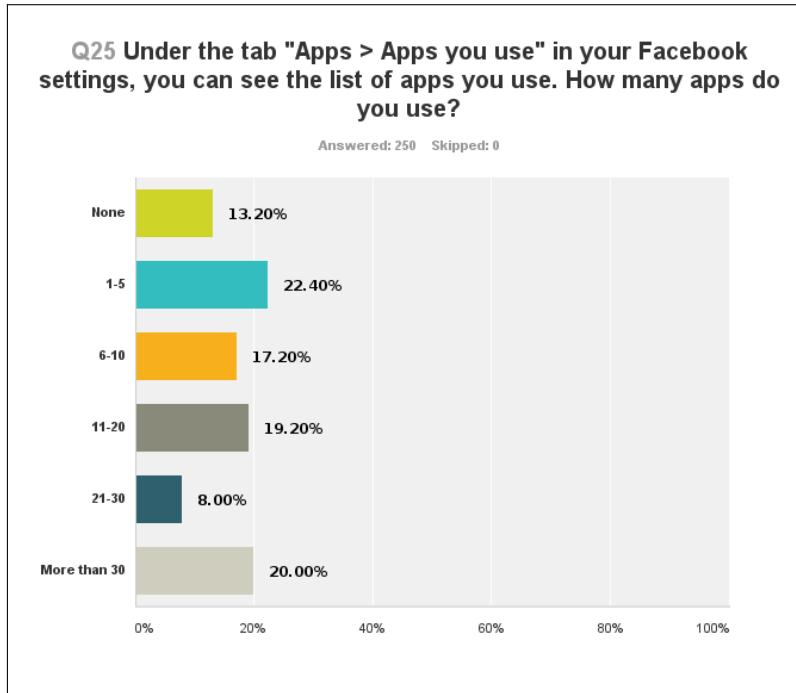


Figure 5.6: Question 25 - Displaying the distribution of number of apps among the 250 respondents.

posting both on their behalf, and on friends' behalf (for example Spotify posting play lists or songs you have listened to). The last two questions (concerning friends private information and access to relational information), Q28 and Q29, are more hidden from the users, because nothing is posted or viewable etc. The users are not notified when the apps access this information, and therefore have no idea of what is specifically retrieved, when it is used, and for what purpose. We therefore think there is less knowledge about these permission requests.

5.5.3 Awareness of the Setting "Apps others use"

Question 30 (Figure 5.11) did not only ask for a simple "Yes" or "No" answer to whether or not they were aware of the setting "Apps others use". The possible answers to the question was "Yes, I am aware of them, but I haven't changed the default settings", "Yes, I am aware of them, and have changed the settings", "No, I was not aware of them, and will not change the default settings" and "No, I was not aware of them, but will look into if I want to change my settings now". The majority (70%) of the respondents were not aware of the existence of this setting.

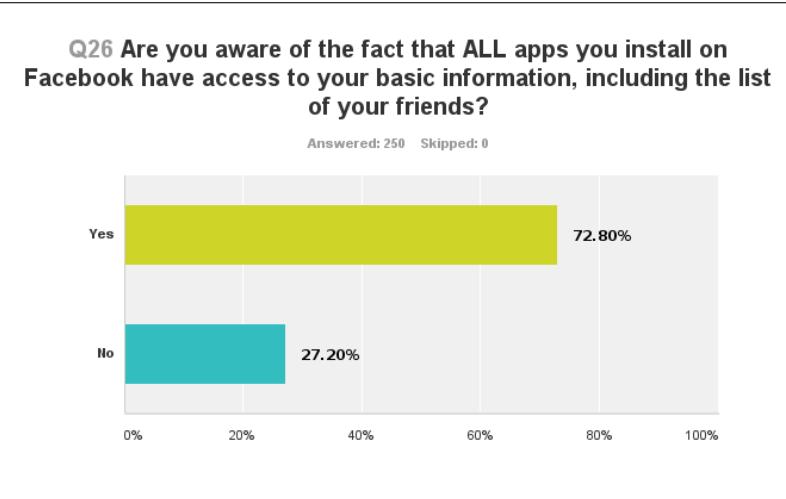


Figure 5.7: **Question 26 - Displaying the awareness of the fact that all apps access your basic information.**

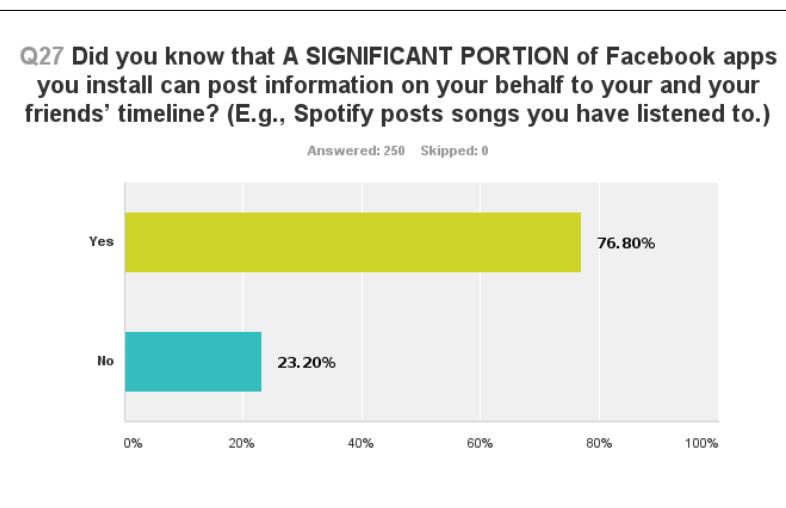


Figure 5.8: **Question 27 - Displaying the awareness of the fact that a significant portion of apps post on your behalf.**

5.5.4 Many vs. Few Apps

Figure 5.12 shows the results of the comparison of app awareness between those with many apps (21 apps or more) and those with few apps (5 apps or less). On question 26 the distribution is close to equal for those with many apps and those with few apps. This is a relatively common known fact, because information about apps always requesting basic

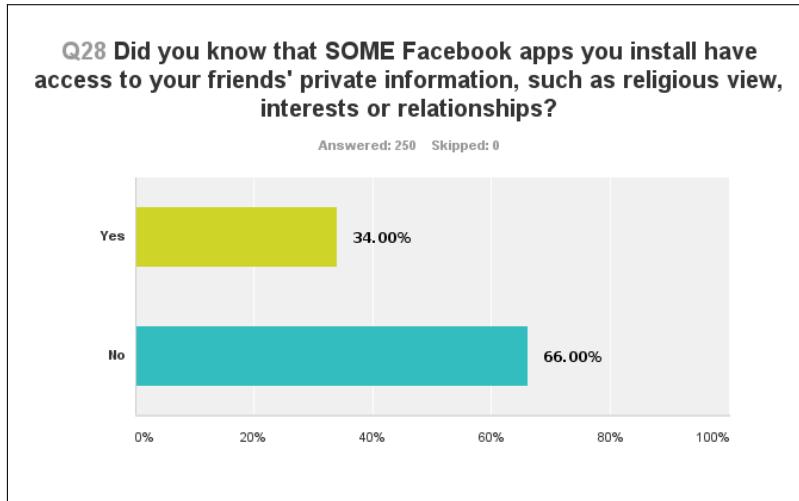


Figure 5.9: Question 28 - Displaying the awareness of the fact that some apps access your friends' private information.

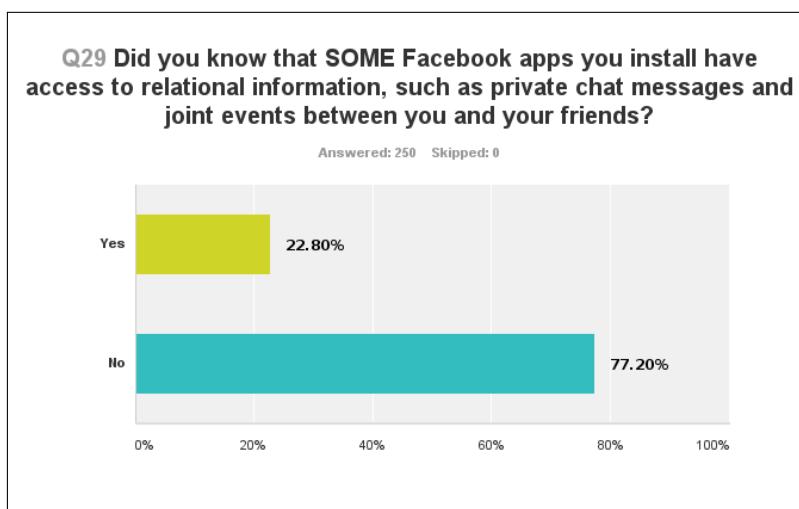


Figure 5.10: Question 29 - Displaying the awareness of the fact that some apps access relational information.

information is stated on the top of the app settings, as well as always on top of the list when installing an app. Question 27 shows that the people with many apps were more aware of the fact that a significant portion of apps post on your behalf. We think the reason for this is that the people who frequently use apps have more experience when it comes to apps posting on their behalf. When apps post on behalf of a user, it is shown as a post on their timeline.

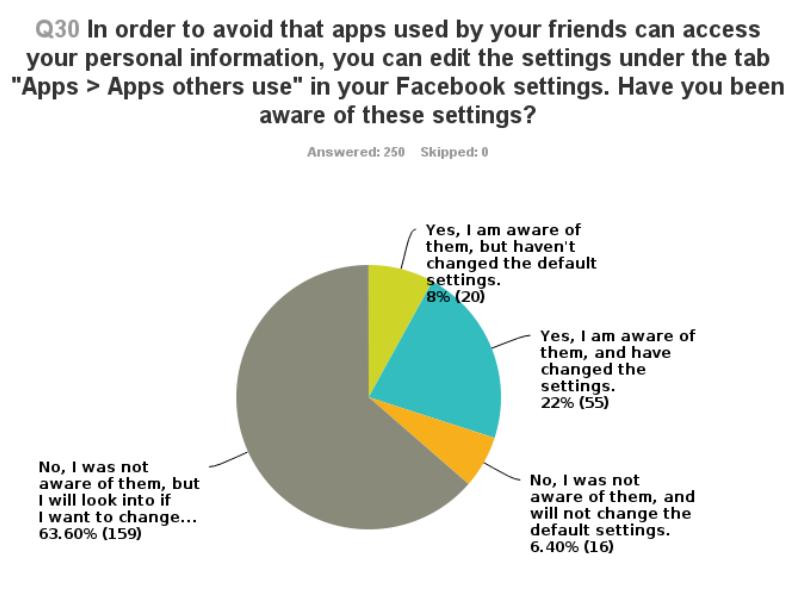


Figure 5.11: Question 30 - Displaying the awareness of the setting "Apps others use" among all of the 250 respondents.

This is something the user experiences hands on. In addition to this, people who use many apps are more accustomed to the permission requests from Facebook, because they see them more frequently. Question 28 and question 29, on the other hand, are not visible to the naked eye. Although, this is stated in the permission request, it is never visible for the user what information is accessed and retrieved by the apps. The last question (30) concerned the setting "Apps others use", found under the App-tab in your Facebook settings. Here the user can choose which information the apps your friends install can access. Our results show that 37.08% of those with few apps were aware of the existence of this setting. On the contrary, 28.57% of the ones with many apps were aware of its existence.

5.5.5 In accordance with with Hypothesis 2

In this section we will compare those with many and few apps connected to their Facebook in regard to their awareness when it comes to permission requests from apps and the setting "Apps other use". As well as look at how this is in accordance with our initial hypothesis.

Does the Ones With Many Apps Have Less Knowledge About the App Permission Requests?

We wanted to find out whether or not people with many apps connected to their Facebook account had more or less knowledge when it came to the app-related questions, than people

| | Many apps | | Few apps | |
|--|-----------|--------|----------|--------|
| | Yes | No | Yes | No |
| Q26. Are you aware that ALL apps access basic information? | 75.71% | 24.29% | 74.16% | 25.84% |
| Q27. Do you know that a significant portion of apps post on your behalf? | 81.43% | 18.57% | 74.16% | 25.84% |
| Q28. Do you know that some apps access friends' private information? | 27.14% | 72.86% | 35.96% | 64.04% |
| Q29. Do you know that some apps access relational information? | 17.14% | 82.86% | 29.21% | 70.79% |
| Q30. Are you aware of the setting "Apps others use"? | 28.57% | 71.43% | 37.08% | 62.92% |

Figure 5.12: **App awareness - Comparing those with many apps and those with few apps.** Percentage distribution of the answers to all of the app questions differentiating the 70 people with many apps (21 apps or more) and the 89 people with few apps (5 or less).

with few apps connected to their Facebook account. Our hypothesis were that the ones with many apps would have less knowledge about the privacy issues related to apps. The reason for this assumption is that we thought if people were aware of all the permissions they agree on, they would not have had that many apps to begin with, because of the privacy breach apps might cause. In other words, we thought that those with few apps had more knowledge about the privacy issues related to apps, and therefore chose to refrain from installing apps and/or are frequently deleting the apps not in use. The percentage of people aware of the facts presented in question 28 and question 29, is higher for those with few apps, than for those with many apps (see Figure 5.13). About 10% less of the ones with many apps were aware of the facts presented in both questions. This backs up our hypothesis, that the ones with many apps have less knowledge about the app permission requests.

Awareness of the Setting "Apps others use"

When it comes to the awareness of the setting "Apps other use", the option "No, I was not aware of them, but I will look into if I want to change my settings now" was significantly higher for those with many apps (see Figure 5.13). This means that a higher portion of those with many apps were both unaware of this setting, and were also dissatisfied with their current configuration of this setting. Another observation is that the alternative "Yes, I was aware of them, and have changed the settings" was higher for those with few apps. These results back up our hypothesis that the ones with many apps have less knowledge about the existence of the setting "Apps others use".

Comparison to Previous Work

An issue discussed in [6] was the importance of user control of the data apps access, and that it should be made clear to the user what information they give the apps permission to

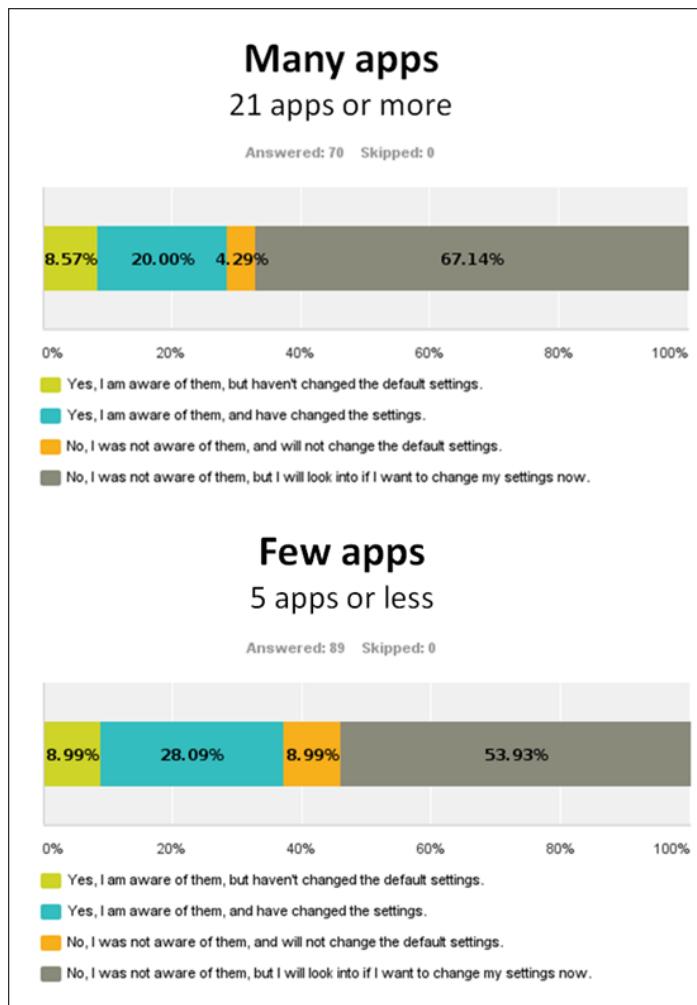


Figure 5.13: Awareness of the setting "Apps others use" - Comparing those with many apps and those with few apps.

access. In this paper, they conclude that it is often unclear to the users what information they agree to share, and that apps often ask for permissions that are in conflict with their privacy settings. These results are in accordance with the results from our survey, since we found that the users are often unaware of the permissions apps request.

Chapter 6

Conclusion

Facebook offers a high variety of settings for the users. The users are given full control over their settings, and can themselves choose whom they want to share information with. As default, most of the settings are set to the most public option available. Facebook states that the users have full control, and that it is the users' responsibility to control the audience for the information they share. They also state that the users should not share information they do not want anyone to see, like posting a picture of someone taking drugs. The most important aspect regarding the Facebook settings is user awareness. If a user is unaware of the existing settings, the settings are of no value to the user. Many of the respondents pointed out that through taking our survey they became aware of settings they did not know existed. In other words, the survey did not only provide us with valuable research data, but was also informative and educational for those who participated.

When Facebook started as an online environment, available only for Harvard students, privacy was the most important factor. A valid Harvard email-address was required in order to sign up. This provided an assurance that all users of "Thefacebook" were actual people, and this made the threshold of sharing information much lower. In 2005, nothing was publicly available to all Internet users. Most of the information a user shared was visible to a user's network or friends, except name, profile picture, gender and network that was available to all Facebook users. Default settings have become increasingly public with every passing year. In November 2009, significant changes were made to the default settings. Name, profile picture, gender and networks gradually became available to all Internet users. Most of the remaining information (wall posts, photos, likes, birthday) was restricted to friends of friends. There is a theory called "Six degrees of separation" [62], which states that two people are connected via maximum six steps. This means that when information is shared with friends of friends, the audience is *extremely* large. Major changes to the default settings also took place in April 2010, when everything, except contact information and birthday, was made publicly available to all Internet users. With information becoming increasingly accessible on the Internet, Facebook also announced more settings possible for the users to edit. Today all Internet users can see everything by default, except posts you have been tagged in on your timeline, and posts by others on your timeline, which are limited to friends of friends.

There is no doubt that Facebook's default settings have become increasingly public. With this development, the importance of user awareness of existing settings is also becoming more and more crucial. It is essential that the users follow the development, and change the settings according to their personal preferences.

Along with the development of Facebook, the site has also introduced numerous new features. Some of them have affected the users' privacy more than others, and have received a lot of attention in the media. The single feature that had the most impact on users' privacy was Facebook's introduction of applications. The main reason that apps affect a user's privacy is because of the information apps retrieve. What kind of information apps requests to access is very often unclear to the user. When a user installs an app on Facebook, the app shows the user a list of permissions they request to access. These permissions often expand beyond the basic information, such as asking to post on a user's behalf, and sometimes asks access to relational information (this may include private chat messages). These requests often ask for permissions that go against the user's privacy settings, and this leads to a user sharing information that was intended to be private. Our research shows that there has been a change in how the permission requests are shown to the user. In 2011 there was a separate page displaying the permission requests. Today Facebook has introduced the App Center, where the permission requests are shown in small letters on the side of the page, not very visible to the user. Research done on the permissions page in 2011 showed that it should be more clear to the user when they approved permission request that stride against their initial privacy settings. When we look at the permission page today, Facebook have done the opposite. There is less focus on the permissions, and more on the app in general. There is no doubt that Facebook has become a far more public and open platform, and promotes the idea of sharing. Facebook always wants to customize all information, adds, apps and news feed-posts, for the users in accordance with their preferences.

User awareness of settings available on Facebook is extremely important. The majority of all the respondents that took our survey stated that they check their Facebook settings to some degree. Most of them, almost half of the respondents, stated that they check their settings 3-6 times a year. On the other hand, only 12% stated that they had not checked their settings during the past year, but they must have done so at some point, since their settings differed from the default settings. We found a contrast between the ones that seldom check their settings, and the ones that frequently check their settings. Initially, we thought that the ones that frequently check their Facebook settings, have more knowledge of the settings that exist, both the privacy/security settings and the settings regarding apps, as well as being more active users. This assumption turned out to be correct. The difference between the ones that check only rarely and those that check frequently was not immense, but large enough to divide these groups. The ones that frequently checked had more private/secure settings in all areas. These users were on average almost 10 years younger than the ones who only checked rarely. This might be because of the hi-tech world that today's young generation have grown up in. The elderly generation does not have the same technological knowledge or insight.

One reason why they are on Facebook is that Facebook provides them with the opportunity to stay in touch with old friends and relatives. Several of our respondents stated that they have created a Facebook profile for one single reason: stay in touch with their younger family members.

Those who checked their settings frequently were also more aware of the permissions apps request, than those who seldom check. There was also a difference when we looked at those who had many apps and those with few apps connected to their Facebook account. We assumed that those with few apps connected had more knowledge of the permission requests. When knowing how much information an app can access, one would think a user would be careful connecting apps to their Facebook account. The number of respondents who were aware of the permissions apps request was higher for the ones having few apps connected to their Facebook account. Even though there was a higher level of knowledge for those with few apps than for those with many apps, the overall level of knowledge of these permissions were low. We think that many users know that the applications may access information, and therefore refrain from installing any apps, in other words just ignore everything regarding apps. But what one might forget is that even though some individuals refrain from installing apps, their friends might not share the same view. For example, although Alice chooses to refrain from everything regarding apps, Alice's Facebook friend, Bob, might love apps. Bob may not be aware of the fact that he allows his apps to access information about Alice. This is where the term interdependent privacy becomes an interesting subject of study. Alice's privacy depends on the actions of Bob, and are to some extent out of her control. The individual users can choose what information they want to share with the apps their friends use. This is done in the setting "Apps others use". When it came to the awareness of this setting, as many as 70% of the total respondents were unaware of its existence. In other words, 70% of our respondents have shared all types of information with apps their friends install, without being aware of it.

An interesting observation was that people in general care more about what they post about others, in comparison with what is posted about themselves. Comments from the respondents show that they are restrictive when it comes to what they choose to share about others. It seems that most of the respondents do not share information about others that they would not like to be shared about themselves. It was also possible to see a difference between men and women. Women seem to care more about the settings regarding what is posted about them (photos, tags in comments, etc.), while on the other hand, men care more about the security settings. The big question then arises: how can the respondents care so much about what they post, and what others post of them, while not having a clue as to how much information is shared without their knowledge through apps?

The term interdependent privacy is relatively new, and a term that is becoming more and more important. When we asked whether or not the respondents were familiar with the meaning of the term with regard to Facebook, many of them tried to formulate a definition. It

was clear that most of them did not know the meaning, and together with the low knowledge of the permissions apps ask for, there is no doubt that this is an area that requires more attention, and also education for the users.

Future Work

The research presented in this paper has just touched the surface of the privacy-related issues on Facebook and interdependent privacy issues related to the App Center Facebook offers. There are a great many aspects that need to be taken into consideration for future work in this area. The survey and the results we have presented can lay the basis for improvements of Facebook. One possibility is to conduct a more detailed and extensive survey. Another approach would be to direct the focus more towards apps and, for example, create a new app. This app could, for example, alert the user when installing an app that acts against initial privacy settings. By doing so, one can look at the privacy related issues from the inside and out. The possibilities are infinite since this is a complex and a very hot topic.

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Appendix A

The survey

This appendix contains the survey as it was shown to the respondents.



Interdependent Privacy on Facebook

Survey on Facebook privacy (research for the Norwegian University of Science and Technology)

We are two master students conducting a survey to gauge user knowledge on certain aspects of Facebook privacy. The survey will be the foundation of a research project, which we are carrying out for Norwegian University of Science and Technology.

In order to answer some of the questions in this survey, you are required to be logged in to your main account on Facebook, and go to your "Settings" page (accessible as a drop-down menu marked by either a "wheel" or an "arrow" in the top bar of your Facebook starting page). Before such questions you will be directed under which tab you find the requested information.

[Progress bar] 5%
[Next](#)

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Interdependent Privacy on Facebook

Facebook usage

*1. Which year did you sign up for Facebook?

[Dropdown menu]

*2. During the last month, how often did you check your Facebook page?

[Dropdown menu]

*3. How many friends do you have on Facebook?

[Text input field]

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Interdependent Privacy on Facebook

Facebook privacy: settings

*4. During the past year, how often did you check your Facebook privacy settings?



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Interdependent Privacy on Facebook

Facebook privacy: settings

For Q5-Q7: check under the tab "Privacy". (Settings > Privacy)

*5. What kind of restrictions do you have under "Who can see my stuff"?

Who can see your future posts?

Public

Friends

Only me

Custom

*6. What kind of restrictions do you have under "Who can look me up"?

Who can look you up using the email address or phone number you provided?

Everyone

Friends of friends

Friends

*7. What kind of restrictions do you have under "Who can look me up"?

