1. What is your gender?

○ Female

○ Male

○ Other

2. How old are you?

I am [＿＿] years old

3. General perceptions and concerns about privacy

Please indicate the extent to which you agree or disagree with each statement by ticking the appropriate number.

	Strongly disagree 1	Somewhat disagree 2	Neutral 3	Somewhat agree 4	Strongly Agree 5
I am aware of the privacy issues and practices in our society.	○	○	○	○	○
I follow the news and developments about the privacy issues and privacy violations.	○	○	○	○	○
I keep myself updated about privacy issues and the solutions that companies and the government employ to ensure our privacy.	○	○	○	○	○
Compared to others, I am more sensitive about the way companies handle my personal information.	○	○	○	○	○
To me, it is the most important thing to keep my information privacy.	○	○	○	○	○
Compared to others, I tend to be more concerned about threats to my information privacy.	○	○	○	○	○

	Never 1	Rarely 2	Sometimes 3	Often 4	Very often 5
How often have you been a victim of what you felt was an improper invasion of privacy?	○	○	○	○	○
How much have you heard or read during the past year about the use and potential misuse of the information collected from the Internet?	○	○	○	○	○
How often have you experienced incidents where your personal information was used by a company without your authorization?	○	○	○	○	○

4. Voice-controlled virtual assistant

A virtual assistant is a software agent that can perform tasks based on voice commands, without the requirement for keyboard input. Some examples of commercially available virtual assistants are Apple's Siri, Amazon Alexa, Microsoft's Cortana, and Google Assistant. Among other capabilities, virtual assistants can set reminders, manage contacts, play music, take purchase orders, send messages and calls, provide weather reports, and manage smart home devices.

How often do you use a voice