Do you want other search engines to link to your timeline?

On

Off



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Interdependent Privacy on Facebook

Facebook privacy: settings

For Q8-Q13: check under the tab "Timeline and tagging". (Settings > Timeline and tagging)

***8. What kind of restrictions do you have under "Who can add things to my timeline"?**

Who can post on your timeline?

- Friends Only me

***9. What kind of restrictions do you have under "Who can add things to my timeline"?**

Review posts friends tag you in before they appear on your timeline.

- Enabled (On) Disabled (Off)

***10. What kind of restrictions do you have under "Who can see things on my timeline"?**

Who can see posts you've been tagged in on your timeline?

- Everyone Friends of friends Friends Friends except acquaintances Only me Custom

***11. What kind of restrictions do you have under "Who can see things on my timeline"?**

Who can see what others post on your timeline?

- Everyone Friends of friends Friends Friends except acquaintances Only me Custom

***12. What kind of restrictions do you have under "How can I manage tags people add and tagging suggestions"?**

Review tags people add to your own posts before the tags appear on Facebook.

- Enabled (On) Disabled (Off)

***13. What kind of restrictions do you have under "How can I manage tags people add and tagging suggestions"?**

When you're tagged in a post, who do you want to add to the audience if they aren't already in it?

- Friends Only me Custom



Interdependent Privacy on Facebook

Facebook privacy: settings

*14. Now, that you have gone through your privacy-related settings, are you considered changing them?

Yes, to more private

Yes, to more public

No, they are fine



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Interdependent Privacy on Facebook

Facebook privacy: personal experience

*15. Have you ever experienced that your use of Facebook has affected your professional life (future job prospects etc.)?

Yes, positively

Yes, negatively

No



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Interdependent Privacy on Facebook

Facebook privacy: personal experience

16. If you answered Yes on the previous question, please describe the situation that occurred.



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Interdependent Privacy on Facebook

Facebook privacy: personal experience

*17. Have your use of Facebook lead to any uncomfortable situations (unpleasant messages, inappropriate pictures or comments etc.)?

Yes

No



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Interdependent Privacy on Facebook

Facebook privacy: personal experience

18. If you answered Yes on the previous question, please describe the situation that occurred.



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Interdependent Privacy on Facebook

Facebook privacy: personal experience

*19. Do you use “timeline review”? (Review posts that others tagged you before they appear on your timeline.)

Yes

No

*20. Have you blocked any persons because you felt uncomfortable/harassed?



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Interdependent Privacy on Facebook

Facebook privacy: personal experience

*21. To what degree do you care about what is published about yourself on a scale from 1 - 5, where 1 is "Don't care at all, everything can be public" and 5 is "I untag and hide everything that is published of me" (pictures, comments etc.)? Please elaborate in the text box below.

1

2

3

4

5

Please elaborate:

*22. To what degree are you selective about what you post about others on a scale from 1 - 5, where 1 is "I am not selective at all, I post everything" and 5 is "I never post anything about anyone" (pictures, comments etc.)? Please elaborate in the text box below

1

2

3

4

5

Please elaborate:

*23. Is it important to you that the content of your profile is only visible to your facebook friends? Please explain.



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Interdependent Privacy on Facebook

Facebook privacy: apps

24. Do you have an idea about what interdependent privacy can mean with regard to Facebook? If so, please try to describe it below. Please do NOT use Google or any other search engine to find the answer. If you don't know the answer, just leave the field blank.



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Interdependent Privacy on Facebook

Facebook privacy: apps

For Q25: check under the tab "Apps > Apps you use".

*25. Under the tab "Apps > Apps you use" in your Facebook settings, you can see the list of apps you use. How many apps do you use?

- None 1-5 6-10 11-20 21-30 More than 30

*26. Are you aware of the fact that ALL apps you install on Facebook have access to your basic information, including the list of your friends?

- Yes No

*27. Did you know that A SIGNIFICANT PORTION of Facebook apps you install can post information on your behalf to your and your friends' timeline? (E.g., Spotify posts songs you have listened to.)

- Yes No



Prev

Next

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Interdependent Privacy on Facebook

Facebook security: settings

For Q33-Q34: check under the tab "Security". (Settings > Security)

***33. Are you using secure browsing (<https://>) when using Facebook?**

Yes

No

***34. Are you using login notification (receiving an email or text message when you log on with a new browser or device)?**

Yes

No

 89%
[Prev](#) [Next](#)

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Interdependent Privacy on Facebook

Demographics

***35. What is your gender?**

Male

Female

***36. What is your age?**

***37. Which country are you from?**

***38. What is your current family situation?**

***39. What is your highest qualification/degree?**

 95%
[Prev](#) [Next](#)

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Interdependent Privacy on Facebook

Demographics

*40. What is your employment status?

*41. What is the total income of your household per year?

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Prev

Done

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Appendix B

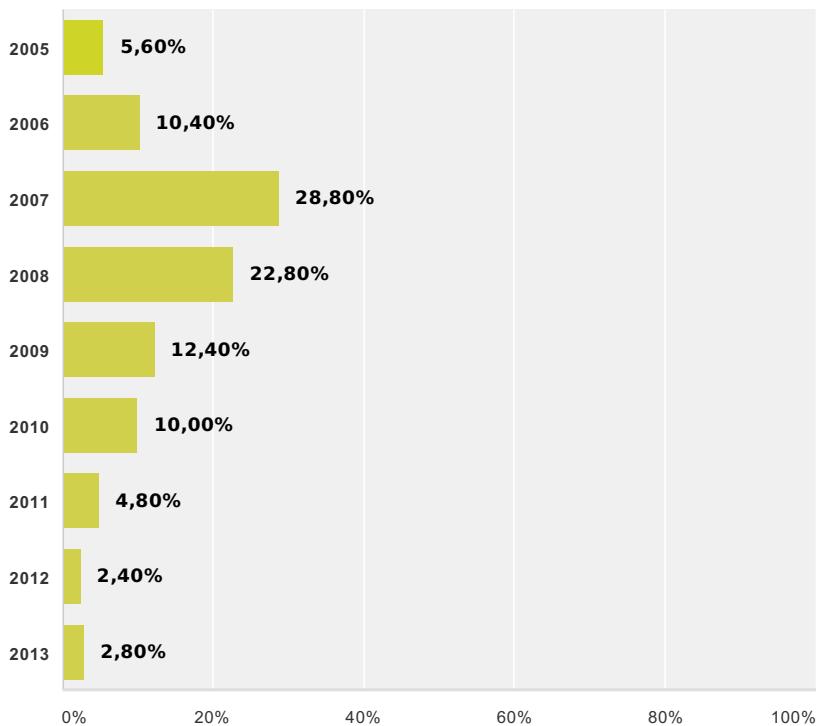
Survey results

This appendix contains the question summaries of all the responses on the survey.

Interdependent Privacy on Facebook

Q1 Which year did you sign up for Facebook?

Besvart: 250 Hoppet över: 0

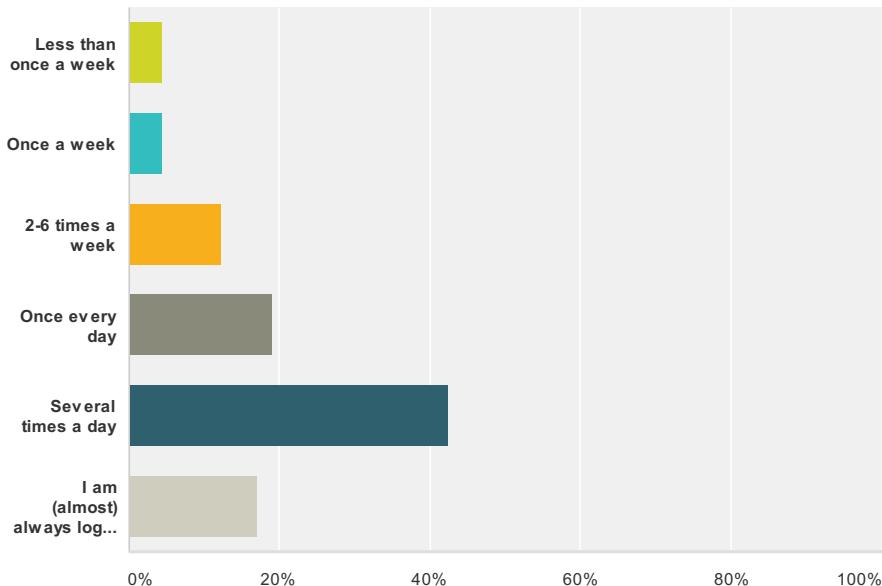


| Svarvalg | Svar | |
|---------------|--------|------------|
| 2005 | 5,60% | 14 |
| 2006 | 10,40% | 26 |
| 2007 | 28,80% | 72 |
| 2008 | 22,80% | 57 |
| 2009 | 12,40% | 31 |
| 2010 | 10% | 25 |
| 2011 | 4,80% | 12 |
| 2012 | 2,40% | 6 |
| 2013 | 2,80% | 7 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q2 During the last month, how often did you check your Facebook page?

Besvart: 250 Hoppet över: 0



| Svarvalg | Svar | |
|--------------------------------|--------|------------|
| Less than once a week | 4,40% | 11 |
| Once a week | 4,40% | 11 |
| 2-6 times a week | 12,40% | 31 |
| Once every day | 19,20% | 48 |
| Several times a day | 42,40% | 106 |
| I am (almost) always logged on | 17,20% | 43 |
| Totalt | | 250 |

Q3 How many friends do you have on Facebook?

Answered: 250 Skipped: 0

| | | |
|----------------------------|-----------------------------|----------------------------|
| 431 11/7/2013 6:21 PM | 531 11/2/2013 4:12 PM | 132 10/29/2013 5:10 PM |
| 300 11/7/2013 3:50 PM | 856 11/1/2013 1:12 PM | 60 10/29/2013 3:46 PM |
| 1200 11/7/2013 3:46 PM | 42 11/1/2013 8:37 AM | 50 10/29/2013 3:10 PM |
| 204 11/7/2013 3:38 PM | 73 10/31/2013 11:59 PM | 307 10/29/2013 3:02 PM |
| 650 11/7/2013 3:30 PM | 110 10/31/2013 10:51 PM | 216 10/29/2013 2:50 PM |
| 500 11/6/2013 12:25 PM | 112 10/31/2013 2:37 PM | 1120 10/29/2013 2:38 PM |
| 2755 11/6/2013 11:15 AM | 67 10/31/2013 8:59 AM | 50 10/29/2013 2:37 PM |
| 787 11/6/2013 3:27 AM | 167 10/31/2013 4:43 AM | 550 10/29/2013 2:34 PM |
| 259 11/5/2013 9:00 PM | 270 10/30/2013 10:26 PM | 112 10/29/2013 2:26 PM |
| 238 11/5/2013 12:28 PM | 1640 10/30/2013 10:04 PM | 144 10/29/2013 2:15 PM |
| 300 11/5/2013 5:30 AM | 294 10/30/2013 6:21 PM | 0 10/29/2013 1:58 PM |
| 1200 11/4/2013 10:49 PM | 12 10/30/2013 5:32 PM | 42 10/29/2013 1:32 PM |
| 612 11/4/2013 9:57 PM | 555 10/30/2013 4:58 PM | 168 10/29/2013 1:01 PM |
| 88 11/4/2013 8:49 PM | 186 10/30/2013 8:52 AM | 80 10/29/2013 6:11 AM |
| 532 11/3/2013 9:20 PM | 600 10/30/2013 7:35 AM | 246 10/29/2013 1:07 AM |
| 88 11/3/2013 9:07 PM | 120 10/30/2013 3:53 AM | 145 10/29/2013 12:30 AM |
| 180 11/3/2013 6:54 PM | 180 10/30/2013 2:59 AM | 579 10/28/2013 8:52 PM |
| 238 11/3/2013 6:23 PM | 304 10/30/2013 2:42 AM | 40 10/28/2013 6:58 PM |
| 80 11/2/2013 8:34 PM | 1100 10/29/2013 6:19 PM | 95 10/28/2013 4:27 PM |
| 23 11/2/2013 7:55 PM | 45 10/29/2013 5:10 PM | 30 10/28/2013 4:14 PM |

| | | |
|---------------------|---------------------|---------------------|
| 177 | 402 | 270 |
| 10/28/2013 2:05 PM | 10/25/2013 1:57 PM | 10/24/2013 4:29 PM |
| 836 | 300 | 503 |
| 10/27/2013 10:43 PM | 10/25/2013 1:57 PM | 10/24/2013 4:23 PM |
| 1000 | 400 | 267 |
| 10/27/2013 12:02 PM | 10/25/2013 1:47 PM | 10/24/2013 4:03 PM |
| 250 | 250 | 400 |
| 10/27/2013 7:47 AM | 10/25/2013 1:45 PM | 10/24/2013 4:00 PM |
| 218 | 831 | 435 |
| 10/27/2013 6:12 AM | 10/25/2013 1:40 PM | 10/24/2013 3:12 PM |
| 251 | 414 | 655 |
| 10/27/2013 2:29 AM | 10/25/2013 1:16 PM | 10/24/2013 3:02 PM |
| 335 | 1300 | 799 |
| 10/27/2013 2:15 AM | 10/25/2013 1:10 PM | 10/24/2013 2:44 PM |
| 112 | 517 | 1153 |
| 10/27/2013 2:12 AM | 10/25/2013 1:08 PM | 10/24/2013 2:40 PM |
| 595 | 483 | 637 |
| 10/27/2013 2:56 AM | 10/25/2013 12:52 PM | 10/24/2013 2:17 PM |
| 71 | 718 | 342 |
| 10/27/2013 2:45 AM | 10/25/2013 12:08 PM | 10/24/2013 2:14 PM |
| 240 | 215 | 846 |
| 10/27/2013 2:43 AM | 10/25/2013 10:20 AM | 10/24/2013 1:52 PM |
| 97 | 188 | 400 |
| 10/27/2013 2:15 AM | 10/25/2013 4:52 AM | 10/24/2013 1:41 PM |
| 217 | 362 | 650 |
| 10/26/2013 10:50 PM | 10/25/2013 4:42 AM | 10/24/2013 1:31 PM |
| 498 | 234 | 862 |
| 10/26/2013 2:26 PM | 10/25/2013 4:17 AM | 10/24/2013 1:23 PM |
| 246 | 699 | 532 |
| 10/26/2013 4:35 AM | 10/25/2013 4:07 AM | 10/24/2013 1:08 PM |
| 203 | 180 | 779 |
| 10/26/2013 1:13 AM | 10/25/2013 12:41 AM | 10/24/2013 1:06 PM |
| 400 | 1039 | 455 |
| 10/25/2013 3:06 PM | 10/24/2013 11:49 PM | 10/24/2013 1:00 PM |
| 450 | 115 | 412 |
| 10/25/2013 2:43 PM | 10/24/2013 10:59 PM | 10/24/2013 12:52 PM |
| 800 | 480 | 340 |
| 10/25/2013 2:26 PM | 10/24/2013 9:30 PM | 10/24/2013 12:36 PM |
| 420 | 756 | 336 |
| 10/25/2013 2:04 PM | 10/24/2013 4:50 PM | 10/24/2013 12:30 PM |
| 476 | 500 | 55 |
| 10/25/2013 2:04 PM | 10/24/2013 4:39 PM | 10/24/2013 11:07 AM |

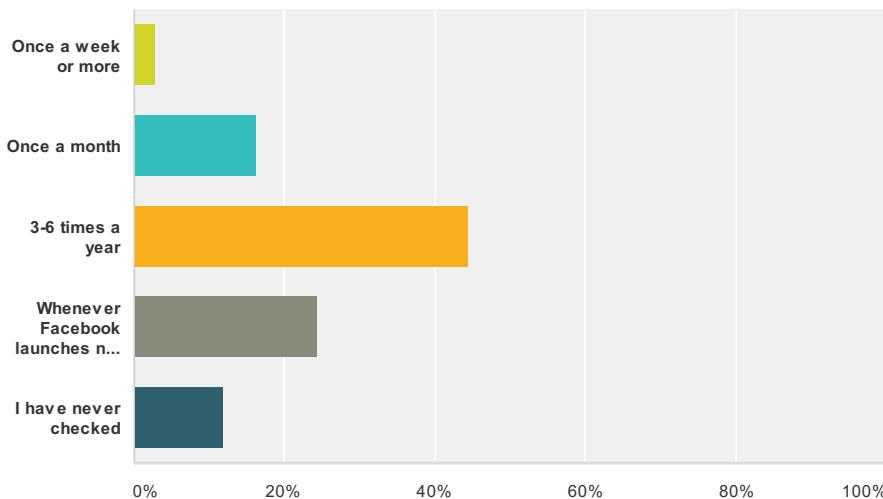
| | | |
|----------------------------|-----------------------------|----------------------------|
| 397 10/23/2013 8:02 PM | 619 10/22/2013 12:00 PM | 96 10/20/2013 2:43 PM |
| 60 10/23/2013 7:41 PM | 99 10/22/2013 11:53 AM | 368 10/20/2013 1:13 AM |
| 360 10/23/2013 1:10 PM | 595 10/22/2013 11:46 AM | 600 10/19/2013 11:54 PM |
| 300 10/23/2013 12:10 PM | 1199 10/22/2013 11:28 AM | 450 10/19/2013 9:55 PM |
| 36 10/23/2013 11:36 AM | 220 10/22/2013 11:25 AM | 379 10/19/2013 7:59 PM |
| 202 10/23/2013 1:53 AM | 239 10/22/2013 11:24 AM | 100 10/19/2013 7:36 PM |
| 365 10/22/2013 8:20 PM | 619 10/22/2013 11:21 AM | 82 10/19/2013 1:17 PM |
| 130 10/22/2013 8:04 PM | 45 10/21/2013 9:59 PM | 60 10/18/2013 11:41 PM |
| 184 10/22/2013 7:48 PM | 38 10/21/2013 8:49 PM | 52 10/18/2013 11:05 PM |
| 250 10/22/2013 7:43 PM | 880 10/21/2013 8:40 PM | 500 10/18/2013 9:20 PM |
| 372 10/22/2013 5:51 PM | 112 10/21/2013 8:16 PM | 438 10/18/2013 6:53 PM |
| 400 10/22/2013 5:03 PM | 52 10/21/2013 8:04 PM | 156 10/18/2013 4:23 PM |
| 87 10/22/2013 5:02 PM | 240 10/21/2013 5:15 PM | 72 10/18/2013 3:26 PM |
| 797 10/22/2013 4:27 PM | 261 10/21/2013 3:22 PM | 121 10/18/2013 7:01 AM |
| 407 10/22/2013 2:27 PM | 365 10/21/2013 3:21 PM | 300 10/18/2013 2:46 AM |
| 143 10/22/2013 12:36 PM | 126 10/21/2013 2:24 PM | 335 10/18/2013 2:38 AM |
| 466 10/22/2013 12:29 PM | 25 10/21/2013 11:43 AM | 298 10/18/2013 12:54 AM |
| 434 10/22/2013 12:28 PM | 400 10/21/2013 8:24 AM | 38 10/17/2013 7:50 PM |
| 692 10/22/2013 12:24 PM | 210 10/21/2013 5:39 AM | 200 10/17/2013 6:23 PM |
| 250 10/22/2013 12:23 PM | 700 10/21/2013 1:56 AM | 160 10/17/2013 5:42 PM |
| 386 10/22/2013 12:19 PM | 316 10/20/2013 11:11 PM | 1498 10/17/2013 3:40 PM |

| | | |
|---------------------|--------------------|--------------------|
| 1000 | 158 | 547 |
| 10/17/2013 12:49 PM | 10/16/2013 7:36 PM | 10/16/2013 3:57 PM |
| 241 | 131 | 92 |
| 10/17/2013 7:03 AM | 10/16/2013 7:34 PM | 10/16/2013 3:57 PM |
| 429 | 566 | 70 |
| 10/17/2013 5:16 AM | 10/16/2013 7:25 PM | 10/16/2013 3:53 PM |
| 23 | 200 | 35 |
| 10/17/2013 5:10 AM | 10/16/2013 7:25 PM | 10/16/2013 3:40 PM |
| 179 | 691 | 403 |
| 10/17/2013 5:05 AM | 10/16/2013 7:25 PM | 10/16/2013 3:32 PM |
| 1439 | 140 | 5 |
| 10/17/2013 2:55 AM | 10/16/2013 7:23 PM | 10/16/2013 3:28 PM |
| 251 | 40 | 201 |
| 10/17/2013 2:10 AM | 10/16/2013 7:20 PM | 10/16/2013 3:27 PM |
| 168 | 105 | 54 |
| 10/17/2013 1:52 AM | 10/16/2013 7:12 PM | 10/16/2013 3:14 PM |
| 267 | 135 | 33 |
| 10/16/2013 10:37 PM | 10/16/2013 6:49 PM | 10/16/2013 3:08 PM |
| 150 | 36 | 153 |
| 10/16/2013 9:34 PM | 10/16/2013 6:00 PM | 10/16/2013 2:58 PM |
| 28 | 450 | 77 |
| 10/16/2013 9:32 PM | 10/16/2013 5:38 PM | 10/16/2013 2:51 PM |
| 260 | 800 | 75 |
| 10/16/2013 8:48 PM | 10/16/2013 5:25 PM | 10/16/2013 2:48 PM |
| 200 | 138 | 469 |
| 10/16/2013 8:21 PM | 10/16/2013 5:11 PM | 10/16/2013 2:45 PM |
| 159 | 90 | 627 |
| 10/16/2013 8:16 PM | 10/16/2013 5:01 PM | 10/16/2013 2:40 PM |
| 153 | 161 | 96 |
| 10/16/2013 8:13 PM | 10/16/2013 4:31 PM | 10/16/2013 2:38 PM |
| 310 | 83 | 407 |
| 10/16/2013 8:00 PM | 10/16/2013 4:27 PM | 10/16/2013 2:17 PM |
| 320 | 24 | 309 |
| 10/16/2013 7:56 PM | 10/16/2013 4:22 PM | 10/16/2013 2:11 PM |
| 122 | 4 | 100 |
| 10/16/2013 7:55 PM | 10/16/2013 4:17 PM | 10/16/2013 2:08 PM |
| 51 | 784 | 608 |
| 10/16/2013 7:48 PM | 10/16/2013 4:17 PM | 10/16/2013 2:01 PM |
| 228 | 6 | 135 |
| 10/16/2013 7:46 PM | 10/16/2013 4:09 PM | 10/16/2013 1:58 PM |
| 350 | 176 | 0 |
| 10/16/2013 7:37 PM | 10/16/2013 4:06 PM | 10/16/2013 1:57 PM |

Interdependent Privacy on Facebook

Q4 During the past year, how often did you check your Facebook privacy settings?

Besvart: 250 Hoppet över: 0

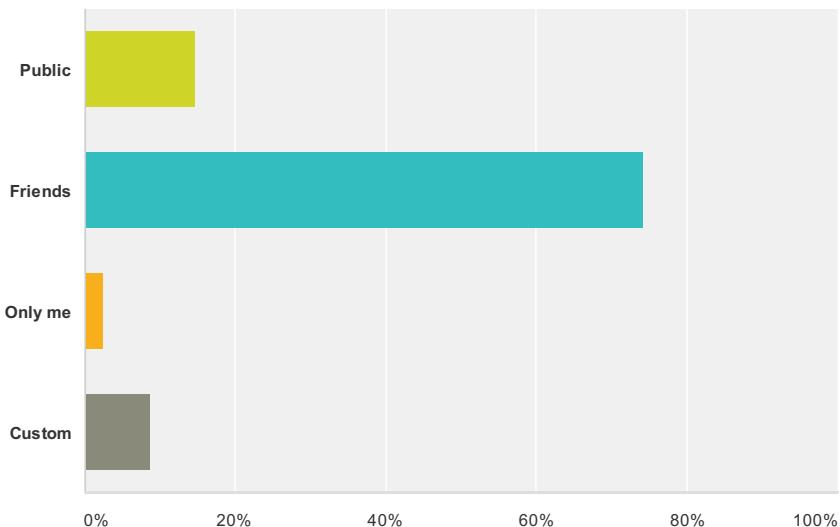


| Svarvalg | Svar | |
|---|--------|------------|
| Once a week or more | 2,80% | 7 |
| Once a month | 16,40% | 41 |
| 3-6 times a year | 44,40% | 111 |
| Whenever Facebook launches new features | 24,40% | 61 |
| I have never checked | 12% | 30 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q5 What kind of restrictions do you have under “Who can see my stuff”? Who can see your future posts?

Besvart: 250 Hoppet över: 0

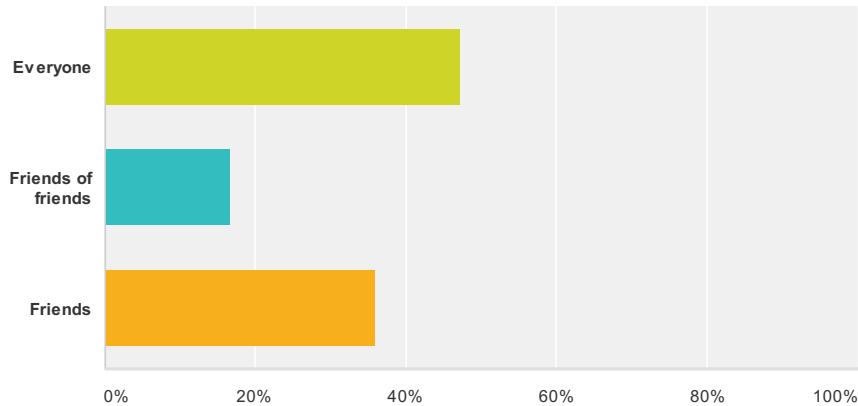


| Svarvalg | Svar | |
|---------------|--------|------------|
| Public | 14,80% | 37 |
| Friends | 74% | 185 |
| Only me | 2,40% | 6 |
| Custom | 8,80% | 22 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q6 What kind of restrictions do you have under "Who can look me up"? Who can look you up using the email address or phone number you provided?

Besvart: 250 Hoppet över: 0

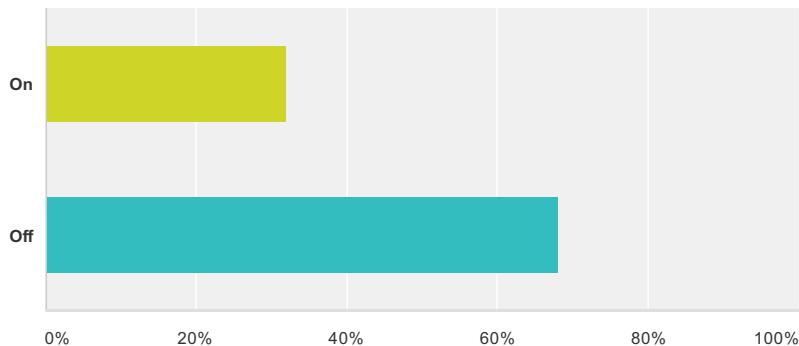


| Svarvalg | Svar | |
|--------------------|--------|------------|
| Everyone | 47,20% | 118 |
| Friends of friends | 16,80% | 42 |
| Friends | 36% | 90 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q7 What kind of restrictions do you have under "Who can look me up"? Do you want other search engines to link to your timeline?

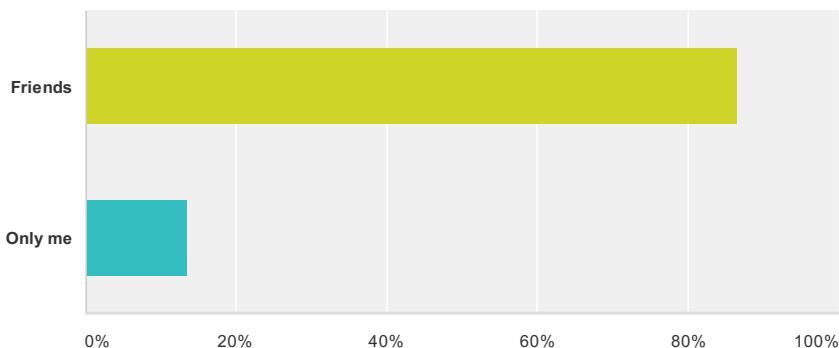
Besvart: 250 Hoppet över: 0



Interdependent Privacy on Facebook

Q8 What kind of restrictions do you have under "Who can add things to my timeline"? Who can post on your timeline?

Besv art: 250 Hoppet over: 0

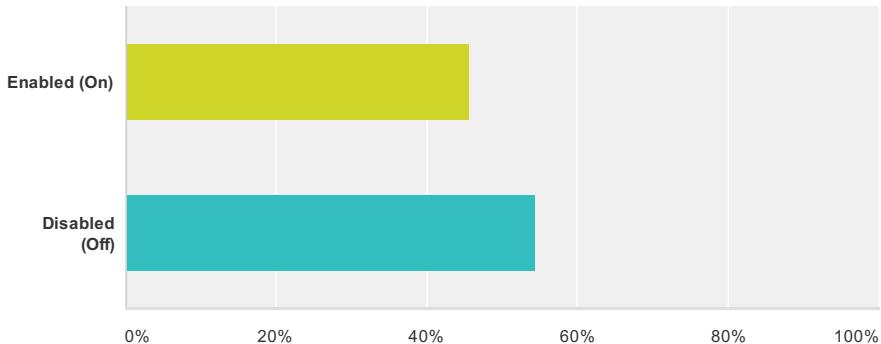


| Svarvalg | Svar | |
|----------|--------|-----|
| Friends | 86,40% | 216 |
| Only me | 13,60% | 34 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q9 What kind of restrictions do you have under "Who can add things to my timeline"? Review posts friends tag you in before they appear on your timeline.

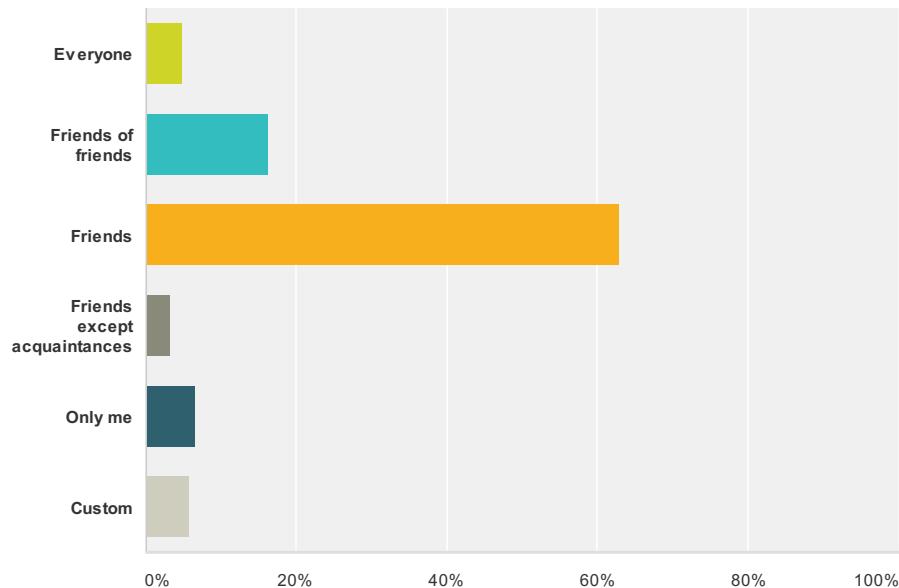
Besvarat: 250 Hoppet över: 0



Interdependent Privacy on Facebook

Q10 What kind of restrictions do you have under "Who can see things on my timeline"? Who can see posts you've been tagged in on your timeline?

Besvart: 250 Hoppet över: 0

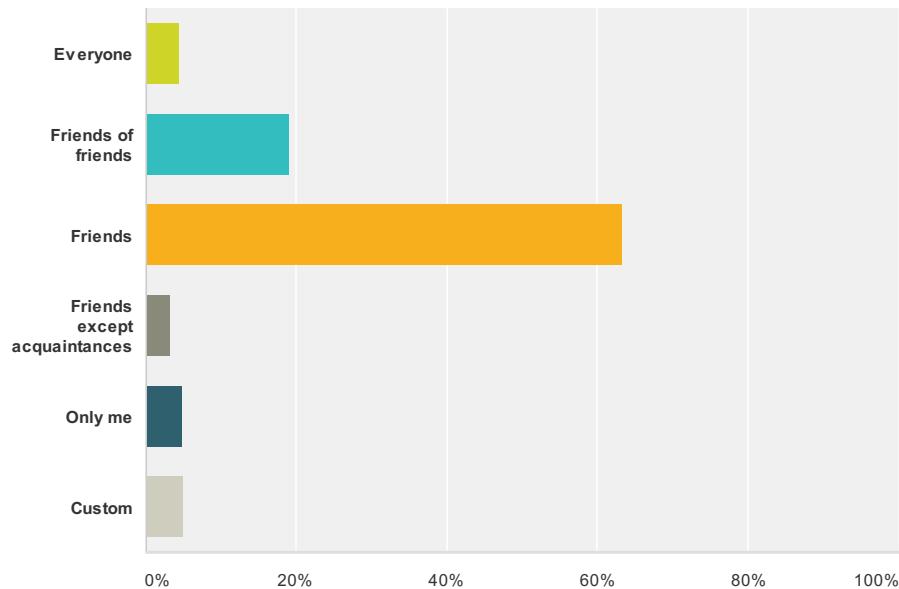


| Svarvalg | Svar | |
|------------------------------|--------|------------|
| Everyone | 4,80% | 12 |
| Friends of friends | 16,40% | 41 |
| Friends | 62,80% | 157 |
| Friends except acquaintances | 3,20% | 8 |
| Only me | 6,80% | 17 |
| Custom | 6% | 15 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q11 What kind of restrictions do you have under "Who can see things on my timeline"? Who can see what others post on your timeline?

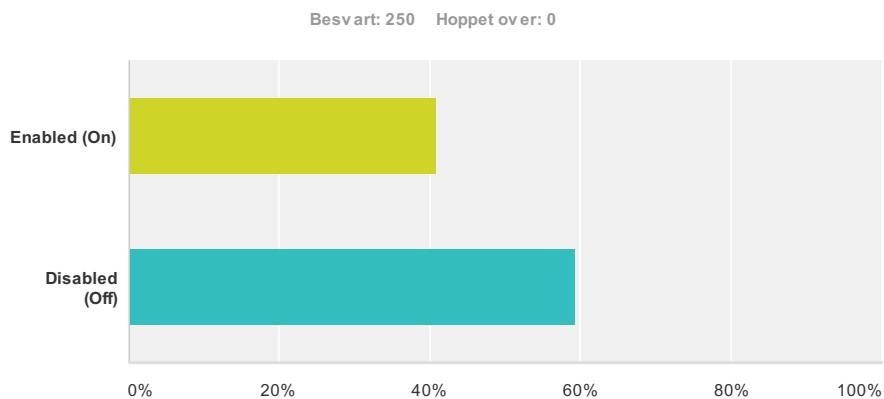
Besvarat: 250 Hoppet över: 0



| Svarvalg | Svar | |
|------------------------------|--------|------------|
| Everyone | 4,40% | 11 |
| Friends of friends | 19,20% | 48 |
| Friends | 63,20% | 158 |
| Friends except acquaintances | 3,20% | 8 |
| Only me | 4,80% | 12 |
| Custom | 5,20% | 13 |
| Totalt | | 250 |

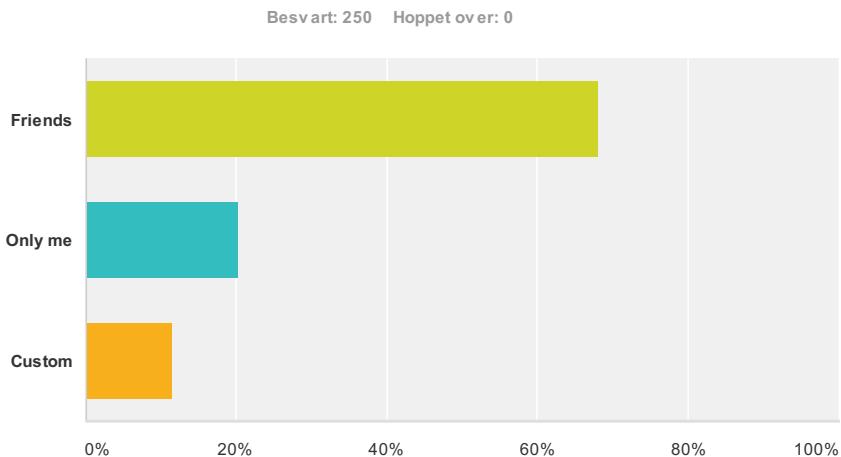
Interdependent Privacy on Facebook

Q12 What kind of restrictions do you have under "How can I manage tags people add and tagging suggestions"? Review tags people add to your own posts before the tags appear on Facebook.



Interdependent Privacy on Facebook

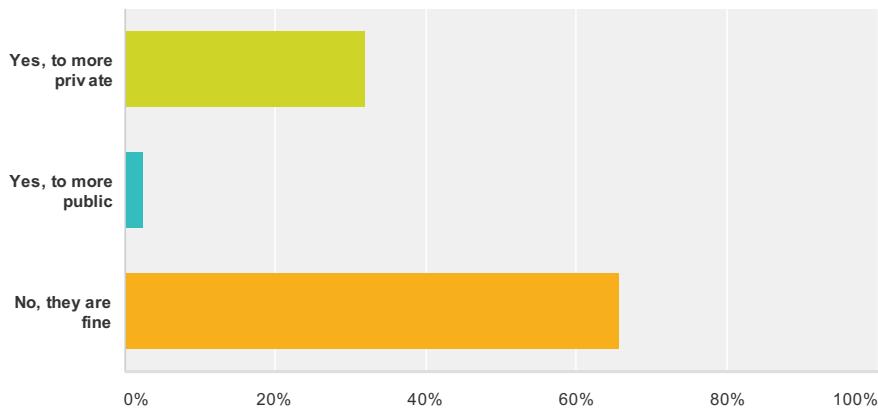
Q13 What kind of restrictions do you have under "How can I manage tags people add and tagging suggestions"? When you're tagged in a post, who do you want to add to the audience if they aren't already in it?



Interdependent Privacy on Facebook

Q14 Now, that you have gone through your privacy-related settings, are you considered changing them?

Besv art: 250 Hoppet over: 0

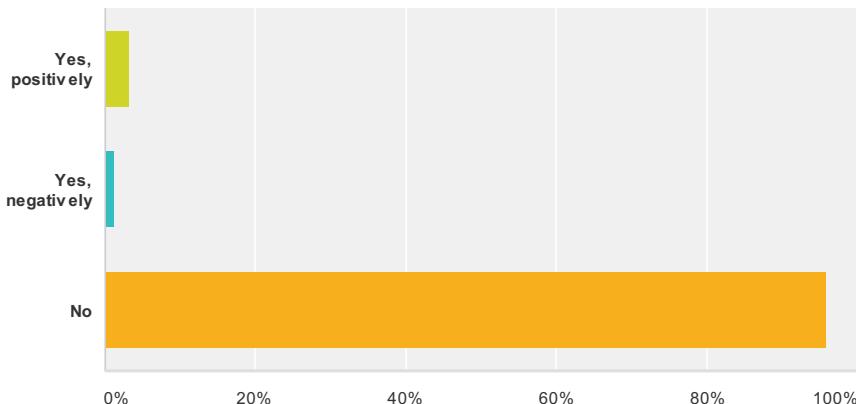


| Svarvalg | Svar | Antal |
|----------------------|--------|-------|
| Yes, to more private | 32% | 80 |
| Yes, to more public | 2,40% | 6 |
| No, they are fine | 65,60% | 164 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q15 Have you ever experienced that your use of Facebook has affected your professional life (future job prospects etc.)?

Besvart: 250 Hoppet över: 0



Q16 If you answered Yes on the previous question, please describe the situation that occurred.

Answered: 10 Skipped: 240

I'm a dancer/dj load of my contact are on FB

11/6/2013 11:21 AM

advertisement, promotions that allow me to reach to more customers

11/4/2013 9:59 PM

My boss found out I smoked weed, and he made me stop.

10/30/2013 8:53 AM

because i used to spent more time in fb so i sometime am busy

10/29/2013 6:21 PM

Being noticed by peers when using FB groups leading to requests.

10/25/2013 2:08 PM

private

10/22/2013 8:26 PM

Was able to turn a script I wrote into a short film.

10/21/2013 8:43 PM

hampering work, studies etc

10/20/2013 11:16 PM

During a job search, I got links and suggestions from my friends to visit companies and their Facebook pages and groups online.

10/19/2013 1:23 PM

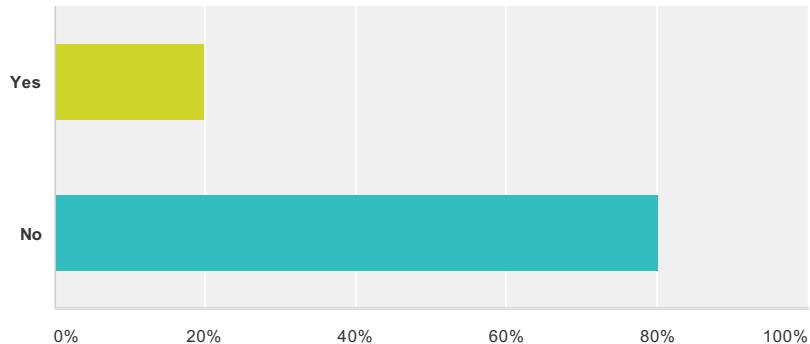
I can keep in touch with my childhood and school friends.

10/17/2013 5:18 AM

Interdependent Privacy on Facebook

Q17 Have your use of Facebook lead to any uncomfortable situations (unpleasant messages, inappropriate pictures or comments etc.)?

Besvart: 250 Hoppet över: 0



| Svarvalg | Svar | |
|----------|------|-----|
| Ja | 20% | 50 |
| Nej | 80% | 200 |
| Totalt | | 250 |

Q18 If you answered Yes on the previous question, please describe the situation that occurred.

Answered: 48 Skipped: 202

It was before everybody had facebook, in 2006. There was a group for my sports team in school, and I had quoted something inappropriate that someone had said. Months later, someone had told this person about it.
11/7/2013 3:54 PM

Its just comment abuse.i get that some of the time
11/6/2013 3:30 AM

have had many encounters with stalkers
11/4/2013 10:51 PM

In college some pictures with holding a beer my family did not approve of it.
11/4/2013 10:00 PM

Just certain things that I would not want my parents to see, now that I see that I can review things before they post I feel better.
10/31/2013 4:45 AM

I've gotten into some hot water with women (kissing and all that when I wasn't suppose to)
10/30/2013 8:54 AM

I had a friend I parted ways with harass me on facebook by threatening messages, posts to photos about me, etc. I also had sexual harassment over facebook message by an ex boyfriend, inappropriate comments and propositions I was not interested in.
10/30/2013 2:46 AM

some time friends tag me un wanted picture
10/29/2013 6:23 PM

Before I changed my settings, someone posted a picture of me that I did not want to share with everyone else.
10/29/2013 5:13 PM

sicko men who are looking for sex
10/29/2013 2:40 PM

Inappropriate language used from friends, disagreements carried out on facebook, too many things that people should keep private are made public.
10/29/2013 2:37 PM

mom posted something on there about another kid in a picture with my daughter.
10/29/2013 2:18 PM

respectfully wish to keep private
10/29/2013 1:11 AM

People tagging me in posts and posting things to my wall that I do not approve of. Alos, being tagged and having posts made to my wall that are spam posts with unssafe/sketchy links
10/29/2013 12:35 AM

people tagging me in pics
10/27/2013 6:15 AM

just dumb things I posted while drunk/drinking
10/27/2013 2:34 AM

Pictures that were not photogenic being tagged
10/27/2013 2:17 AM

I've had men show me their penises in private messages. I didn't want to see that.

10/27/2013 2:00 AM

My made some negative comments on one of my posts that she thought was directed at her personally.

10/27/2013 2:48 AM

Friends posting inappropriate pictures, and/or posting inappropriate comments on mine or other peoples walls

10/25/2013 2:10 PM

offensive messages

10/25/2013 12:15 PM

An ex girlfriend was using Facebook to get information about me and my friends.

10/25/2013 4:18 AM

I shared (public) a photo from a friends timeline which he had posted to a limited set of friends, he got mad

10/24/2013 4:58 PM

messages who I didnt need

10/24/2013 4:25 PM

Someone commented something on a photo I was tagged in that I don't want everyone to know about me

10/24/2013 4:10 PM

Someone published a picture of me when I was drunk

10/24/2013 3:11 PM

I have many younger friends on facebook (underage), and I would like to be a good role model. So sometimes there have been pictures of me consuming alcohol, and I don't want my younger friends to see that. I now have customized my settings, so they only see my personal posts which doesn't include alcohol/smoking etc.

10/24/2013 2:00 PM

I girl posted a naked photo of me

10/24/2013 1:08 PM

My mother put up innappropriate comments about my ex-roommates on a friends' status that I was tagged in.

10/22/2013 7:58 PM

Inappropriate messages from unknown people, and friend requests from total randoms

10/22/2013 11:52 AM

Vulgar comments from immature teens

10/21/2013 8:07 PM

Rude comments on a picture one time. Another time, a relatives contacted me and was angry about family drama.

10/21/2013 5:18 PM

People who I have told to never contact me again trying to contact me and my family through facebook.

10/21/2013 5:41 AM

many admins of some pages post some dirty pictures

10/20/2013 11:18 PM

stalked by an ex-bf

10/19/2013 9:58 PM

Just pictures of me not looking my best being posted by friends who then tag me and suddenly everyone - friends of friends, etc. can see the pics. It wasn't disasterous or inappropriate, but those weren't pictures I wanted old classmates from high school to look at (unless we are friended on FB).

10/18/2013 11:08 PM

I get messages from time to time for someone famous that did some pretty bad stuff. I've also gotten some pretty gross picture unrelated to that.

10/18/2013 3:28 PM

Uncomfortable pictures

10/18/2013 2:49 AM

Sometimes a few friends use very distasteful language, or post gross pictures.

10/17/2013 7:52 PM

Estranged mother in law sends inappropriate messages.

10/17/2013 6:25 PM

One time I got "hacked" and a bot was posting inappropriate pictures on my wall

10/16/2013 9:38 PM

Facebook drama is called Facebook drama for a reason - friends freak out!

10/16/2013 7:51 PM

drunk people posting awkward things

10/16/2013 7:50 PM

Someone was insulting and harassing me until I blocked them.

10/16/2013 3:34 PM

A family member was uncomfortable and unhappy with a person that I added as a friend and exchanged messages and photos with - this was a person from their past

10/16/2013 3:18 PM

inappropriate flirting, texts, comments, photos, sexual overtures

10/16/2013 2:43 PM

In local groups I have gotten into heated debates and gotten nasty messages from members.

10/16/2013 2:14 PM

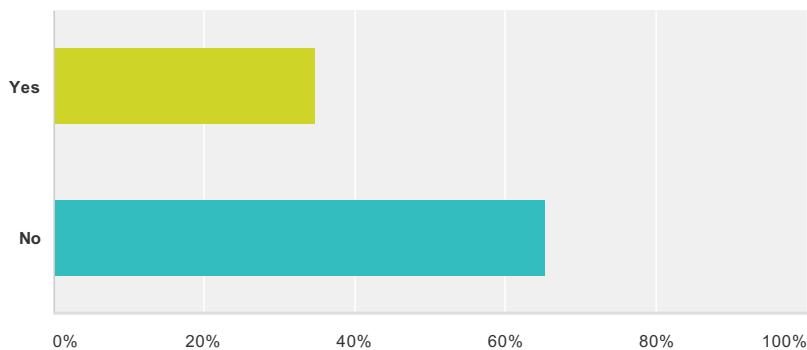
In a previous Facebook account, someone tagged me in their photos, and he turned out to be a creap. I did not want to be tagged. I now have an account under a false name that I only use to play Scrabble!

10/16/2013 2:04 PM

Interdependent Privacy on Facebook

Q19 Do you use “timeline review”?
(Review posts that others tagged of you before they appear on your timeline.)

Besvart: 250 Hoppet över: 0

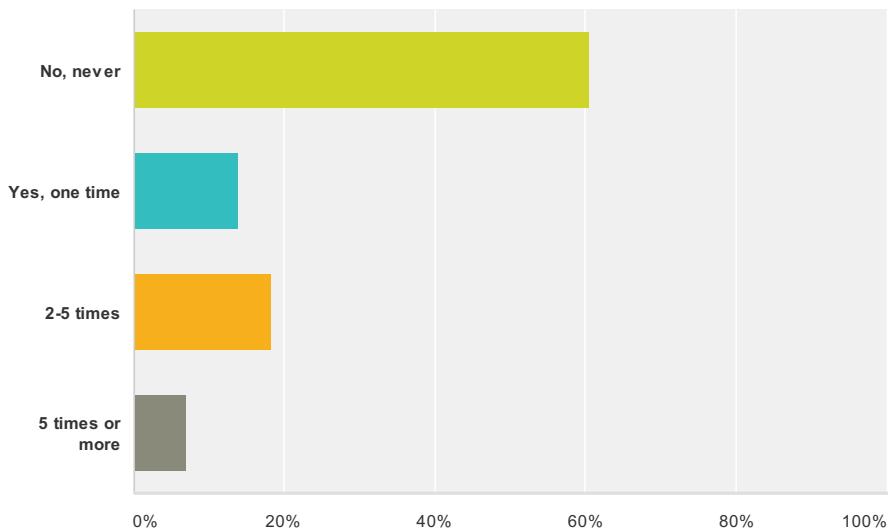


| Svarvalg | Svar | |
|----------|--------|-----|
| Yes | 34,80% | 87 |
| No | 65,20% | 163 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q20 Have you blocked any persons because you felt uncomfortable/harassed?

Besvarat: 250 Hoppet över: 0

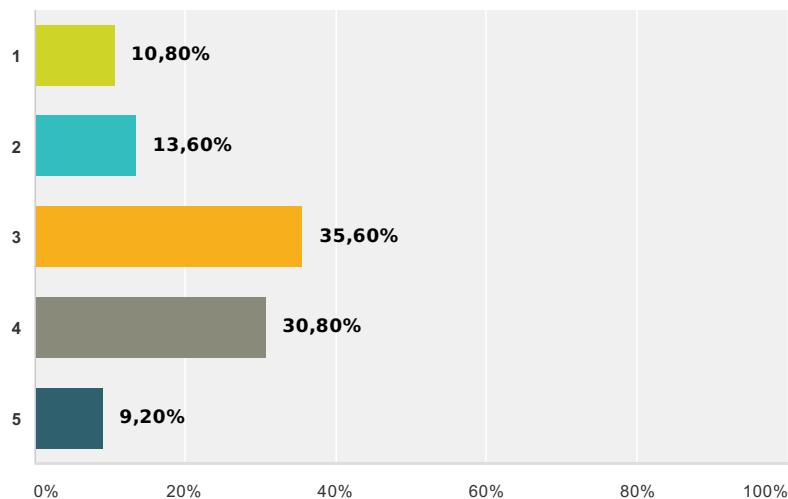


| Svarvalg | Svar | |
|-----------------|--------|------------|
| No, never | 60,40% | 151 |
| Yes, one time | 14,00% | 35 |
| 2-5 times | 18,40% | 46 |
| 5 times or more | 7,20% | 18 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q21 To what degree do you care about what is published about yourself on a scale from 1 - 5, where 1 is "Don't care at all, everything can be public" and 5 is "I untag and hide everything that is published of me" (pictures, comments etc.)? Please elaborate in the text box below.

Besvart: 250 Hoppet över: 0



I don't mind friends see pictures of me, or tag me in post. But I don't want people I don't know to see my post.
11/7/2013 6:31 PM

I untag ugly pictures, i ask the publisher to remove inappropriate pictures.
11/7/2013 3:59 PM

Friends are welcome to see everything posted with my name tagged
11/7/2013 3:36 PM

i don't care about my comments .but i do care about my personal pictures
11/6/2013 3:33 AM

I do not want some exes to see anything about me.
11/5/2013 9:03 PM

It matters to me when things about me are published, people would have an impression by seeing the posts of me. So, I care about it.
11/5/2013 12:39 PM

I really don't care that much because I can trust that nothing will be posted against my overall interest.
11/5/2013 5:37 AM

I am not a huge fan of everything i post being opened to anyone
11/4/2013 10:52 PM

I only want good things about me to be highlighted and shared
11/4/2013 10:01 PM

Because I'm a boring person and nothing would really bother me.
11/4/2013 8:54 PM

I don't really do anything controversial, so I haven't had to worry much about things being posted about me that are that bad, unless they are lies.
11/3/2013 9:23 PM

I have things generally visible to friends - and I'm ok with that.
11/3/2013 9:13 PM

I only want my friends to see my post, tags, photos and likes.
11/3/2013 6:58 PM

It does not bother me. Only my friends can see.
11/3/2013 6:28 PM

I don't mind if friends can see posts about me.
11/2/2013 8:40 PM

I have no worries about who sees what I post.
11/2/2013 8:01 PM

I am very particular as to what gets published about me.
11/2/2013 4:15 PM

I untag and hide pictures or posts if they are too personal.
11/1/2013 8:48 AM

I only want friends to see my posts and be able to post to my timeline
11/1/2013 12:04 AM

Dont trust the internet
10/31/2013 10:53 PM

I am pretty private but I am not concerned what my friends will post, only the public.
10/31/2013 2:42 PM

Never had to delete anything since I've been using Facebook, however if someone were to post something inappropriate then I would take action.

10/31/2013 9:03 AM

I don't really mind what is published about me. Facebook does not mean much to me.

10/31/2013 4:47 AM

I only care it it's a photo I don't like of myself or if it's not appropriate for some reason.

10/30/2013 10:30 PM

For the most part I do not care as I do not do anything incriminating so its not an issue.

10/30/2013 6:27 PM

I care about what is published about me. I am a private person.

10/30/2013 5:39 PM

I don't like strangers seeing certain things.

10/30/2013 5:00 PM

I don't give a shit most of the time, I just hate getting smoked.

10/30/2013 8:55 AM

I really don't care if someone wants to look at my profile

10/30/2013 7:39 AM

i dont want people to see my stuff

10/30/2013 3:55 AM

I keep out of others business for that i usually dont ave a problem

10/30/2013 3:02 AM

I have untagged any photos of myself with people I have personal problems with, or have blocked on facebook. I look at every photo and post I am tagged in and determine if I want to keep the tag. I am always looking out for things that other people are posting that might reflect badly on me just because they decided to tag me in it.

10/30/2013 2:49 AM

I like to review materials before they're posted, but most of the time it's okay, especially since only friends can see things.

10/29/2013 5:14 PM

I don't care at all/

10/29/2013 5:13 PM

I'm a pretty simple person and there is nothing for anyone to say bad about me so I am not worried about that

10/29/2013 3:59 PM

I don't share all my information so there is nothing to publish about me.

10/29/2013 3:14 PM

I really don't post anything embarrassing or extremely private. When I do, I make sure to only allow certain people to see it. But that's very rare.

10/29/2013 3:06 PM

i untag a lot but leave some.

10/29/2013 2:53 PM

I work in an industry where I need to be known online, so having stuff public about myself is not a big deal. I am comfortable with it

10/29/2013 2:41 PM

I dont mind as long as its not crude

10/29/2013 2:41 PM

I want to have control over what is published. I should be the one to decide what is made public about my life.
10/29/2013 2:39 PM

I want to review what I have been tagged in, but in general I don't really care.
10/29/2013 2:29 PM

I dont think anything of me out there is something that is bad so i do not mind everyone seeing it.
10/29/2013 2:20 PM

i have nothing to hide
10/29/2013 2:04 PM

I would prefer controlling what pictures of myself are shown on facebook
10/29/2013 1:41 PM

I don't manage it, generally I only post things I'm willing to be public, but don't monitor.
10/29/2013 6:15 AM

If it is compromising or could damage my image in the future, I remove it
10/29/2013 12:38 AM

I don't post a lot to Facebook and am very careful about what I do post
10/28/2013 4:30 PM

I care about what I am tagged in and will monitor what tags there are to make sure nothing is going through that I deem questionable.
10/28/2013 4:26 PM

I don't want a large online presence. I like to control what other people see of me online.
10/28/2013 2:09 PM

I don't really care if my information is public or not
10/27/2013 10:50 PM

it doesn't bother me because I have nothing to hide
10/27/2013 7:51 AM

there are certain things i just want between me and my friends and not family
10/27/2013 6:18 AM

I was first vote on what representation of me ends up online
10/27/2013 2:35 AM

i basically don't care unless i look really bad in a photo or it's vulgar
10/27/2013 2:19 AM

I like to have control as some people have bad judgement
10/27/2013 2:15 AM

Unflattering pictures of myself I always want to hide and I don't allow them to be published to timeline.
10/27/2013 2:02 AM

I think most people can find out anything they want if they look hard enough so I don't think it would make a difference
10/27/2013 2:50 AM

I don't have much to hide so everything can be public is fine with me.
10/27/2013 2:47 AM

I care to an extent. If a bad photo is posted of me, I then don't want it to show but others are usually fine. If I'm tagged at some place it depends where I am at and who I want to know.
10/27/2013 2:23 AM

I don't untag everything because the point of the site is to be social.

10/26/2013 10:52 PM

i dont post private things so i don't care who sees

10/26/2013 4:39 AM

I am not very concerned about what is published about me.

10/26/2013 1:19 AM

If what is published is offending, then I'd rather remove it. If not, it can just as well be public (my life isn't that crazy).

10/25/2013 2:35 PM

I have two accounts. One public under full name with co workers and work contacts. One using a pseudonym that only people who really know me can find. The private one is used in a really restrictive manner when it comes to being identified.

10/25/2013 2:14 PM

I usually let it flow, but prefer that it's only accessible by friends, or max friends of friends

10/25/2013 12:58 PM

I review all tags and hide some

10/25/2013 12:18 PM

I don't really mind about what is published about myself

10/25/2013 10:26 AM

Once I have asked my friend to remove a photograph of mine

10/25/2013 5:00 AM

I do review where the picture is posted, and what is the nature of the pictures around the picture I am in. I

10/25/2013 4:50 AM

I care about my privacy online and I don't want people knowing everything about me, but I do want to share some things with friends.

10/25/2013 4:23 AM

I don't really care that much, and most of what is posted is funny or good

10/25/2013 4:11 AM

I untag/hide photos that I'm not comfortable with being public.

10/24/2013 11:59 PM

I don't want horrible stuff posted about me.

10/24/2013 11:02 PM

Try to limit the exposure to harmless / positive things only

10/24/2013 5:00 PM

I carefully select what should be available. That is close to nothing.

10/24/2013 4:55 PM

I don't want everyone to see photos that I'm tagged in.

10/24/2013 4:12 PM

It's a tricky dilemma, because when you untag you also lose control over what happens with the picture/post, but I've landed on rather untagging and hide on stuff I'm not necessarily that happy to be associated with.

10/24/2013 3:23 PM

I untag comments or pictures of me that I find inappropriate

10/24/2013 2:19 PM

Since I have so many friends that are more like acquaintances, I only like it to be under control.

10/24/2013 2:03 PM

I feel that you need to be aware that whatever you do in public can be posted online. Your "online life" should reflect your real life, and employers should realize that they are hiring real people. So whatever you do in life should be things that you can accept having on your Facebook wall.

10/24/2013 1:39 PM

It depends on what is published about me. If it is a good thing, then it is fine and vice versa

10/24/2013 1:08 PM

I usually don't hide things, but like to be aware of what is tagged/commented/etc

10/24/2013 12:34 PM

I don't like ugly pictures or party pictures being posted

10/23/2013 8:11 PM

I try to keep private, but I understand not everything can remain private.

10/23/2013 7:45 PM

I am always concerned of what is being posted of me in facebook.

10/23/2013 12:15 PM

I generally do not care about what is published about me, but there are somethings that I delete or untag.

10/23/2013 1:58 AM

Most is OK, but I'd like to review it.

10/22/2013 8:33 PM

I like to remain somewhat private to people outside my friends.

10/22/2013 8:08 PM

I figure if I put it out there, I should be comfortable with everyone seeing it.

10/22/2013 7:59 PM

I want to screen my page so only I can decide what is projected of me. I hide only what I want to get rid of.

10/22/2013 4:32 PM

Vil ikke at alt skal legges ut, men har ikke opplevd noe negativt så langt - prøver å begrense den offentlige profilen så mye som mulig

10/22/2013 3:03 PM

Most of what is posted of me on Facebook I feel can be shared with my friends, but not necessarily the public. Somethings are also just available for me and my girlfriend.

10/22/2013 12:38 PM

care a lot

10/22/2013 12:35 PM

Something should be kept more private than other tings. I do not have a problem sharing comments and pictures with my friends, as long as the content is appropriate. I certainly do not like to share everything about myself on facebook.

10/22/2013 12:14 PM

I try to check everything and delete the things I dont want shown, or linked to my name

10/22/2013 11:56 AM

Small friends list means im not totally public, but i generally don't care. Once it is one the internett i have no control of it.

10/22/2013 11:34 AM

I'm very cautious about my image on Facebook

10/21/2013 10:08 PM

I'm okay with appropriate things shared with my friends

10/21/2013 8:54 PM

I obviously don't want bad things published about me.

10/21/2013 8:44 PM

I don't want the public seeing photos of me, but I don't mind if friends of friends see them because my friends may be referencing me to somebody.

10/21/2013 8:23 PM

I like to keep things between me and my close friends

10/21/2013 8:09 PM

I like some privacy but I'm also okay sharing with my friends and family, so I go with a "middle of the road" privacy approach.

10/21/2013 5:19 PM

I would like to review something in case its something that negatively affects me.

10/21/2013 3:26 PM

I dont care because people are going to write what they are going to write

10/21/2013 3:25 PM

I don't think about it much

10/21/2013 2:34 PM

I untag myself sometime from the stuff which I dont like personally.

10/21/2013 8:30 AM

I only awnt certain things to be completely public

10/21/2013 5:42 AM

I just want my friends to know things about me....no one else

10/21/2013 1:59 AM

it depends whats publised on the post

10/20/2013 11:22 PM

I don't have anything to hide

10/20/2013 2:49 PM

Certain things must be filtered, but I usually don't care.

10/20/2013 1:17 AM

I take off certain pictures

10/19/2013 11:55 PM

you never know what people can do with your info... once something is on the internet, it stays on the internet.

10/19/2013 10:01 PM

I limit some things to just friends or from some apps only me so I don't litter friends' walls with gaming messages.

10/19/2013 8:05 PM

I'd like review everything before published

10/19/2013 7:41 PM

I always do monitor what is going on, in which my name is involved.

10/19/2013 1:30 PM

Everything can be public, I want everyone to see my posts.

10/18/2013 11:47 PM

it depends on the situation entirely. sometimes I do and sometimes i don't

10/18/2013 11:09 PM

I don't want unflattering pictures of me tagged
10/18/2013 6:57 PM

I am not much care about what is published about myself. Its doesn't affect my life because its others thought not of mine so i didn't care.
10/18/2013 4:34 PM

Some pictures I'll allow if I'm tagged, but most stuff of me drinking with friends I don't allow. I don't like that kind of stuff going public.
10/18/2013 3:30 PM

Some things I'm okay with but very personal things about me like location and such, that I prefer kept private and I also try to avoid conflict and delete mean comments people on my wall post to each other.
10/18/2013 7:23 AM

I untag things I don't like
10/18/2013 2:51 AM

i care because of potential employers looking at it. Other than that I do not care
10/18/2013 2:43 AM

I don't care much unless it is untrue. There really isn't much posted about me, so I don't have a lot to worry about.
10/18/2013 12:58 AM

I am in the middle on this. I am okay with pictures, because I never posed for any questionable ones, but I still want to know which pictures are out there, and who is seeing them.
10/17/2013 7:54 PM

I don't like pictures of my baby to be seen by everyone.
10/17/2013 6:28 PM

I don't post my life on fb
10/17/2013 5:57 PM

I don't want anyone seeing anything truly about me or my personal information
10/17/2013 3:42 PM

I am sure that my friends wont cheat on me
10/17/2013 12:56 PM

I make sure there is nothing that would make anyone feel left out because I was tagged at an event or in a photo.
10/17/2013 7:06 AM

Its okay if my pictures are good and there is no fuss about it.
10/17/2013 5:21 AM

I am a control freak. I care about what is made public about me. Even though I haven't had any scares.
10/17/2013 5:16 AM

Fine for the most part
10/17/2013 5:11 AM

I am private and want to keep things private
10/17/2013 3:00 AM

While I'm not paranoid about social media, I am a very private person and do not want my life displayed on the internet. Most of my information is hidden and even my pictures have strict security.
10/17/2013 2:16 AM

I don't have anything that is too embarrassing
10/17/2013 1:56 AM

I haven't had any problems so far, so not too concerned
10/16/2013 10:41 PM

i don't currently have any problems with this, its ok if everything is public
10/16/2013 9:44 PM

I don't like when people tag me on bad pictures of me/ old pictures
10/16/2013 9:39 PM

I have un tagged myself in a few things. I don't want my pictures public.
10/16/2013 8:51 PM

I care but I havent run into anything that I needed to delete. I am careful about what I post and how people see me.
10/16/2013 8:26 PM

I feel too old for Facebook now and see it as a waste of time, don't want to use it so don't allow things about me on there
10/16/2013 8:20 PM

I really don't care
10/16/2013 8:17 PM

I am concerned about it
10/16/2013 8:03 PM

Only if it is something I don't like or want to be private.
10/16/2013 8:02 PM

It makes me uncomfortable wondering if and where stuff will turn up again
10/16/2013 7:52 PM

I definately want to review before something pops up
10/16/2013 7:52 PM

I want to control what others see about me and what they do with things like pictures other people post and tag me in.
10/16/2013 7:42 PM

I don't not want staler weirdos to see anything
10/16/2013 7:41 PM

I don't want random people on the internet seeing information about me. If I want some to know about me, I'll tell them personally.
10/16/2013 7:38 PM

It depends on what kind of pictures or comments that they tag me of.
10/16/2013 7:30 PM

There are some things I'd rather not have published but for the most part, I'm OK with my friends writing about me and posting my photos.
10/16/2013 7:30 PM

I have nothing to hide
10/16/2013 7:29 PM

I like to keep myself private
10/16/2013 7:29 PM

I don't believe any of my friends would post any embarrassing pictures, comments about me.
10/16/2013 7:23 PM

i haven't known how to use privacy setting now I will
10/16/2013 7:15 PM

I don't mind being tagged and sometimes love it.

10/16/2013 7:04 PM

I feel there should be a definite balance between personal and public. One should be at the same time somewhat public and personal too in some aspects.

10/16/2013 6:08 PM

I don't want anything negative posted on my facebook.

10/16/2013 5:42 PM

I don't care because I don't post pictures of myself on facebook.

10/16/2013 5:27 PM

I review everything that is posted about me or of me in order to be sure it reflects on me personally the way I want it to.

10/16/2013 5:16 PM

I don't actively untag myself but I care very much about it and only friends see stuff like that.

10/16/2013 5:04 PM

i don't mind what is published about me

10/16/2013 4:34 PM

I want to make sure information about me that should remain private, stays private.

10/16/2013 4:33 PM

i'm pretty cautious

10/16/2013 4:25 PM

I only have family on my facebook and wouldn't want people to see my grandchilids pictures unless I knew who they were.

10/16/2013 4:22 PM

I review everything and if I am happy with it and there is not much personal information, I will let it be posted, otherwise I block it.

10/16/2013 4:21 PM

There are certain things I don't want strangers to see, and then other things don't bother me if outsiders see it

10/16/2013 4:16 PM

I have a facebook account so others can see what I am up to. I purposly do not put anything embarrassing on it.

10/16/2013 4:14 PM

I dont want things visible that affects my safety

10/16/2013 4:05 PM

I care what I do in my real life and what I post on FB so I don't have to be ashamed of anything.

10/16/2013 4:04 PM

I don't mind friends seeing what is published about me or what I publish myself; however, after having been stalked I'm cautious about releasing personal information to people I don't know well.

10/16/2013 4:03 PM

I don't want offensive things to be published about myself in Facebook, but I don't give too much attention or care about things said about me in Facebook.

10/16/2013 3:48 PM

I want to go change everything to make it as private as possible.

10/16/2013 3:38 PM

I like to be in control of pictures I'm tagged in, but am pretty lenient with posts.

10/16/2013 3:35 PM

I care about how I look in the pictures I'm tagged in

10/16/2013 3:28 PM

I am careful about what I post online and my friends do their best to respect my privacy. But I will not remove tags or images of myself if family and friends post them - as long as they are respectful

10/16/2013 3:21 PM

If I post something, it is because I am ok with putting it out there. However, if someone posts something they tag me in, I review it before approving it.

10/16/2013 3:12 PM

There are some photos I'd rather not be on my wall.

10/16/2013 3:02 PM

Really not concerned. I rarely post and never post pics.

10/16/2013 2:59 PM

I don't do anything discriminatory, nor do I really do anything that people would find worth posting.

10/16/2013 2:53 PM

i only do this if there are things that I do not want totally public

10/16/2013 2:44 PM

I care somewhat about what is published. I want to keep some things private, between me and those on my friends list.

10/16/2013 2:42 PM

I just have no concerns, nothing will really have any affect on my life.

10/16/2013 2:20 PM

I don't mind pictures of me being tagged but I get annoyed and untag many political posts I am tagged in or when someone just wants me to see something so they tag me in it.

10/16/2013 2:16 PM

There is no way to opt out of Facebook searches anymore, I would rather not have Facebook have any more information about me than possible

10/16/2013 2:03 PM

I really only care about pics of my daughter that are posted

10/16/2013 2:02 PM

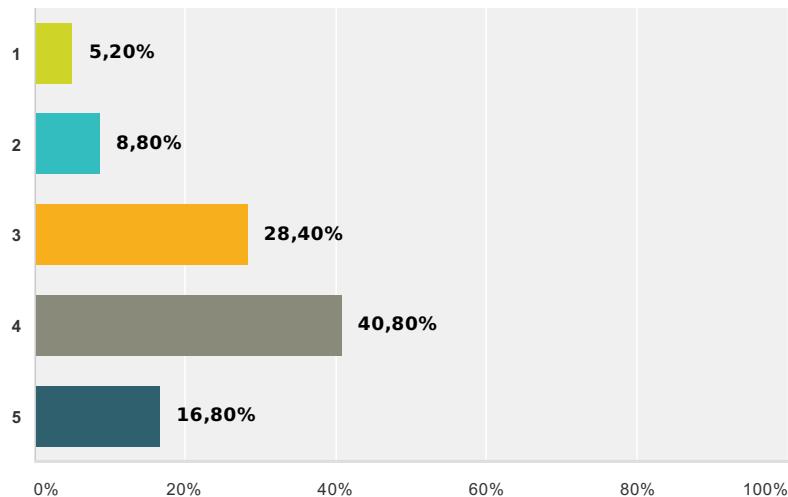
Don't care

10/16/2013 1:07 PM

Interdependent Privacy on Facebook

Q22 To what degree are you selective about what you post about others on a scale from 1 - 5, where 1 is "I am not selective at all, I post everything" and 5 is "I never post anything about anyone" (pictures, comments etc.)? Please elaborate in the text box below

Besvart: 250 Hoppet över: 0



I usually ask before I put pictures out on facebook of someone else. But I tag people in comments when I want them to see the post.

11/7/2013 6:31 PM

I consider it carefully before I post anything containing others.

11/7/2013 3:59 PM

I very seldom post anything.

11/7/2013 3:36 PM

i don't share any one's personal pictures.i share only some interesting content.Also i don't post any pictures of me or my friends

11/6/2013 3:33 AM

I always think very hard before posting anything, so as not to offend or create awkwardness.

11/5/2013 9:03 PM

I will not get into trouble by posting something nonsense or commenting irrelevantly. I avoid such things for safety measures.

11/5/2013 12:39 PM

That, I am careful because it involves other people's rights.

11/5/2013 5:37 AM

Never really post bad things on Facebook

11/4/2013 10:52 PM

I don't like to start drama

11/4/2013 10:01 PM

I usually ask people first if they would or wouldn't want me to post

11/4/2013 8:54 PM

I post everything, unless asked not to, or unless I see it as something inappropriate to post.

11/3/2013 9:23 PM

I do limit what I post - things that are super personal, I keep off fb.

11/3/2013 9:13 PM

I only post things I think my friends would be interested in seeing.

11/3/2013 6:58 PM

I do post about others but I make sure they are comfortable with me doing so first.

11/3/2013 6:28 PM

I post a few pictures of friends, especially if they ask me to.

11/2/2013 8:40 PM

I only post about others who I consider good friends.

11/2/2013 8:01 PM

I don't post anything my kids wouldn't like.

11/2/2013 4:15 PM

I select photos of my friends before I post on Facebook. I rarely tag my friends.

11/1/2013 8:48 AM

I only post positive comments about someone else

11/1/2013 12:04 AM

Facebook is weird. I don't put too much on it.

10/31/2013 10:53 PM

I would never post embarrassing things or something that would offend anyone.

10/31/2013 2:42 PM

I tend to post when I feel like it. I don't really like getting too personal on social networks.

10/31/2013 9:03 AM

I can be selective at times because I know that other people might be offended.

10/31/2013 4:47 AM

I don't like to post things about other people because I don't think that's my place.

10/30/2013 10:30 PM

I am cautious not to embarrass anyone or make them mad.

10/30/2013 10:08 PM

I feel I have an opinion that can be shared with just about everyone.

10/30/2013 6:27 PM

I do not want to offend anyone so I am careful what I post about others.

10/30/2013 5:39 PM

Same as above.

10/30/2013 5:00 PM

I'm only posting interesting things now.

10/30/2013 8:55 AM

i post whatever I want without care

10/30/2013 7:39 AM

I try and be considerate to others feelings

10/30/2013 3:02 AM

I like photography, so I always post pictures I have taken of people at events and such. I never post anything compromising to anyone though - no smoking, drinking, inappropriate clothing etc. I don't really comment on anything unless it is a photo I like.

10/30/2013 2:49 AM

I only post things that won't offend the other person.

10/29/2013 5:14 PM

I post what I want/

10/29/2013 5:13 PM

I am careful on what I do on facebook. I don't do things I wouldn't want done to me.

10/29/2013 3:59 PM

I never post pictures or anything I think is really important.

10/29/2013 3:14 PM

I don't like to start Facebook arguments. I believe that if I have a problem with someone, I'll take it to private messaging or over the phone.

10/29/2013 3:06 PM

i go through spurts of posting.

10/29/2013 2:53 PM

As long as it's not embarrassing photos from a night out, then I don't mind

10/29/2013 2:41 PM

I try not to be too personal

10/29/2013 2:41 PM

If it is positive, I post it. I never post photos without permission, and then I don't tag them. I do not use facebook to settle personal drama or disputes.

10/29/2013 2:39 PM

I only post picture of others and let them tag themselves if they want.

10/29/2013 2:29 PM

Not going to post anything that will upset anyone.

10/29/2013 2:20 PM

i respect peoples privacy

10/29/2013 2:04 PM

I will post comments joking about my close friends and sister but nothing embarrassing or hurtful

10/29/2013 1:41 PM

I don't use FB much, but I also don't believe in putting other people out there.

10/29/2013 6:15 AM

I dont post/tag often, especially on my own wall. I may tag friends on posts which they might find interesting

10/29/2013 12:38 AM

I am very careful about what I post and what it says about me

10/28/2013 4:30 PM

I think before posting how what I am posting might affect myself and the person I am tagging or may be in the picture. I understand that some content can have affects on others.

10/28/2013 4:26 PM

It's not my call to post other people on FB. I'd ask first.

10/28/2013 2:09 PM

I don't post anything that is secretive.

10/27/2013 10:50 PM

i want people to feel comfortable

10/27/2013 7:51 AM

i really dont post much i might post something dumb

10/27/2013 6:18 AM

I am very cautious about posting things about other people

10/27/2013 2:35 AM

i tend to not post much about others

10/27/2013 2:19 AM

I try to respect other people's privacy

10/27/2013 2:15 AM

I make sure that I don't post too much personal information about myself. It's all just music that I like and wonderful quotes or fliers that I like.

10/27/2013 2:02 AM

I'm not going to get in an argument, or gossip or talk negative about people I know.

10/27/2013 2:50 AM

I don't ever post anything about other people. I don't have the time to care really.

10/27/2013 2:47 AM

I rarely post about others, but when I do I make sure it is something that is ok and if it is a picture I get permission first.

10/27/2013 2:23 AM

I don't care enough to post regularly.

10/26/2013 10:52 PM

Poster ikke bilder som stiller andre i et dårlig lys

10/26/2013 2:52 PM

i dont post about others

10/26/2013 4:39 AM

I try to mind my own business.

10/26/2013 1:19 AM

If someone tell me to not post a picture, I wont. Anyways, Im not that active on the "posting" front

10/25/2013 2:35 PM

Privacy is important to me. It's meaningless not to give others the same courtesy.

10/25/2013 2:14 PM

I mostly use Facebook to occasionally share links/videos with friends and to get news updates from sites that I "like".

10/25/2013 2:10 PM

I try to consider other's privacy

10/25/2013 12:58 PM

I am selective about all my posts

10/25/2013 12:18 PM

I always try not poste embarrassing comments or anything about someone

10/25/2013 10:26 AM

Others understand you from the quality of your posts and likes

10/25/2013 5:00 AM

I am very careful about what I say. I made sure what I say won't offend anyone, and any commenting about events is left vague.

10/25/2013 4:50 AM

I do still want to communicate and share things with friends and family.

10/25/2013 4:23 AM

I rarely post about others unless it's nice

10/25/2013 4:11 AM

I don't want to start drama with people so I really am careful about what I post in regards to other people.

10/24/2013 11:02 PM

Try to limit the exposure to harmless / positive things only

10/24/2013 5:00 PM

I don't bother much about facebook.

10/24/2013 4:55 PM

I very rarely post photos and things about others.

10/24/2013 4:12 PM

I always ask for permission to post things about/with others.

10/24/2013 2:03 PM

I am careful about what I post about others because I don't know how open they are. And I don't want to make anyone "look bad" or have people see a different side of them than they want to show.

10/24/2013 1:39 PM

Don't do it too often, but try to be aware of what I would think if what I published was about me
10/24/2013 12:34 PM

I try not to post anything people would be uncomfortable with being on the internet
10/23/2013 8:11 PM

I know that there are some people like me who like to be private and would respect that. I always ask if it is ok for me to post a photo or something first before I do it.
10/23/2013 7:45 PM

-
10/23/2013 1:16 PM

I don't really post about my friends on facebook.
10/23/2013 12:15 PM

I generally just post everything unless told not to.
10/23/2013 1:58 AM

I mostly post with people's consent.
10/22/2013 8:33 PM

I am slightly selective. I post pictures of friends sometimes, but I make sure it's ok with them first.
10/22/2013 8:08 PM

I figure if I put it out there, I should be comfortable with everyone seeing it.
10/22/2013 7:59 PM

I rarely post on to other peoples facebook anyway and when I do I rarely think about being careful or selective.
10/22/2013 4:32 PM

Tar en vurdering på det jeg legger ut - legger skjeldent ut noe
10/22/2013 3:03 PM

I try to avoid to post stuff about others that they find uncomfortable or embarrassing.
10/22/2013 12:38 PM

think about if it was me
10/22/2013 12:35 PM

I only post things about friends I know are fine with it. I would never post anything about others that I would not like them to post about me.
10/22/2013 12:14 PM

I dont post things without people knowing about it!
10/22/2013 11:56 AM

They can post about themselves.
10/22/2013 11:34 AM

I never post anything on facebook
10/21/2013 10:08 PM

I post things that aren't sensitive.
10/21/2013 8:54 PM

I don't post bad things about others.
10/21/2013 8:44 PM

I would never post anything personal about anybody. I feel this is a breech of friendship.
10/21/2013 8:23 PM

I wouldn't want to accidentally embarrass anyone with a comment or anything
10/21/2013 8:09 PM

Same as above.

10/21/2013 5:19 PM

I will post things about others but I will also inform them that I am doing it.

10/21/2013 3:26 PM

I dont post anything that I know will affect how certain people see me and if it is disrespectful to my family

10/21/2013 3:25 PM

I don't post much random stuff anymore but I still post when I feel like it.

10/21/2013 2:34 PM

I rarely post anything about others, just share or re-post from my timeline.

10/21/2013 8:30 AM

I try not to post about family issues

10/21/2013 5:42 AM

I am cautious about what I post, only posting non private matters

10/21/2013 1:59 AM

I hardly post about other. If i post i make sure they like it

10/20/2013 11:22 PM

I do not post at all

10/20/2013 2:49 PM

I usually do not post on Facebook.

10/20/2013 1:17 AM

I don't comment frequently

10/19/2013 11:55 PM

I sometimes post about friends but usually just observe what others do...

10/19/2013 10:01 PM

I try to watch "wall litter". Not everyone wants to know when I level up on a game.

10/19/2013 8:05 PM

sometimes

10/19/2013 7:41 PM

I post anything that is informative, educational, joyful and entertaining contents that wont hurt any of my friends, in my timeline.

10/19/2013 1:30 PM

I post only selective content which I like and mostly pleasant content which will not affect anyone.

10/18/2013 11:47 PM

I never post personal info about myself

10/18/2013 6:57 PM

The posting shows that the thought about myself. So its important for me.

10/18/2013 4:34 PM

I hardly ever post anything about anyone unless it's directly related to the situation. And even then, I ask before I do.

10/18/2013 3:30 PM

It varies.. I don't try to hurt anyone's feelings but I will post a lot of news stories.

10/18/2013 7:23 AM

I don't put up anything negative about anyone

10/18/2013 2:51 AM

i dont post anything inappropriate

10/18/2013 2:43 AM

I'm OK with publicizing things about myself, but don't want to presume on others.

10/18/2013 12:58 AM

I will post about people- I just try to remember it's a public forum to some extent, and moderate accordingly.

10/17/2013 7:54 PM

Because I don't like people posting pictures of my child, I don't post pictures of theirs.

10/17/2013 6:28 PM

I don't post drama and nonsense

10/17/2013 5:57 PM

I post nothing about others

10/17/2013 3:42 PM

I respect others feelings

10/17/2013 12:56 PM

I never post - only look at other's posts

10/17/2013 7:06 AM

I only post good things about people and nothing that hurts anyone.

10/17/2013 5:21 AM

I don't like to mention anything that could be adverse to someone else. Not that I would post negative things, but the best policy is to keep ones business to themselves.

10/17/2013 5:16 AM

Do not post anything negative.

10/17/2013 5:11 AM

I do not post. I only talk to people in offline

10/17/2013 3:00 AM

While I post frequently (generally a close group of people), I make sure to keep it light-hearted and don't post anything that private or personal.

10/17/2013 2:16 AM

I care somewhat

10/17/2013 1:56 AM

i post whatever i want but i try to be nice and civilized

10/16/2013 9:44 PM

I post pictures of my family and things but not daily, mostly special occasions

10/16/2013 9:39 PM

I am careful about posting some pictures and information. I don't post anything when we go on vacation until we get back.

10/16/2013 8:51 PM

I rarely post about other people and if I do I make sure that it is ok and I usually ask them beforehand.

10/16/2013 8:26 PM

I don't really use Facebook and don't like the idea of my friendship being monetized

10/16/2013 8:20 PM

I barely post

10/16/2013 8:17 PM

I do it on a case by case basis

10/16/2013 8:03 PM

I rarely post or share anything.

10/16/2013 8:02 PM

I usually leave stuff that others post about me but rarely tag/mention others

10/16/2013 8:00 PM

I hardly post at all anymore

10/16/2013 7:52 PM

I don't post about other people at all, typically. I will tag them if I want them to read something

10/16/2013 7:52 PM

I use a lot of discretion on facebook.

10/16/2013 7:42 PM

I only post certain things because I don't want people to have anything to use against me

10/16/2013 7:41 PM

It's up to them to decide what information is released on their timeline. I would never post anything that would make them look bad, though.

10/16/2013 7:38 PM

I care about not posting things that could offend anyone.

10/16/2013 7:30 PM

I think pretty hard about what I want to post and whether or not the other person would feel comfortable. However, I do make posts.

10/16/2013 7:30 PM

I don't post for other people

10/16/2013 7:29 PM

i dont like to post about other people

10/16/2013 7:29 PM

I post what I feel will be funny.

10/16/2013 7:23 PM

The things posted about others are mainly family photos and comments and my family don't mind those posts.

10/16/2013 7:04 PM

I post selective things only which does not intrude into ones privacy and which does not hurt or offend others.

10/16/2013 6:08 PM

I rarely post things

10/16/2013 5:42 PM

I don't post about other people on my facebook page.

10/16/2013 5:27 PM

I am very picky about what I post and usually only post pictures of family and am careful to make sure they are appropriate.

10/16/2013 5:16 PM

I never post anything about anyone.

10/16/2013 5:04 PM

i post some stuff, not much

10/16/2013 4:34 PM

I only share stuff on my friends wall content I know they will enjoy.

10/16/2013 4:33 PM

i don't do this as a rule

10/16/2013 4:25 PM

I am very careful as to what I post mostly because of my grandchildren I don't want strangers to see things about them or pictures of them.

10/16/2013 4:22 PM

I do not posted anything about anyone but myself. It is my page and it is about me, not others.

10/16/2013 4:21 PM

I rarely ever post anything about others, except for maybe my kids and that's so family can stay updated on them

10/16/2013 4:16 PM

I just don't. Not in my nature I guess.

10/16/2013 4:14 PM

I try not to share others business

10/16/2013 4:05 PM

I am careful about what I post of anyone else, I don't want to intrude anyone's privacy.

10/16/2013 4:04 PM

I try to make upbeat posts that aren't too personal. I don't want to embarrass anyone.

10/16/2013 4:03 PM

I often take into account others feelings in to consideration, before posting a comment of a picture about them. I don't want to offend someone or hurt their feelings with my post, however I don't pay much attention when it comes to "close' friends.

10/16/2013 3:48 PM

I never post stuff about others

10/16/2013 3:38 PM

I don't post anything offensive about others.

10/16/2013 3:35 PM

Seldom post comments about others, don't post ugly pictures of friends

10/16/2013 3:28 PM

I make sure that anything I post is something that the other person would be happy to see and have seen by anyone.

10/16/2013 3:21 PM

I want my friends to be respectful of my privacy so I am respectful of theirs. I would not want to infringe on their privacy by posting about them.

10/16/2013 3:12 PM

I respect my friends' privacy.

10/16/2013 3:02 PM

Usually do not post much of anything, other than few links and comments on friends walls

10/16/2013 2:59 PM

I would never post about anyone in particular. That's their business to post, not mine.

10/16/2013 2:53 PM

i am careful about some of the things that get posted mainly for job reasons.

10/16/2013 2:44 PM

I tend to only post things(comments, pics, articles) for me and those that are on my friends list(family).
10/16/2013 2:42 PM

My FB is a free page on fun, anything goes!
10/16/2013 2:20 PM

I take others feelings into account when posting.
10/16/2013 2:16 PM

Facebook has the legal rights to any pictures you post on their website, I try to limit how much I give to the corporation
10/16/2013 2:03 PM

I usually do not post anything about anyone I do not want hurt feelings
10/16/2013 2:02 PM

I never post
10/16/2013 1:07 PM

**Q23 Is it important to you that the content
of your profile is only visible to your
facebook friends? Please explain.**

Answered: 250 Skipped: 0

Yes, I don't want others/ strangers to see my personal pictures or comments. I want to know who sees my personal stuff.

11/7/2013 6:31 PM

Yes. I somewhat want to have control over who views my pictures and reads my updates.

11/7/2013 3:59 PM

Yes, because I then have allowed them to

11/7/2013 3:58 PM

ja

11/7/2013 3:46 PM

People I don't know have no reason to see all my stuff.

11/7/2013 3:36 PM

yes

11/6/2013 12:35 PM

no

11/6/2013 11:25 AM

yes that is important mainly because of spammers

11/6/2013 3:33 AM

Yes. There are a few people from my past that I do not want to see anything about me.

11/5/2013 9:03 PM

Yes. I must be exposed only to the people whom I know. Otherwise, it would deliver me a lot of trouble.

11/5/2013 12:39 PM

Yes. I cannot show it to anyone who are not my friends yet.

11/5/2013 5:37 AM

yes, so no one else knows what you are saying

11/4/2013 10:52 PM

Yes, there are crazy people out there that can get a lot of personal information from facebook

11/4/2013 10:01 PM

Not too important but I like it being only friends.

11/4/2013 8:54 PM

Yes, because I post a lot about my feelings and emotions, and some of it I don't wish to share with strangers.

11/3/2013 9:23 PM

Yes - I don't want just anyone to find out personal info about me.

11/3/2013 9:13 PM

I do not want my page public because I do not want people I do not know to have access to my photos and information.

11/3/2013 6:58 PM

Yes I do not want strangers knowing my personal information.

11/3/2013 6:28 PM

Yes. I'd rather not have random strangers able to find out personal info, and see all the pictures I post, etc. They have no need to and it could lead to targeted crime if someone say, announces they go on vacation and a crook knows where they live.

11/2/2013 8:40 PM

No Anyone can read the content because I don't have anything sensitive on my profile.

11/2/2013 8:01 PM

Yes, I do not want my info public.

11/2/2013 4:15 PM

yes, i want my privacy

11/1/2013 1:17 PM

Yes. I do not want people who I do not know see and access my profile.

11/1/2013 8:48 AM

Yes. I don't want "everyone" to see what I post.

11/1/2013 12:04 AM

Yes. I've had stalkers in the past.

10/31/2013 10:53 PM

Yes, I don't want the whole world to be able to see my profile, only people I know.

10/31/2013 2:42 PM

Sort of. I wouldn't want just any weirdo looking at my profile.

10/31/2013 9:03 AM

Yes because I do not like people I don't know adding me or messaging me.

10/31/2013 4:47 AM

I don't want people I don't know to be able to view my profile.

10/30/2013 10:30 PM

No, not really. I'm not posting anything that I wouldn't want a stranger to see.

10/30/2013 10:08 PM

A little bit but not that much, its there for anyone I approve to see.

10/30/2013 6:27 PM

Yes, I do not want just anyone to know a lot of things about me. It is a safety issue.

10/30/2013 5:39 PM

I don't want people getting my information.

10/30/2013 5:00 PM

No, whatever. I don't care anymore.

10/30/2013 8:55 AM

no, if someone thinks my life is important enough to check out then I am ok with that.

10/30/2013 7:39 AM

because it is private data

10/30/2013 3:55 AM

I dont care to show strangers my children

10/30/2013 3:02 AM

Yes. I do not want anyone to be able to see pictures of me or any of my personal information if I do not know them. I know it's a slim chance that anything will happen, but some people will use things like that for criminal purposes. I don't want to be the girl on "Catfish" whose picture got used for a scam.

10/30/2013 2:49 AM

yes

10/29/2013 6:24 PM

Yes, I don't want my personal business to be exposed to everyone on the internet, so I limit it to friends only.

10/29/2013 5:14 PM

No. It makes no difference to me who can see my profile.

10/29/2013 5:13 PM

no. there is nothing revealing about my posts.

10/29/2013 3:59 PM

Yes, I do not need strangers looking at my stuff.

10/29/2013 3:14 PM

Yes it is important, because I do have some people that I may not want them to know what I'm up to. Like ex boyfriends.

10/29/2013 3:06 PM

yes, i value privacy.

10/29/2013 2:53 PM

Yes, I don't want friends of friends to see conversation about us. I don't want to make more friends with others.

10/29/2013 2:41 PM

yes, because I dont want the whole world to see what I do

10/29/2013 2:41 PM

Yes. I don't want strangers knowing about my life or my family's life.

10/29/2013 2:39 PM

I let my friends of friends see some things, that way if they think they know me they can look at my pictures and see. I'm not overly concerned about who can look at my profile.

10/29/2013 2:29 PM

No I do not care who sees it.

10/29/2013 2:20 PM

no i have nothing to hide

10/29/2013 2:04 PM

I don't mind the basic being shown publicly but not my whole page or private info such as address, email, or phone #s

10/29/2013 1:41 PM

Yes. I don't want strangers seeing my profile.

10/29/2013 1:04 PM

Not really. I don't use it often enough to warrant it, I kinda see FB as a way for people to look me up if they need to, so I intend it to be public.

10/29/2013 6:15 AM

yes. no further elaboration

10/29/2013 1:13 AM

Yes. They are people I don't mind seeing the info. Making it 100% public makes it that much easier for bad things to happen

10/29/2013 12:38 AM

Yes

10/28/2013 8:58 PM

Yes

10/28/2013 7:09 PM

No, anyone can view what I post

10/28/2013 4:30 PM

It is important to me that my content be only available to friends because I do not want some content to be viewed by people such as family members and more importantly, job prospects and future employers.

10/28/2013 4:26 PM

Yes. I don't want people I don't know to see my profile for stalking purposes or job purposes.

10/28/2013 2:09 PM

It can be public and I won't care who reads or looks at it. I use facebook to communicate with others so anything I post if pretty much nothing.

10/27/2013 10:50 PM

Need to know-basis

10/27/2013 12:05 PM

5 - because they are the only ones that I care to share with

10/27/2013 7:51 AM

yes there are other people I don't want to see pics of my kids.family

10/27/2013 6:18 AM

Yes, because if I wanted the whole world to access it I would put it public.

10/27/2013 2:35 AM

no because I want prospective friends to be able to see

10/27/2013 2:19 AM

yes - to anyone else it is just gossip

10/27/2013 2:15 AM

Yes, I don't want people finding me and spying on me. I am very careful with that.

10/27/2013 2:02 AM

Not too much because I just don't put anything too private on Facebook.

10/27/2013 2:50 AM

It is not that important that only my friends can see my content. But as of right now I have it set to only my friends can see it.

10/27/2013 2:47 AM

It is important to me that most of it is, like my posts and pictures. I'm pretty private as it is, but I don't completely lock down unless I have had issues with someone then I might make it more private.

10/27/2013 2:23 AM

Yes because there are creepy people everywhere.

10/26/2013 10:52 PM

Nei, publiserer ikke ting som ikke kunne stått i avisa.

10/26/2013 2:52 PM

no because I never put private things on there

10/26/2013 4:39 AM

Yes. People are crazy. Better safe than sorry.

10/26/2013 1:19 AM

it is

10/25/2013 4:19 PM

I have the attitude of everything you post to facebook is information that you should be able to tell anyone, without any concerns.

10/25/2013 2:48 PM

Yes, those I don't know should not be able to snoop around without me knowing it.

10/25/2013 2:35 PM

Se elaboration on question 21.

10/25/2013 2:14 PM

To a certain extent. If there were no possibility to make my profile private I'd probably use FB as I do today. However, since the option is there I have blocked off anyone but friends.

10/25/2013 2:10 PM

no

10/25/2013 2:09 PM

yes

10/25/2013 2:02 PM

Yes

10/25/2013 1:59 PM

10/25/2013 1:51 PM

yes

10/25/2013 1:43 PM

yes

10/25/2013 1:28 PM

Yes, I want to have control over who can see my profile

10/25/2013 1:13 PM

yes, or friends of friends.

10/25/2013 1:13 PM

Friends of friends should be ok. That might include some risk, but hey - it's the internet..

10/25/2013 12:58 PM

I don't want a public life

10/25/2013 12:18 PM

My profile is public with public information chosen by me. I manage the visibility of my timeline by the privacy settings.

10/25/2013 10:26 AM

Yes, Internet is like an open road. lot of people come and go. Why anybody wants to show his personal things to the public

10/25/2013 5:00 AM

It is important for me that my profile is only visible to my friends. I like controlling my image, and if anyone can just look at my wall, they don't get to see me in a controlled manner. I have no control over how much I introduce to them.

10/25/2013 4:50 AM

It is important to me that friends only can see my profile because I want to maintain my privacy and my friends on Facebook are usually friends (or at least acquaintances) in real life.

10/25/2013 4:23 AM

No, I want people to be able to find me on Facebook

10/25/2013 4:11 AM

Yes

10/25/2013 12:44 AM

yes

10/24/2013 11:59 PM

People I'm not friends with do not need to see my page.

10/24/2013 11:02 PM

Yes, what I share is intended for my friends. However, I avoid posting anything that could be considered inappropriate anyway.

10/24/2013 9:35 PM

yes, facebook shoud mirror real life, its not a public gallery

10/24/2013 5:00 PM

Yes. I want to keep control of who has access to the information on my profile, and I don't see any reason why strangers should be able to see my profile.

10/24/2013 4:55 PM

Jepp

10/24/2013 4:49 PM

Yes.

10/24/2013 4:43 PM

because I dont want evryone to see what Im doing/my picutres

10/24/2013 4:26 PM

Yes, this is very important, I don't want the public to see anything else than basic information.

10/24/2013 4:12 PM

yes, then I don't have to think about what's on my profile.

10/24/2013 3:23 PM

yes. Because of old pictures when I was younger

10/24/2013 3:14 PM

Yes.

10/24/2013 3:03 PM

Yes, to e certain extent, as I mainly use facebook to ceep in touch with friends, thus I do not want anything published that is public that later affects my future negatively.

10/24/2013 2:51 PM

yes

10/24/2013 2:21 PM

Yes, I do like some privacy

10/24/2013 2:19 PM

Yes. Because it's private for me. Not anything that I'm ashamed, but I don't like the idea of people snooking around and knowing everything about my dailylife.

10/24/2013 2:03 PM

Yes. I would like to avoid unwanted/uninvited people to see my posts and photos.

10/24/2013 1:44 PM

No, not that important. As I said I feel like what I do in life should be things that I can be proud of and then it won't be a problem for me to have it on my facebook profile either.

10/24/2013 1:39 PM

*

10/24/2013 1:37 PM

yes, I don't want personal stuff such as my phone number to be visible for unknown people
10/24/2013 1:14 PM

Yes, that is quite important

10/24/2013 1:09 PM

yes, i don't want everyone to be able to see what i am doing
10/24/2013 1:08 PM

Yes, I don't want that people I don't know can see things on my profile.

10/24/2013 12:55 PM

Yes, because of security

10/24/2013 12:41 PM

Yes. Generally don't want randoms/strangers to have access to the data.

10/24/2013 12:34 PM

-

10/24/2013 11:12 AM

Yes, because it is personal, but one must be aware that someone else may see it as well
10/23/2013 8:11 PM

Very, I don't like the idea of other people being able to steal my photos for whatever reason.
10/23/2013 7:45 PM

Ja, ellers kan hvem som helst stalke meg :)

10/23/2013 1:16 PM

It's not that important. I don't really post anything that might be uncomfortable if some one other than my friends see it.

10/23/2013 12:15 PM

no

10/23/2013 11:42 AM

Yes, I'd only like my friends to see what I am doing, not strangers.

10/23/2013 1:58 AM

Yes, so I know who can see stuff.

10/22/2013 8:33 PM

Yes. I feel that I'm pretty private overall. I like only my friends to see what I post.

10/22/2013 8:08 PM

No, I don't care too much.

10/22/2013 7:59 PM

Sånn passemasse.

10/22/2013 7:51 PM

Yes

10/22/2013 5:54 PM

Then they know the real facts about me when they look at my profile.

10/22/2013 5:12 PM

I don't want to live a public life

10/22/2013 5:08 PM

Yes. I would not want just anyone to find me or information related to me.

10/22/2013 4:32 PM

Ja, da har man litt bedre kontroll ihvertfall

10/22/2013 3:03 PM

Yes.

10/22/2013 12:42 PM

Yes, because once things are public it becomes way too uncontrollable. I would find it uncomfortable that just anybody could look through my pictures, pictures of me, and similar.

10/22/2013 12:38 PM

yes

10/22/2013 12:35 PM

Yes

10/22/2013 12:32 PM

yes

10/22/2013 12:27 PM

Yes

10/22/2013 12:27 PM

Yes. However, I think its fine that other people can look me up and see name and profile pictures (Fex if people want to find old friends on facebook)

10/22/2013 12:14 PM

Yes, I like pepole to get to know me the old way

10/22/2013 11:57 AM

Very important! I don't want any information about me to be public for just anybody. I also have restrictions on the friends I no longer know that well, what they can see etc

10/22/2013 11:56 AM

Sort of, it prevents crawlers to generate a profile on me to use for social engineer attacks etc.

10/22/2013 11:34 AM

It's the value of using facebook

10/22/2013 11:32 AM

I dont want to make it available to other people than my friends...

10/22/2013 11:30 AM

yes. I don't want my poststo be available to anyone

10/22/2013 11:29 AM

Yes, because I don't want stranger "spying" on me

10/21/2013 10:08 PM

yes. I don't want random people looking at my profile.

10/21/2013 8:54 PM

We;;, not super important, but I feel that it should only matter to them.

10/21/2013 8:44 PM

I think that friends of of friends should be able to see my profile because sometimes they are friends of mine that I forget about or are prospective friends. Anything beyond that I deem unacceptable.

10/21/2013 8:23 PM

Yes. I don't want strangers to know anything about me.

10/21/2013 8:09 PM

Yes, because I like to know who is looking at my information. If I have it set to only friends, I know the group of people who see my stuff - not just random browsing people.

10/21/2013 5:19 PM

Yes it is important to me because I would like to keep my life private to my friends and not strangers.

10/21/2013 3:26 PM

Yes, I don't want just everyone in the world reading my posts

10/21/2013 3:25 PM

No, because I don't post anything private.

10/21/2013 2:34 PM

yes because I don't really want the world to know what is going on with me. I don't usually post anyway

10/21/2013 11:47 AM

No, Any one can see, I dont think about it too much.

10/21/2013 8:30 AM

yes, I don't want everyone in the world, especially people I don't know, knowing about my life

10/21/2013 5:42 AM

Yes, it's no one else's business

10/21/2013 1:59 AM

its important because i dont want any strangers to get know about me and my whereabouts

10/20/2013 11:22 PM

yes - you can't be too careful

10/20/2013 2:49 PM

Not really, I don't have many sensitive items on there.

10/20/2013 1:17 AM

Yes, I don't want strangers to see it

10/19/2013 11:55 PM

you never know what people might do with your info... I've met many nut jobs and know that facebook is open to everyone I'm pretty sure that there are loads of stalkers out there...

10/19/2013 10:01 PM

I don't actually worry about much of that, I'm pretty open.

10/19/2013 8:05 PM

yes. it's somewhat important to me.

10/19/2013 7:41 PM

No, I don't add private messages or comments so that it should be hidden from others even if it is a visitor and not a friend.

10/19/2013 1:30 PM

No Every one should see my content is important to me.

10/18/2013 11:47 PM

yes, very important. i don't want old boyfriends, or enemies, or my ex husband's lawyer or wife snooping in and being able to see everything I post. I don't want to be looked up on the internet. I just want my friends to see the content.

10/18/2013 11:09 PM

Yes, because you do not want a stranger to do anything hateful or misleading to others on your page.

10/18/2013 9:23 PM

no, i don't post personal info, so it makes no difference either way to me
10/18/2013 6:57 PM

Yes. Because Its says about me.
10/18/2013 4:34 PM

Yes. There are some people I don't want seeing my profile. Only people I allow can see it.
10/18/2013 3:30 PM

Yes.. I have an anxiety disorder, get nervous easily and don't want my info in the wrong hands plus we are avoiding some people and hiding from them.
10/18/2013 7:23 AM

I'm a private person
10/18/2013 2:51 AM

yes, I only care about them seeing stuff
10/18/2013 2:43 AM

Somewhat. I don't want the whole wide world to see everything about me.
10/18/2013 12:58 AM

Not really- I don't have anything there that could compromise anything for me.
10/17/2013 7:54 PM

Yes,a s said before my estranged mother in law uses content on Facebook to hurt or insult my family.
10/17/2013 6:28 PM

No I do keep it so that is all that is seen
10/17/2013 5:57 PM

Yes, I don't want anyone else seeing photos, posts, etc.
10/17/2013 3:42 PM

Yes, I do not like others to spy on my profile.
10/17/2013 12:56 PM

Yes, I don't want people to beable to search for me.
10/17/2013 7:06 AM

Yes, because people who are strangers doesnot have anything to do with me.
10/17/2013 5:21 AM

I just don't need to feel my privacy might be invaded.
10/17/2013 5:16 AM

no
10/17/2013 5:11 AM

Yes I only want my friends to see things if Iwere to post things. not the general public
10/17/2013 3:00 AM

Yes. I have no desire for strangers to see private information about me. It's voyeuristic and plain creepy.
10/17/2013 2:16 AM

I want some privacy and don't want anyone to be able to see my profile
10/17/2013 1:56 AM

yes, i just like to keep things simple
10/16/2013 10:41 PM

not really...if others want to look i'm ok with that so far
10/16/2013 9:44 PM

Yes., I don't want any strangers seeing my information or pictures
10/16/2013 9:39 PM

Yes, I have a lot of people (in-laws, especially) that I don't want to see my information or what I'm doing.
10/16/2013 8:51 PM

Yes, I dont want anyone to be able to use my info for other things especially companies.
10/16/2013 8:26 PM

Yes, I do not want strangers and brands prying into my life
10/16/2013 8:20 PM

Not really important, but it is a choice
10/16/2013 8:17 PM

Yes for privacy reasons
10/16/2013 8:03 PM

Pretty much, although I am careful that I share no personal information or sensitive information with those who I do not know. There is a chat and message function for that.
10/16/2013 8:02 PM

I think it is best that just friends see profiles not the entire public internet
10/16/2013 8:00 PM

yes, i don't want people i just met or don't know well looking me up
10/16/2013 7:52 PM

Yes. Too much data out there for anybody to have.
10/16/2013 7:52 PM

Yes. I want my email address private except for friends. I am careful about who I friend.
10/16/2013 7:42 PM

Yes because I don't trust people I don't know
10/16/2013 7:41 PM

Yes. I know these people, and that's why I've restricted my content to friends only.
10/16/2013 7:38 PM

Yes it is. It's because I post things (pictures, comments, etc) about my child. I don't want people I don't know to view my child's pictures.
10/16/2013 7:30 PM

Yes. I have no interest in sharing my facebook profile to the world. The content on there is just for my friends.
10/16/2013 7:30 PM

Not that important
10/16/2013 7:29 PM

i like to be private
10/16/2013 7:29 PM

Yes. I like privacy and only sharing myself with my friends.
10/16/2013 7:23 PM

yes i will restrict
10/16/2013 7:15 PM

It is not important at the moment, but I see in the near future that that will change.
10/16/2013 7:04 PM

Yes. I feel that one has to be very cautious in his approach to make his profile public.
10/16/2013 6:08 PM

Yes, I don't want just anyone to be able to see my profile
10/16/2013 5:42 PM

Yes, because I don't think everyone in the world needs to see my personal stuff.
10/16/2013 5:27 PM

Yes, I do not want others copying my pictures or using them in any other fashion.
10/16/2013 5:16 PM

Yes. I want to have more control over which parts of my profile content are public and which are friends-only.
10/16/2013 5:04 PM

not really
10/16/2013 4:34 PM

It is very important that information in my profile remains visible to friends only. I dont want anyone who isnt my friend to access the information in my profile.
10/16/2013 4:33 PM

yes, i like to keep it simple and safe
10/16/2013 4:25 PM

Yes you never know what kind of people might be looking at your stuff online and its mostly a safety issue with children.
10/16/2013 4:22 PM

I do not want people that I do not know seeing my page because of privacy concerns and I do not like the feeling of being exposed to strangers.
10/16/2013 4:21 PM

yes, because most of my posts are about my kids and most of my friends on facebook are close friends and family.
10/16/2013 4:16 PM

No. I have a facebook account so people can look up my stuff.
10/16/2013 4:14 PM

yes, they are generally family and can see pics of my other family
10/16/2013 4:05 PM

Yes, I+d like for my profile to be visible only to my friend. I don't have to hide anything from my friends, but also I don't have any reason to open my private life to complete strangers.
10/16/2013 4:04 PM

Yes. As I mentioned before, I've been stalked. I've also been a victim/witness to corporate/government wrongdoing and I know how the perpetrators can distort and misrepresent information.
10/16/2013 4:03 PM

No, it is not important, because I have not divulged too much of information about myself in my Facebook profile.
10/16/2013 3:48 PM

yes--now you have scared me. I am alone and afraid
10/16/2013 3:38 PM

Yes, at least parts of it. I'd like my friends to see what I've been up to.
10/16/2013 3:35 PM

yes I don't want people I don't know accessing my account and viewing my kids.
10/16/2013 3:30 PM

A little.
10/16/2013 3:28 PM

I have my account set so taht only friends see my posts but I am not stupid - the internet is a public place so I never post anything on facebook that i would be ashamed of if it was live to the world.

10/16/2013 3:21 PM

I only want my Facebook profile visible to friends because I only use Facebook to stay in contact with people I already know, not to make new friends or allow people to stalk my profile.

10/16/2013 3:12 PM

Yes, but I can't really say why.

10/16/2013 3:02 PM

Not really. As I dont post messages usually nor pics

10/16/2013 2:59 PM

No, I've nothing there to hide, and it's good if someone else is looking to contact me.

10/16/2013 2:53 PM

yes it is for friends only- I do not mix work with friends at all.

10/16/2013 2:44 PM

Yes, I do not want to share all of my info with strangers.

10/16/2013 2:42 PM

I allow friends of friends due to an ex wife and issues there...

10/16/2013 2:20 PM

Yes, I do not care to share my life or musings with anyone I am not friends with.

10/16/2013 2:16 PM

I feel that I am there for friends and family, and if I wanted to talk with anybody else, they would already be a friend on Facebook

10/16/2013 2:16 PM

I don't even have Facebook friends. I got rid of the profile that had my real name and now use a fictitious name just to play Facebook Scrabble.

10/16/2013 2:06 PM

I don't want spammers harassing me based on my profile

10/16/2013 2:03 PM

yes I do not want strangers to be able to see my daughter

10/16/2013 2:02 PM

no, it isn't the "real" me

10/16/2013 1:07 PM

Interdependent Privacy on Facebook

Q24 Do you have an idea about what interdependent privacy can mean with regard to Facebook? If so, please try to describe it below. Please do NOT use Google or any other search engine to find the answer. If you don't know the answer, just leave the field blank.

Answered: 65 Skipped: 185

I'm not sure, but I assume that it means that you can independently decide the privacy settings for every content.
11/7/2013 4:00 PM

That facebook can use the info in some cases
11/7/2013 3:59 PM

no
11/6/2013 12:35 PM

no idea
11/6/2013 3:33 AM

No
11/4/2013 10:52 PM

Interdependent privacy means relying on everyone to keep each others information secure.
11/3/2013 7:00 PM

It means letting individuals have the say in what others can say or see on their Facebook timeline.
10/30/2013 10:09 PM

No
10/30/2013 5:00 PM

no idea
10/30/2013 7:40 AM

yes it means hiding bad nature from parents friend etc
10/29/2013 6:28 PM

My privacy can be affected by those I share with. Just because I make something private does not mean that my friends won't pass it along, making it no longer private.
10/29/2013 5:15 PM

I think it means that my privacy in some respect is dependent on what others do.
10/29/2013 2:40 PM

mutual privacy between two or more parties
10/29/2013 1:14 AM

It is how your privacy is affected by the actions of others, such as Facebook friends.
10/26/2013 1:21 AM

Not sure, but I guess it has something to do with you being able to selectively choose what you want who to see.
10/25/2013 2:11 PM

I have no control over what info my friends share about me
10/25/2013 2:02 PM

10/25/2013 1:51 PM

Haven't thought of it. My privacy setting isn't dependant upon my friends' privacy settings?

10/25/2013 12:59 PM

I have no idea about that

10/25/2013 10:27 AM

In fact, I have no idea

10/25/2013 5:01 AM

Basically your facebook privacy is only as good as how private you are. Even if you put your facebook on lock down, if you spill everything on it, people can see that potentially embarrassing event. On the other hand, if you actively force people to not upload those photos, or have them removed by facebook, you are maintaining that high level of privacy.

10/25/2013 4:51 AM

My privacy is governed by the privacy settings of my friends. If they keep information about me open it does not matter what I do.

10/24/2013 9:36 PM

The term per se could mean a lot. A few suggestions are: "Privacy dependent on the interaction between users" or "Privacy dependent on associated services".

10/24/2013 4:58 PM

Jepp, bur I dont want to spend time on typing here

10/24/2013 4:50 PM

I think it means that what is shown is sometimes dependent on what other people's privacy settings are, e.g. if they tag me in a picture.

10/24/2013 4:14 PM

uh, maybe that other peoples privacy settings affect what's shared about me?

10/24/2013 3:24 PM

No

10/24/2013 3:04 PM

Nope. I will for sure google it now.

10/24/2013 2:03 PM

I believe it means you have responsibility for your own privacy on Facebook. For instance you are responsible for checking your own privacy settings so that your profile is as private as you wish it to be

10/24/2013 1:16 PM

Beeing aware of how to mange privacy setting on Facebook, also the default privacy

10/24/2013 12:56 PM

10/24/2013 11:12 AM

I have no idea on this matter.

10/23/2013 12:15 PM

I'm sure that big brother looks over my shoulder, so i am careful with which i publish

10/22/2013 5:09 PM

That your privacy is dependent on other people's privacy settings.

10/22/2013 12:48 PM

don't know

10/22/2013 12:27 PM

What others can do to your privacy if you "let them"?

10/22/2013 11:58 AM

I can re everything before it's being published to the world.

10/22/2013 11:32 AM

no

10/21/2013 10:08 PM

Privacy that is interdependent between friends?

10/21/2013 8:25 PM

I think it's when my picture is visible to only friends but then a friend of mine reshares it, so I have to rely on that friend to keep my stuff private too.

10/21/2013 5:20 PM

The settings which let people share each others data with world.

10/21/2013 8:34 AM

I guess it means how much you disclose about yourself while trying to maintain both your privacy but also keep in touch with others somehow...

10/19/2013 10:02 PM

I would image it relates to one person's privacy being compromised or supported by another user's privacy settings.

10/19/2013 8:06 PM

I think the idea is about keeping the privacy balanced at both ends, i.e., when I reveal something private of another user, he will be able to access my privacy area also.

10/19/2013 1:33 PM

No

10/18/2013 4:36 PM

My privacy depends on others

10/18/2013 2:52 AM

I think that means like when we use other sites to post things on Facebook, like when I buy something somewhere I might have the option to post what I bought.

10/18/2013 12:59 AM

No

10/17/2013 5:57 PM

It can reveal the relation between the user and his friends.

10/17/2013 5:22 AM

I think it is symbiotic relations that can occur among users, friends etc... that effects controlling privacy.

10/17/2013 5:18 AM

i think it means that whats shared with facebook friends will stay between them unless they want it made public

10/16/2013 9:46 PM

No

10/16/2013 8:17 PM

I would say it means it depends on what others would post or say about you, or give out your private things.

10/16/2013 8:04 PM

No

10/16/2013 8:03 PM

no

10/16/2013 7:29 PM

no i don't know

10/16/2013 7:15 PM

It's something about where someone else saying something (like Bob saying "Bob is at the restaurant with Mike") can reveal information about another person (in this case, that Mike is at the restaurant).

10/16/2013 5:05 PM

I think they are talking about a way that people would be able to manage their privacy while on facebook by an app that isn't a facebook app. What I am trying to say is I would be able to keep my privacy that other people might be saying or posting about me. Not really sure it was sort of hard to understand.

10/16/2013 4:27 PM

I think it means that people you allow to see things can also allow others to see it if they chose to, with or without your permission but I am not sure about this.

10/16/2013 4:22 PM

I have no idea what interdependent privacy means. It almost does not make sense to put those two words together. If you have privacy, it should not depend on another party to make it private. That defetes the whole purpose of "private".

10/16/2013 4:16 PM

That only Facebook can see my posts not other sites.

10/16/2013 3:30 PM

I think it has to do with other sites and apps allowing you to sign into or register for accounts using your facebook account. You would now have another set of privacy policies to re and how the two sites work together

10/16/2013 3:23 PM

The privacy, and level of privacy is up to the user, and not the company.

10/16/2013 2:54 PM

I believe Interdependent privacy is something that involves more than one source.

10/16/2013 2:16 PM

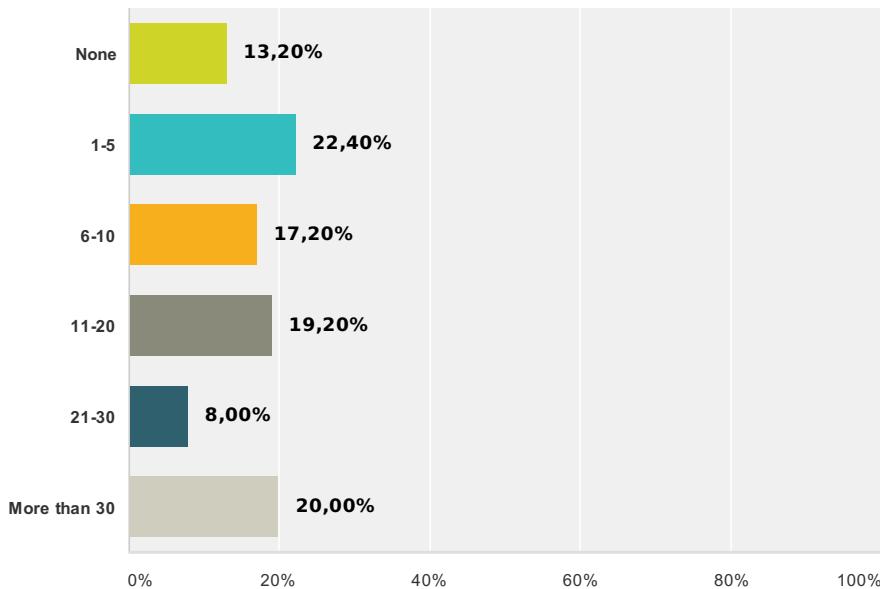
I would say there is no such thing as privacy on Facebook.

10/16/2013 2:06 PM

Interdependent Privacy on Facebook

Q25 Under the tab "Apps > Apps you use" in your Facebook settings, you can see the list of apps you use. How many apps do you use?

Besvart: 250 Hoppet över: 0

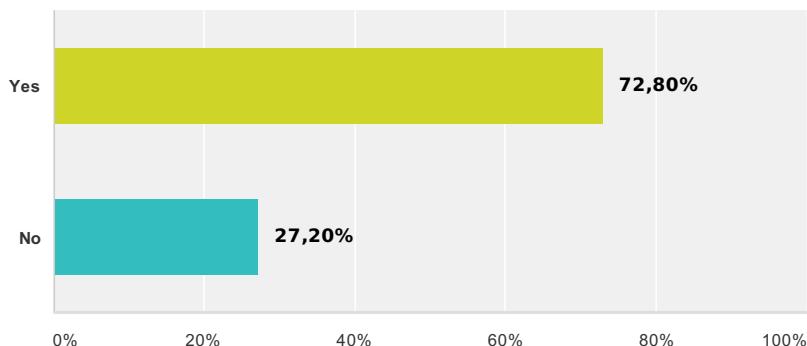


| Svarvalg | Svar | |
|---------------|--------|------------|
| None | 13,20% | 33 |
| 1-5 | 22,40% | 56 |
| 6-10 | 17,20% | 43 |
| 11-20 | 19,20% | 48 |
| 21-30 | 8% | 20 |
| More than 30 | 20% | 50 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q26 Are you aware of the fact that ALL apps you install on Facebook have access to your basic information, including the list of your friends?

Besvart: 250 Hoppet över: 0

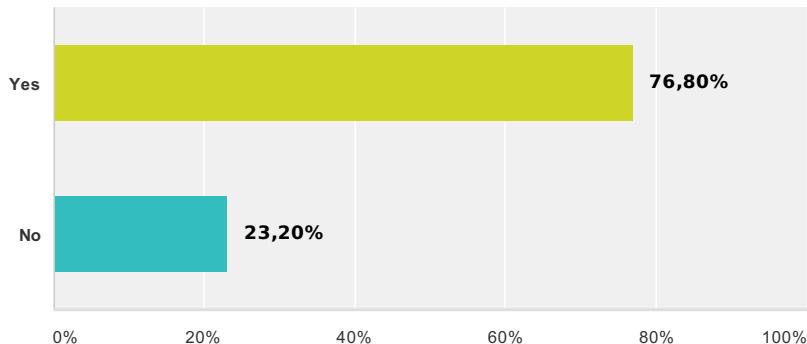


| Svarvalg | Svar | |
|---------------|--------|------------|
| Yes | 72,80% | 182 |
| No | 27,20% | 68 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q27 Did you know that A SIGNIFICANT PORTION of Facebook apps you install can post information on your behalf to your and your friends' timeline? (E.g., Spotify posts songs you have listened to.)

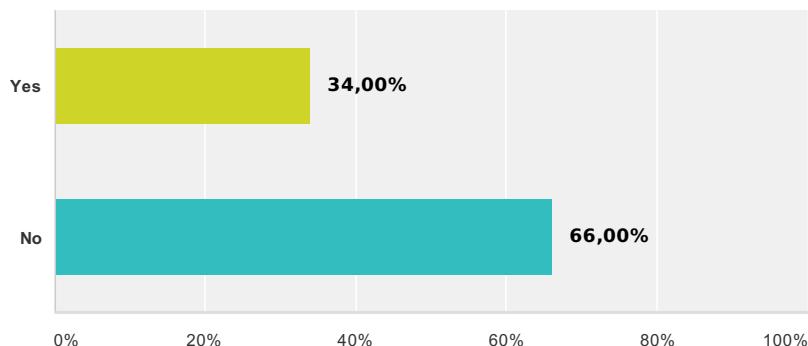
Besvart: 250 Hoppet över: 0



Interdependent Privacy on Facebook

Q28 Did you know that SOME Facebook apps you install have access to your friends' private information, such as religious view, interests or relationships?

Besvart: 250 Hoppet över: 0

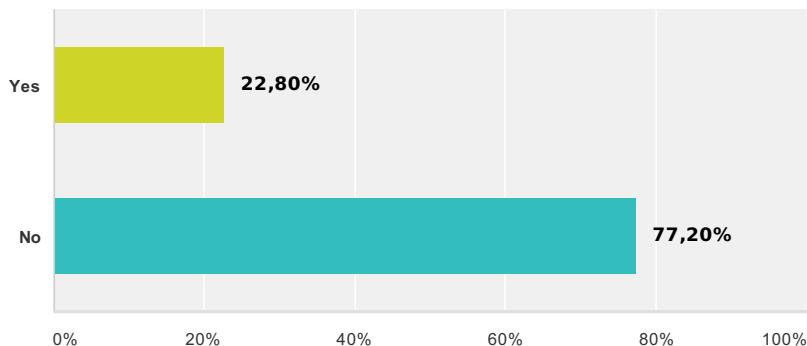


| Svarvalg | Svar | |
|---------------|------|------------|
| Yes | 34% | 85 |
| No | 66% | 165 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q29 Did you know that SOME Facebook apps you install have access to relational information, such as private chat messages and joint events between you and your friends?

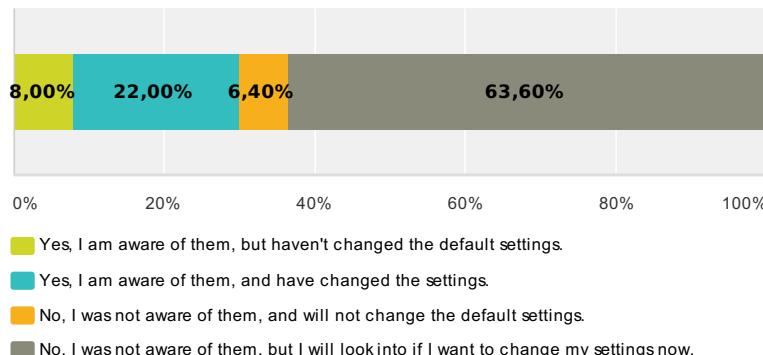
Besvart: 250 Hoppet över: 0



Interdependent Privacy on Facebook

Q30 In order to avoid that apps used by your friends can access your personal information, you can edit the settings under the tab "Apps > Apps others use" in your Facebook settings. Have you been aware of these settings?

Besvart: 250 Hoppet över: 0



| Svarvalg | Svar | |
|--|--------|------------|
| Yes, I am aware of them, but haven't changed the default settings. | 8% | 20 |
| Yes, I am aware of them, and have changed the settings. | 22% | 55 |
| No, I was not aware of them, and will not change the default settings. | 6,40% | 16 |
| No, I was not aware of them, but I will look into if I want to change my settings now. | 63,60% | 159 |
| Totalt | | 250 |

Q31 After answering the last few questions about privacy issues regarding Facebook apps, do you have an idea about what interdependent privacy means with regard to Facebook? If so, please try to describe it below. Please do NOT use Google or any other search engine to find the answer. If you don't know the answer, just leave the field blank.

Answered: 118 Skipped: 132

same

11/7/2013 4:01 PM

no

11/6/2013 12:37 PM

no idea

11/6/2013 3:35 AM

My privacy setting depends also on other users, with the help of apps. I think this is what interdependent privacy means.

11/5/2013 12:45 PM

No

11/4/2013 10:53 PM

Interdependent privacy probably means that the more private everyone's settings are, the more we will be able to keep information to ourselves.

11/4/2013 10:04 PM

My privacy isn't only on my own profile - my friends privacy settings can affect my info.

11/3/2013 9:17 PM

Interdependent privacy means relying on friends to keep everyone's information private.

11/3/2013 7:02 PM

Maybe other apps can take information from your friends without their knowing.

11/2/2013 8:42 PM

Means people can view your stuff through apps, I think.

10/31/2013 10:54 PM

The separation of third party apps and personal information on Facebook.

10/31/2013 4:49 AM

It means that your privacy should be free from snooping from apps that your friends use.

10/30/2013 10:11 PM

Independent privacy is my privacy that I control who sees it.

10/30/2013 6:30 PM

no i don't

10/30/2013 7:41 AM

not real privacy

10/30/2013 3:04 AM

enable privacy for unknown person

10/29/2013 6:30 PM

You are not the only person in control of your privacy. If you don't use the right settings, other people can share information you think is private.

10/29/2013 5:17 PM

I believe it means how private my information is when it comes to people on my friends lists.

10/29/2013 3:08 PM

my privacy based on my friends settings.

10/29/2013 2:54 PM

I think it stops outside apps from getting into your stuff

10/29/2013 2:43 PM

As stated before, my privacy is dependent to some degree on the facebook activity of others.

10/29/2013 2:43 PM

apps having access to your friends information.

10/29/2013 2:22 PM

Privacy on Facebook depends on friends' settings.

10/29/2013 1:06 PM

It means that other people are gateways to your privacy, and by giving access to them, they can pass it on.

10/29/2013 6:17 AM

privacy in regard to yourself and a third party

10/29/2013 1:17 AM

It seems to be privacy independent from privacy settings. It appears apps can override general privacy settings

10/29/2013 12:39 AM

Privacy is dependent on the settings you customize

10/28/2013 4:32 PM

It means privacy in relation to others and access through others in order to gain my private information.

10/28/2013 4:28 PM

Who can see and take usage of my private information. May change from app to app

10/27/2013 12:07 PM

maybe that privacy on FB depends on the access level you allow to other ENTITIES including people, corporations, etc.? I don't know still.

10/27/2013 2:36 AM

Yes, it means that your own private information can be shared with your friends.

10/27/2013 2:05 AM

My friends privacy may depend on my settings and permissions I give to apps.

10/27/2013 2:53 AM

It could mean that the thing that you install yourself could gain access to your information.

10/27/2013 2:49 AM

I'm not quite sure but I think it means how much privacy you have depends on not only your own settings but also your friends settings.

10/27/2013 2:27 AM

It is how the action of other people can affect your privacy.

10/26/2013 1:23 AM

Yes. I think it means users are dependent on each other's privacy settings as Facebook has settings that reveal information about your friends to 3rd parties like apps.

10/25/2013 2:18 PM

privacy dependent on other things like friends settings, app settings
10/25/2013 1:15 PM

I think I was quite close?
10/25/2013 1:04 PM

No, still don't have a clear idea
10/25/2013 10:28 AM

Basically your privacy is based upon what you do. Certain things can bypass your privacy, and get ahold of private information without your consent, even with high facebook security settings.
10/25/2013 4:52 AM

I think it means privacy even from settings or apps you don't change yourself?
10/25/2013 4:24 AM

That different apps and websites have access to my private settings
10/25/2013 4:13 AM

See previous answer to question.
10/24/2013 9:39 PM

Jepp
10/24/2013 5:02 PM

my privacy being invaded because of others bad choices
10/24/2013 5:02 PM

See previous answer.
10/24/2013 5:00 PM

Sometimes things are made public about me because of apps etc that my friends have installed.
10/24/2013 4:16 PM

the same as in previous question about this
10/24/2013 3:27 PM

What apps I don't use can see on my profile.
10/24/2013 3:09 PM

That it's obv. not only facebook who can access my privacy settings, that this so called privacy is interdependent and I am in charge of setting those settings myself if I don't want it to be that interdependent.
10/24/2013 2:06 PM

*

10/24/2013 1:51 PM

privacy settings that people can customize inside facebook.
10/24/2013 1:46 PM

That your privacy is dependent upon other peoples settings
10/24/2013 1:45 PM

Beeing aware of managing the privacy and know what people can see if you don't do anything about it
10/24/2013 12:58 PM

I presume it has to do with the privacy of the information that you have access to about your friends
10/24/2013 12:37 PM

Something about taking information from someone else's profile to get information. I explained that horribly.
10/23/2013 7:50 PM

I can't really say what that means exactly.

10/23/2013 12:17 PM

I believe it has to do with apps having access to your personal information and your friend's personal information.

10/22/2013 8:09 PM

At det lissom ikke er nok at du årner dine privacy-settings, alle andre løker du kjenner må også årne sine.

10/22/2013 7:55 PM

I have my privicy and do not allow Facebook to fickle with that

10/22/2013 5:17 PM

Privacy settings can vary depending on the app you use

10/22/2013 4:33 PM

Kan tenke meg det henger sammen med at andre kan få tilgang på opplysninger om deg uten at opplysningene nødvendigvis kommer direkte fra deg

10/22/2013 3:11 PM

That a lot of my personal information can be shared by my friends, if both our settings are not set up correctly.

10/22/2013 12:54 PM

My privacy depend on others settings

10/22/2013 12:37 PM

How your connections have an impact on your privacy?

10/22/2013 12:20 PM

Yes. what concerns your privacy that you dont know of, that your friends do to your privacy ish

10/22/2013 12:00 PM

Same as before

10/22/2013 11:36 AM

even if you have restricted privacy, your friends apps can acces some of your information.

10/22/2013 11:34 AM

no

10/21/2013 10:11 PM

How apps you've installed can get around the Facebook privacy settings.

10/21/2013 8:46 PM

Privacy settings of facebook dependant apps

10/21/2013 8:15 PM

I think I was close to right. Relying on others' settings to keep my privacy.

10/21/2013 5:21 PM

I believe that it means to allow information to be let out without having knowledge of doing it.

10/21/2013 3:31 PM

How my personal information can be shared by my friends with 3rd party apps and people.

10/21/2013 8:42 AM

That others can access my privace info via their apps and vice versa

10/20/2013 2:51 PM

It means that you inadvertently disclose other people's private information! So I should delete everyone who uses apps? :)

10/19/2013 10:03 PM

Yes, I understand what it means now. If a friend of mine permits an app to access their info then they have a certain amount of access to my info.

10/19/2013 8:11 PM

Interdependent privacy is related to the control of use of apps that can access not only my personal and private information, but my friends and chats with them as well.

10/19/2013 1:39 PM

The possibility of apps to collect information through friends list and personal information.

10/18/2013 11:54 PM

that apps I put on my FB page can access my friend's accounts, information and activities. I am always very careful to select "ONLY ME" when they ask whose wall they can post to - but I wasn't aware that apps were independently able to access the information of my friends without my consent.

10/18/2013 11:12 PM

Yes, the privacy and accessibility of account or security.

10/18/2013 9:26 PM

Yes, I can restrict and avoid some applications in Face Book to avoid publishing my personal information.

10/18/2013 4:53 PM

The apps are allowing people to see things that are private. It's interdependent on FB

10/18/2013 2:55 AM

If im using the app it respects my privacy but not of my friends

10/18/2013 2:47 AM

Privacy settings related to apps that are used on Facebook.

10/18/2013 1:01 AM

Getting access through games and friends.

10/17/2013 5:59 PM

that other apps have access to your private information

10/17/2013 7:07 AM

It can reveal the relation between the user and his friends.

10/17/2013 5:23 AM

Yes, and I feel the answer I gave a moment ago is fairly close to this.

10/17/2013 5:20 AM

In a sense, we're interconnected with others (or forced to be), so in reality, we have no true "privacy" on Facebook. It seems the purpose of Facebook is not to be an independent entity, but a shared resource, so to speak.

10/17/2013 2:20 AM

privacy dealing with myself and my friends

10/17/2013 1:58 AM

its prolly different than i thought

10/16/2013 9:49 PM

I'm guessing it means that outside sources and apps on Facebook can assess my information if I let them.

10/16/2013 8:53 PM

It means people getting your info through the apps that others may use.

10/16/2013 8:29 PM

You can control what you share, but not what others do or say that may infringe on your privacy.

10/16/2013 8:07 PM

No

10/16/2013 8:04 PM

That your friends' settings can affect your privacy and vice versa
10/16/2013 7:53 PM

It looks like facebook friends and their app and other choices can have a direct effect on my facebook privacy.
10/16/2013 7:44 PM

I think that it means that the apps that I use can have an effect on my friends privacy.
10/16/2013 7:42 PM

That certain apps have access to all mine and my friends info
10/16/2013 7:30 PM

You have to rely on facebook to keep your privacy, you don't have full control of it.
10/16/2013 7:25 PM

no i do not
10/16/2013 7:16 PM

Maybe it's: Facebook taking other people's info based on something I do.
10/16/2013 5:07 PM

I think it means I can use this app to stop other apps or people who might add these apps to my personal information.
10/16/2013 4:29 PM

I think that it means if you give an app permission to use your information, the app can then use the information in any way it wants to. This is why I do not use any apps because I do not trust them period.
10/16/2013 4:23 PM

Hmn. I guess it makes sense now, seeing that apps can do that to people who are friends.
10/16/2013 4:19 PM

It must be connected to apps I use and my friends use -- others may have access to my personal information or activities if I have an app installed, or if friends do.
10/16/2013 4:06 PM

It means Facebook is sharing everything about me with everyone else
10/16/2013 3:42 PM

Privacy in regards to third party applications
10/16/2013 3:37 PM

Apps you use can disregard your privacy settings with facebook and play by their own rules - so I have to be much more diligent
10/16/2013 3:25 PM

I guess it has to do with facebook apps accessing information on facebook?
10/16/2013 3:03 PM

That it is not just your privacy shared but your friends privacy
10/16/2013 3:02 PM

Maybe it is in regard to one privacy setting changing, or depending on, another.
10/16/2013 2:57 PM

I would guess that it means that if you agree to using an app or a download then all privacy goes out the window
10/16/2013 2:46 PM

It means the privacy between friends on Facebook.
10/16/2013 2:43 PM

I'm thinking it's ways that different applications work with each other for privacy or against privacy.

10/16/2013 2:28 PM

I don't believe there is privacy with Facebook.

10/16/2013 2:08 PM

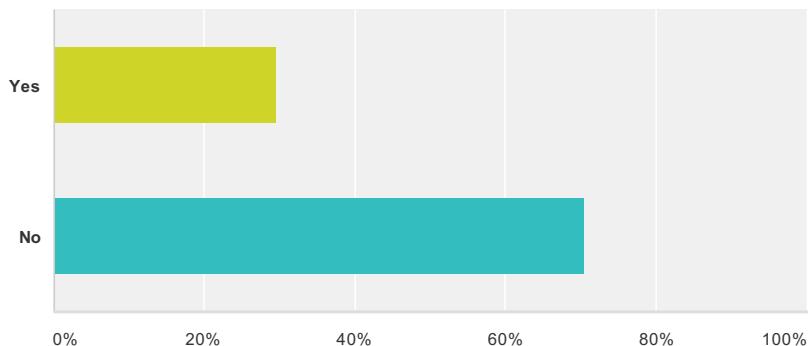
The amount of information third party apps have regarding networks of connections on Facebook

10/16/2013 2:05 PM

Interdependent Privacy on Facebook

Q32 Are you afraid that someone will hack into your Facebook account?

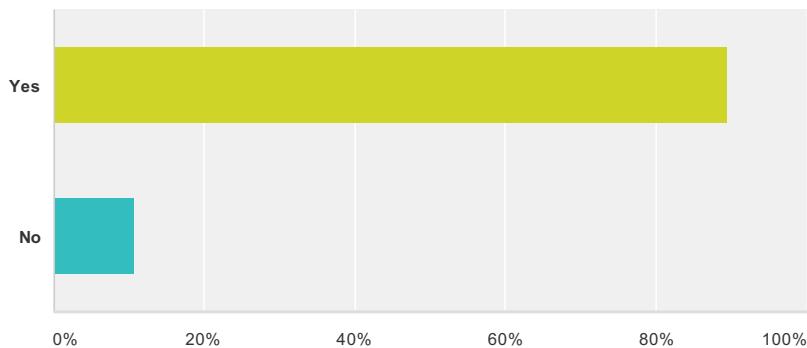
Besvart: 250 Hoppet över: 0



Interdependent Privacy on Facebook

Q33 Are you using secure browsing (https://) when using Facebook?

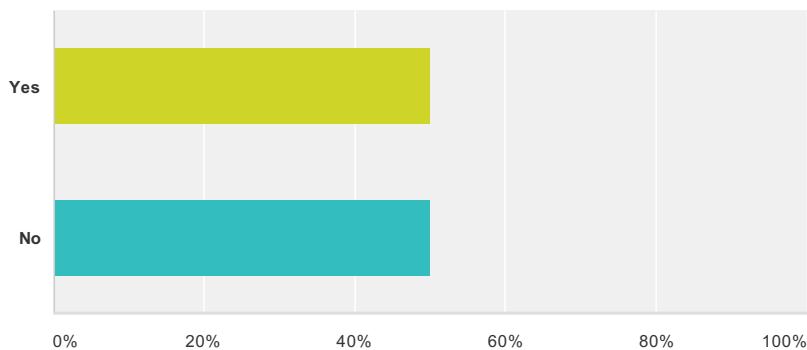
Besvart: 250 Hoppet över: 0



Interdependent Privacy on Facebook

**Q34 Are you using login notification
(receiving an email or text message when
you log on with a new browser or device)?**

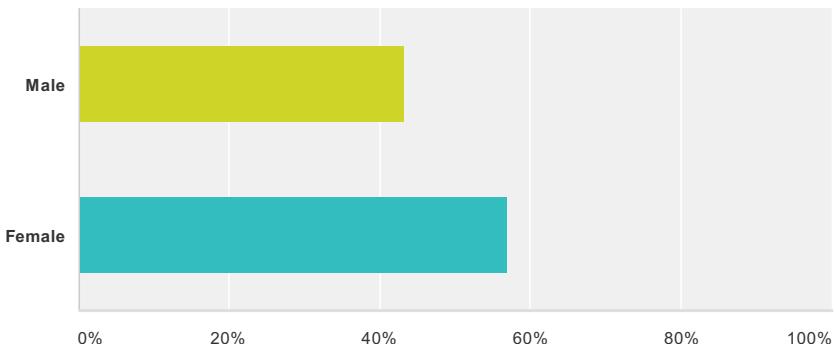
Besvart: 250 Hoppet över: 0



Interdependent Privacy on Facebook

Q35 What is your gender?

Besvart: 250 Hoppet över: 0



| Svarvalg | Svar | |
|----------|--------|-----|
| Male | 43,20% | 108 |
| Female | 56,80% | 142 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q36 What is your age?

Answered: 250 Skipped: 0

| | | |
|--------------------------|---------------------------|---------------------------|
| 23 11/7/2013 6:40 PM | 23 11/2/2013 8:04 PM | 24 10/29/2013 6:31 PM |
| 24 11/7/2013 4:04 PM | 41 11/2/2013 4:17 PM | 30 10/29/2013 5:17 PM |
| 24 11/7/2013 4:02 PM | 24 11/1/2013 1:21 PM | 21 10/29/2013 5:14 PM |
| 26 11/7/2013 3:52 PM | 36 11/1/2013 8:51 AM | 30 10/29/2013 4:02 PM |
| 27 11/7/2013 3:39 PM | 52 11/1/2013 12:07 AM | 35 10/29/2013 3:16 PM |
| 26 11/6/2013 12:37 PM | 30 10/31/2013 10:56 PM | 32 10/29/2013 3:09 PM |
| 35 11/6/2013 11:31 AM | 37 10/31/2013 2:43 PM | 32 10/29/2013 2:55 PM |
| 25 11/6/2013 3:39 AM | 20 10/31/2013 9:04 AM | 41 10/29/2013 2:45 PM |
| 39 11/5/2013 9:04 PM | 28 10/31/2013 4:49 AM | 28 10/29/2013 2:43 PM |
| 39 11/5/2013 12:46 PM | 30 10/30/2013 10:32 PM | 23 10/29/2013 2:42 PM |
| 21 11/5/2013 5:41 AM | 36 10/30/2013 10:11 PM | 25 10/29/2013 2:31 PM |
| 19 11/4/2013 10:53 PM | 19 10/30/2013 6:30 PM | 35 10/29/2013 2:23 PM |
| 23 11/4/2013 10:05 PM | 49 10/30/2013 5:45 PM | 47 10/29/2013 2:07 PM |
| 25 11/4/2013 8:57 PM | 23 10/30/2013 5:01 PM | 45 10/29/2013 1:45 PM |
| 38 11/3/2013 9:25 PM | 26 10/30/2013 8:56 AM | 32 10/29/2013 1:07 PM |
| 32 11/3/2013 9:18 PM | 33 10/30/2013 7:41 AM | 29 10/29/2013 6:17 AM |
| 41 11/3/2013 7:03 PM | 24 10/30/2013 3:56 AM | 25 10/29/2013 1:18 AM |
| 31 11/3/2013 6:30 PM | 27 10/30/2013 3:05 AM | 19 10/29/2013 12:43 AM |
| 24 11/2/2013 8:43 PM | 23 10/30/2013 2:51 AM | 23 10/28/2013 9:02 PM |

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|----|---------------------|----|---------------------|----|---------------------|
| 61 | 10/28/2013 7:15 PM | 24 | 10/25/2013 2:47 PM | 25 | 10/24/2013 9:39 PM |
| 44 | 10/28/2013 4:33 PM | 43 | 10/25/2013 2:19 PM | 29 | 10/24/2013 5:11 PM |
| 31 | 10/28/2013 4:29 PM | 28 | 10/25/2013 2:13 PM | 39 | 10/24/2013 5:04 PM |
| 29 | 10/28/2013 2:13 PM | 27 | 10/25/2013 2:13 PM | 23 | 10/24/2013 5:02 PM |
| 21 | 10/27/2013 10:53 PM | 29 | 10/25/2013 2:05 PM | 23 | 10/24/2013 4:46 PM |
| 26 | 10/27/2013 12:08 PM | 25 | 10/25/2013 2:00 PM | 30 | 10/24/2013 4:28 PM |
| 21 | 10/27/2013 7:52 AM | 24 | 10/25/2013 1:55 PM | 25 | 10/24/2013 4:17 PM |
| 33 | 10/27/2013 6:21 AM | 26 | 10/25/2013 1:45 PM | 26 | 10/24/2013 3:28 PM |
| 37 | 10/27/2013 2:37 AM | 26 | 10/25/2013 1:30 PM | 25 | 10/24/2013 3:18 PM |
| 20 | 10/27/2013 2:21 AM | 26 | 10/25/2013 1:17 PM | 24 | 10/24/2013 3:10 PM |
| 38 | 10/27/2013 2:17 AM | 26 | 10/25/2013 1:16 PM | 19 | 10/24/2013 2:56 PM |
| 32 | 10/27/2013 2:05 AM | 25 | 10/25/2013 1:05 PM | 27 | 10/24/2013 2:25 PM |
| 30 | 10/27/2013 2:54 AM | 24 | 10/25/2013 12:22 PM | 24 | 10/24/2013 2:23 PM |
| 24 | 10/27/2013 2:50 AM | 44 | 10/25/2013 10:29 AM | 25 | 10/24/2013 2:07 PM |
| 31 | 10/27/2013 2:28 AM | 36 | 10/25/2013 5:04 AM | 28 | 10/24/2013 1:52 PM |
| 20 | 10/26/2013 10:52 PM | 23 | 10/25/2013 4:53 AM | 26 | 10/24/2013 1:48 PM |
| 30 | 10/26/2013 3:58 PM | 27 | 10/25/2013 4:25 AM | 24 | 10/24/2013 1:47 PM |
| 27 | 10/26/2013 4:40 AM | 23 | 10/25/2013 4:14 AM | 24 | 10/24/2013 1:19 PM |
| 39 | 10/26/2013 1:23 AM | 24 | 10/25/2013 12:46 AM | 22 | 10/24/2013 1:15 PM |
| 24 | 10/25/2013 4:24 PM | 22 | 10/25/2013 12:04 AM | 24 | 10/24/2013 1:12 PM |
| 22 | 10/25/2013 2:49 PM | 26 | 10/24/2013 11:03 PM | 24 | 10/24/2013 12:59 PM |

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|----|---------------------|----|---------------------|----|---------------------|
| 23 | 10/24/2013 12:45 PM | 23 | 10/22/2013 12:34 PM | 27 | 10/21/2013 5:44 AM |
| 26 | 10/24/2013 12:37 PM | 23 | 10/22/2013 12:31 PM | 38 | 10/21/2013 2:00 AM |
| 30 | 10/24/2013 11:14 AM | 29 | 10/22/2013 12:30 PM | 24 | 10/20/2013 11:27 PM |
| 24 | 10/23/2013 8:20 PM | 25 | 10/22/2013 12:21 PM | 48 | 10/20/2013 2:54 PM |
| 29 | 10/23/2013 7:51 PM | 30 | 10/22/2013 12:10 PM | 22 | 10/20/2013 1:19 AM |
| 24 | 10/23/2013 1:19 PM | 24 | 10/22/2013 12:03 PM | 21 | 10/19/2013 11:56 PM |
| 22 | 10/23/2013 12:17 PM | 24 | 10/22/2013 11:39 AM | 25 | 10/19/2013 10:04 PM |
| 72 | 10/23/2013 11:46 AM | 27 | 10/22/2013 11:38 AM | 41 | 10/19/2013 8:12 PM |
| 24 | 10/23/2013 2:01 AM | 24 | 10/22/2013 11:37 AM | 25 | 10/19/2013 7:45 PM |
| 29 | 10/22/2013 11:16 PM | 24 | 10/22/2013 11:34 AM | 36 | 10/19/2013 1:41 PM |
| 35 | 10/22/2013 8:10 PM | 40 | 10/21/2013 10:12 PM | 32 | 10/18/2013 11:55 PM |
| 32 | 10/22/2013 8:01 PM | 28 | 10/21/2013 8:55 PM | 41 | 10/18/2013 11:12 PM |
| 25 | 10/22/2013 7:55 PM | 36 | 10/21/2013 8:47 PM | 25 | 10/18/2013 9:27 PM |
| 24 | 10/22/2013 5:59 PM | 37 | 10/21/2013 8:28 PM | 28 | 10/18/2013 6:58 PM |
| 39 | 10/22/2013 5:22 PM | 24 | 10/21/2013 8:16 PM | 34 | 10/18/2013 4:54 PM |
| 61 | 10/22/2013 5:18 PM | 31 | 10/21/2013 5:22 PM | 34 | 10/18/2013 3:32 PM |
| 23 | 10/22/2013 4:33 PM | 25 | 10/21/2013 3:32 PM | 34 | 10/18/2013 7:31 AM |
| 24 | 10/22/2013 3:13 PM | 28 | 10/21/2013 3:27 PM | 28 | 10/18/2013 2:56 AM |
| 27 | 10/22/2013 12:56 PM | 23 | 10/21/2013 2:36 PM | 22 | 10/18/2013 2:48 AM |
| 20 | 10/22/2013 12:47 PM | 30 | 10/21/2013 11:49 AM | 43 | 10/18/2013 1:02 AM |
| 25 | 10/22/2013 12:38 PM | 29 | 10/21/2013 8:43 AM | 49 | 10/17/2013 7:55 PM |

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|---------------------|--------------------|--------------------|
| 27 | 36 | 37 |
| 10/17/2013 6:30 PM | 10/16/2013 7:54 PM | 10/16/2013 4:24 PM |
| 55 | 37 | 34 |
| 10/17/2013 5:59 PM | 10/16/2013 7:54 PM | 10/16/2013 4:20 PM |
| 34 | 44 | 26 |
| 10/17/2013 3:44 PM | 10/16/2013 7:45 PM | 10/16/2013 4:19 PM |
| 22 | 29 | 36 |
| 10/17/2013 12:59 PM | 10/16/2013 7:43 PM | 10/16/2013 4:09 PM |
| 32 | 29 | 61 |
| 10/17/2013 7:08 AM | 10/16/2013 7:42 PM | 10/16/2013 4:07 PM |
| 29 | 51 | 33 |
| 10/17/2013 5:24 AM | 10/16/2013 7:37 PM | 10/16/2013 4:07 PM |
| 49 | 28 | 34 |
| 10/17/2013 5:20 AM | 10/16/2013 7:33 PM | 10/16/2013 3:50 PM |
| 29 | 30 | 67 |
| 10/17/2013 5:13 AM | 10/16/2013 7:32 PM | 10/16/2013 3:43 PM |
| 45 | 51 | 24 |
| 10/17/2013 3:03 AM | 10/16/2013 7:31 PM | 10/16/2013 3:37 PM |
| 36 | 24 | 34 |
| 10/17/2013 2:20 AM | 10/16/2013 7:25 PM | 10/16/2013 3:34 PM |
| 23 | 44 | 26 |
| 10/17/2013 1:59 AM | 10/16/2013 7:17 PM | 10/16/2013 3:33 PM |
| 61 | 47 | 45 |
| 10/16/2013 10:48 PM | 10/16/2013 7:15 PM | 10/16/2013 3:26 PM |
| 58 | 34 | 28 |
| 10/16/2013 9:53 PM | 10/16/2013 6:11 PM | 10/16/2013 3:15 PM |
| 24 | 19 | 47 |
| 10/16/2013 9:42 PM | 10/16/2013 5:44 PM | 10/16/2013 3:04 PM |
| 23 | 40 | 34 |
| 10/16/2013 8:54 PM | 10/16/2013 5:35 PM | 10/16/2013 3:04 PM |
| 43 | 28 | 35 |
| 10/16/2013 8:29 PM | 10/16/2013 5:18 PM | 10/16/2013 2:57 PM |
| 26 | 34 | 43 |
| 10/16/2013 8:23 PM | 10/16/2013 5:07 PM | 10/16/2013 2:47 PM |
| 24 | 24 | 30 |
| 10/16/2013 8:19 PM | 10/16/2013 4:36 PM | 10/16/2013 2:44 PM |
| 37 | 31 | 47 |
| 10/16/2013 8:09 PM | 10/16/2013 4:34 PM | 10/16/2013 2:29 PM |
| 21 | 58 | 32 |
| 10/16/2013 8:04 PM | 10/16/2013 4:30 PM | 10/16/2013 2:26 PM |
| 23 | 62 | 40 |
| 10/16/2013 8:03 PM | 10/16/2013 4:27 PM | 10/16/2013 2:22 PM |

52

10/16/2013 2:09 PM

29

10/16/2013 2:05 PM

34

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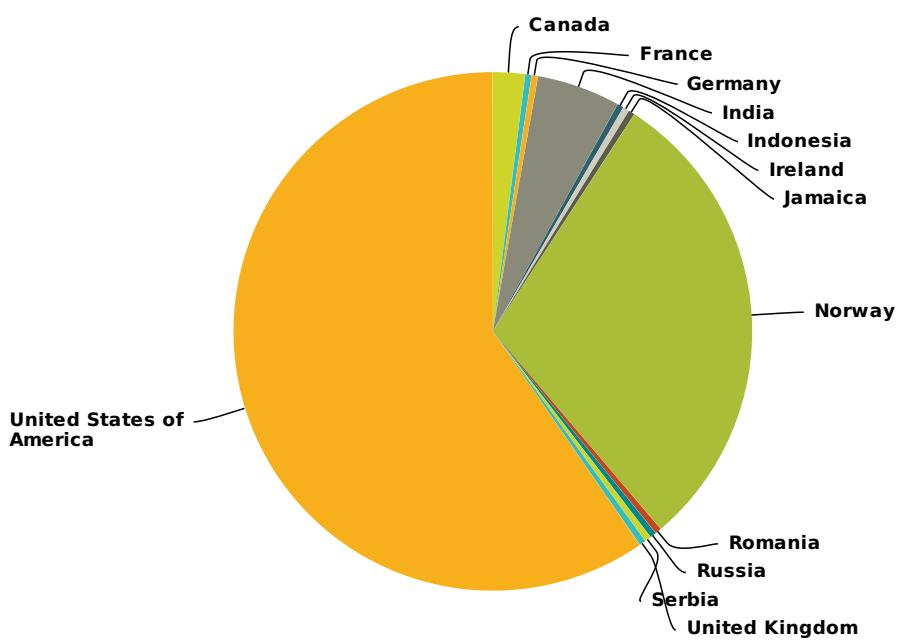
76

10/16/2013 1:11 PM

Q37 Which country are you from?

Besvart: 250 Hoppet över: 0

Interdependent Privacy on Facebook



Interdependent Privacy on Facebook

| Svarvalg | Svar |
|-------------------|------|
| Afghanistan | 0% |
| Albania | 0% |
| Algeria | 0% |
| Andorra | 0% |
| Angola | 0% |
| Antigua & Barbuda | 0% |
| Argentina | 0% |
| Armenia | 0% |
| Australia | 0% |
| Austria | 0% |
| Azerbaijan | 0% |
| Bahamas | 0% |
| Bahrain | 0% |
| Bangladesh | 0% |
| Barbados | 0% |
| Belarus | 0% |
| Belgium | 0% |
| Belize | 0% |

Interdependent Privacy on Facebook

| | | |
|------------------------------|----|---|
| Benin | 0% | 0 |
| Bhutan | 0% | 0 |
| Bolivia | 0% | 0 |
| Bosnia & Herzegovina | 0% | 0 |
| Botswana | 0% | 0 |
| Brazil | 0% | 0 |
| Brunei | 0% | 0 |
| Bulgaria | 0% | 0 |
| Burkina Faso | 0% | 0 |
| Burundi | 0% | 0 |
| Cambodia | 0% | 0 |
| Cameroon | 0% | 0 |
| Canada | 2% | 5 |
| Cape Verde | 0% | 0 |
| Central African Republic | 0% | 0 |
| Chad | 0% | 0 |
| Chile | 0% | 0 |
| China | 0% | 0 |
| Colombia | 0% | 0 |
| Comoros | 0% | 0 |
| Congo | 0% | 0 |
| Congo Democratic Republic of | 0% | 0 |
| Costa Rica | 0% | 0 |
| Cote d'Ivoire | 0% | 0 |
| Croatia | 0% | 0 |
| Cuba | 0% | 0 |
| Cyprus | 0% | 0 |
| Czech Republic | 0% | 0 |
| Denmark | 0% | 0 |
| Djibouti | 0% | 0 |
| Dominica | 0% | 0 |
| Dominican Republic | 0% | 0 |
| Ecuador | 0% | 0 |
| East Timor | 0% | 0 |
| Egypt | 0% | 0 |

Interdependent Privacy on Facebook

| | | |
|-------------------|--------------|----|
| El Salvador | 0% | 0 |
| Equatorial Guinea | 0% | 0 |
| Eritrea | 0% | 0 |
| Estonia | 0% | 0 |
| Ethiopia | 0% | 0 |
| Fiji | 0% | 0 |
| Finland | 0% | 0 |
| France | 0,40% | 1 |
| Gabon | 0% | 0 |
| Gambia | 0% | 0 |
| Georgia | 0% | 0 |
| Germany | 0,40% | 1 |
| Ghana | 0% | 0 |
| Greece | 0% | 0 |
| Grenada | 0% | 0 |
| Guatemala | 0% | 0 |
| Guinea | 0% | 0 |
| Guinea-Bissau | 0% | 0 |
| Guyana | 0% | 0 |
| Haiti | 0% | 0 |
| Honduras | 0% | 0 |
| Hungary | 0% | 0 |
| Iceland | 0% | 0 |
| India | 5,20% | 13 |
| Indonesia | 0,40% | 1 |
| Iran | 0% | 0 |
| Iraq | 0% | 0 |
| Ireland | 0,40% | 1 |
| Israel | 0% | 0 |
| Italy | 0% | 0 |
| Jamaica | 0,40% | 1 |
| Japan | 0% | 0 |
| Jordan | 0% | 0 |
| Kazakhstan | 0% | 0 |
| Kenya | 0% | 0 |

Interdependent Privacy on Facebook

| | | |
|------------------|----|---|
| Kiribati | 0% | 0 |
| Korea North | 0% | 0 |
| Korea South | 0% | 0 |
| Kosovo | 0% | 0 |
| Kuwait | 0% | 0 |
| Kyrgyzstan | 0% | 0 |
| Laos | 0% | 0 |
| Latvia | 0% | 0 |
| Lebanon | 0% | 0 |
| Lesotho | 0% | 0 |
| Liberia | 0% | 0 |
| Libya | 0% | 0 |
| Liechtenstein | 0% | 0 |
| Lithuania | 0% | 0 |
| Luxembourg | 0% | 0 |
| Macedonia | 0% | 0 |
| Madagascar | 0% | 0 |
| Malawi | 0% | 0 |
| Malaysia | 0% | 0 |
| Maldives | 0% | 0 |
| Mali | 0% | 0 |
| Malta | 0% | 0 |
| Marshall Islands | 0% | 0 |
| Mauritania | 0% | 0 |
| Mauritius | 0% | 0 |
| Mexico | 0% | 0 |
| Micronesia | 0% | 0 |
| Moldova | 0% | 0 |
| Monaco | 0% | 0 |
| Mongolia | 0% | 0 |
| Montenegro | 0% | 0 |
| Morocco | 0% | 0 |
| Mozambique | 0% | 0 |
| Myanmar (Burma) | 0% | 0 |
| Namibia | 0% | 0 |

Interdependent Privacy on Facebook

| | | |
|------------------------------|---------------|----|
| Nauru | 0% | 0 |
| Nepal | 0% | 0 |
| The Netherlands | 0% | 0 |
| New Zealand | 0% | 0 |
| Nicaragua | 0% | 0 |
| Niger | 0% | 0 |
| Nigeria | 0% | 0 |
| Norway | 29,60% | 74 |
| Oman | 0% | 0 |
| Pakistan | 0% | 0 |
| Palau | 0% | 0 |
| Palestinian State* | 0% | 0 |
| Panama | 0% | 0 |
| Papua New Guinea | 0% | 0 |
| Paraguay | 0% | 0 |
| Peru | 0% | 0 |
| The Philippines | 0% | 0 |
| Poland | 0% | 0 |
| Portugal | 0% | 0 |
| Qatar | 0% | 0 |
| Romania | 0,40% | 1 |
| Russia | 0,40% | 1 |
| Rwanda | 0% | 0 |
| St. Kitts & Nevis | 0% | 0 |
| St. Lucia | 0% | 0 |
| St. Vincent & The Grenadines | 0% | 0 |
| Samoa | 0% | 0 |
| San Marino | 0% | 0 |
| Sao Tome & Principe | 0% | 0 |
| Saudi Arabia | 0% | 0 |
| Senegal | 0% | 0 |
| Serbia | 0,40% | 1 |
| Seychelles | 0% | 0 |
| Sierra Leone | 0% | 0 |
| Singapore | 0% | 0 |

Interdependent Privacy on Facebook

| | | |
|--------------------------|--------|-----|
| Slovakia | 0% | 0 |
| Slovenia | 0% | 0 |
| Solomon Islands | 0% | 0 |
| Somalia | 0% | 0 |
| South Africa | 0% | 0 |
| South Sudan | 0% | 0 |
| Spain | 0% | 0 |
| Sri Lanka | 0% | 0 |
| Sudan | 0% | 0 |
| Suriname | 0% | 0 |
| Swaziland | 0% | 0 |
| Sweden | 0% | 0 |
| Switzerland | 0% | 0 |
| Syria | 0% | 0 |
| Taiwan | 0% | 0 |
| Tajikistan | 0% | 0 |
| Tanzania | 0% | 0 |
| Thailand | 0% | 0 |
| Togo | 0% | 0 |
| Tonga | 0% | 0 |
| Trinidad & Tobago | 0% | 0 |
| Tunisia | 0% | 0 |
| Turkey | 0% | 0 |
| Turkmenistan | 0% | 0 |
| Tuvalu | 0% | 0 |
| Uganda | 0% | 0 |
| Ukraine | 0% | 0 |
| United Arab Emirates | 0% | 0 |
| United Kingdom | 0,40% | 1 |
| United States of America | 59,60% | 149 |
| Uruguay | 0% | 0 |
| Uzbekistan | 0% | 0 |
| Vanuatu | 0% | 0 |
| Vatican City (Holy See) | 0% | 0 |
| Venezuela | 0% | 0 |

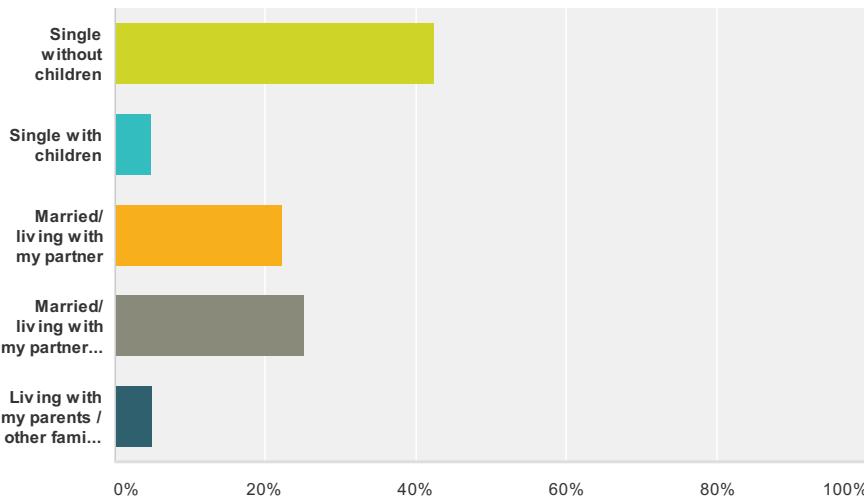
Interdependent Privacy on Facebook

| | | |
|--------------|----|------------|
| Vietnam | 0% | 0 |
| Yemen | 0% | 0 |
| Zambia | 0% | 0 |
| Zimbabwe | 0% | 0 |
| Total | | 250 |

Interdependent Privacy on Facebook

Q38 What is your current family situation?

Besvart: 250 Hoppet över: 0

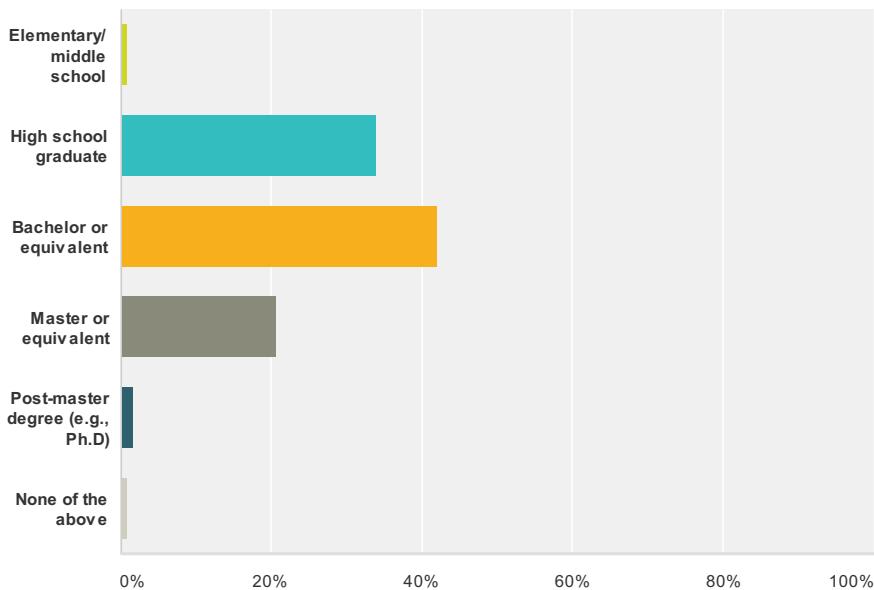


| Svarvalg | Svar |
|--|------------|
| Single without children | 42,40% 106 |
| Single with children | 4,80% 12 |
| Married/ living with my partner | 22,40% 56 |
| Married/ living with my partner, and with children | 25,20% 63 |
| Living with my parents / other family / friends | 5,20% 13 |
| Totalt | 250 |

Interdependent Privacy on Facebook

Q39 What is your highest qualification/degree?

Besvart: 250 Hoppet över: 0

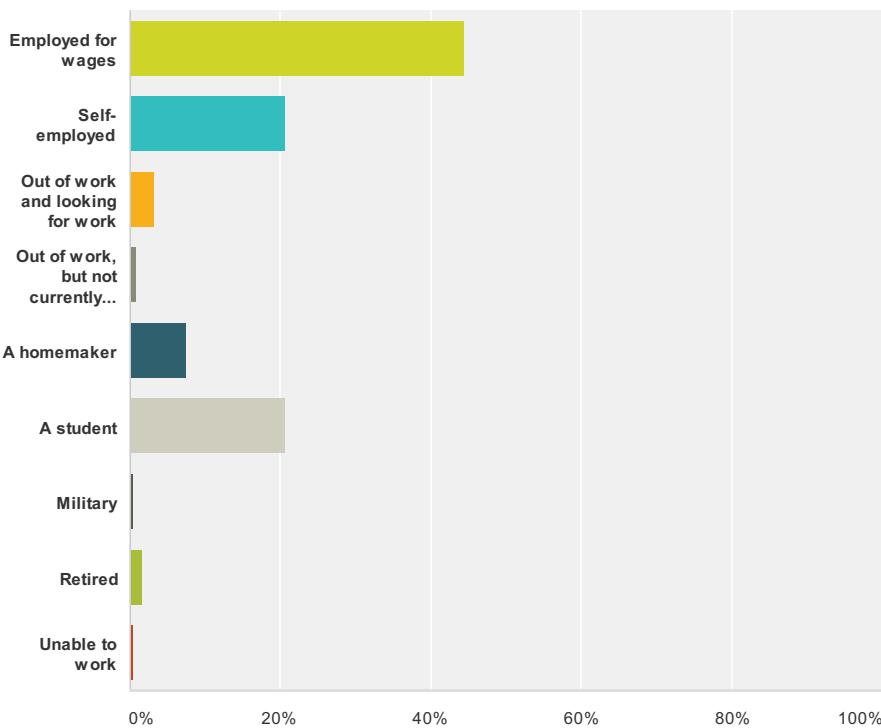


| Svarvalg | Svar | |
|---------------------------------|--------|------------|
| Elementary/ middle school | 0,80% | 2 |
| High school graduate | 34% | 85 |
| Bachelor or equivalent | 42% | 105 |
| Master or equivalent | 20,80% | 52 |
| Post-master degree (e.g., Ph.D) | 1,60% | 4 |
| None of the above | 0,80% | 2 |
| Totalt | | 250 |

Interdependent Privacy on Facebook

Q40 What is your employment status?

Besvarat: 250 Hoppet över: 0

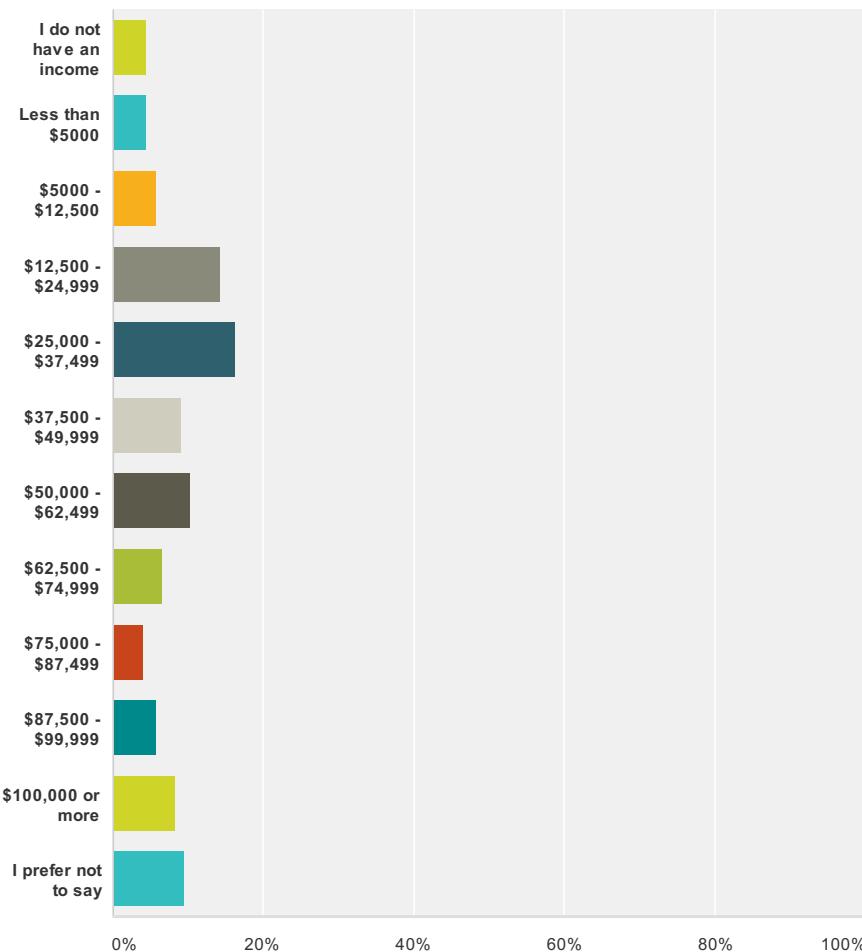


| Svarvalg | Svar |
|---|------------|
| Employed for wages | 44,40% 111 |
| Self-employed | 20,80% 52 |
| Out of work and looking for work | 3,20% 8 |
| Out of work, but not currently looking for work | 0,80% 2 |
| A homemaker | 7,60% 19 |
| A student | 20,80% 52 |
| Military | 0,40% 1 |
| Retired | 1,60% 4 |
| Unable to work | 0,40% 1 |
| Totalt | 250 |

Interdependent Privacy on Facebook

Q41 What is the total income of your household per year?

Besvart: 250 Hoppet över: 0



| Svarvalg | Svar | |
|-------------------------|--------|----|
| I do not have an income | 4,40% | 11 |
| Less than \$5000 | 4,40% | 11 |
| \$5000 - \$12,500 | 6% | 15 |
| \$12,500 - \$24,999 | 14,40% | 36 |
| \$25,000 - \$37,499 | 16,40% | 41 |
| \$37,500 - \$49,999 | 9,20% | 23 |
| \$50,000 - \$62,499 | 10,40% | 26 |
| \$62,500 - \$74,999 | 4,80% | 17 |

Interdependent Privacy on Facebook

| | | |
|---------------------|-------|------------|
| \$75,000 - \$87,499 | 4% | 10 |
| \$87,500 - \$99,999 | 6% | 15 |
| \$100,000 or more | 8,40% | 21 |
| I prefer not to say | 9,60% | 24 |
| Total | | 250 |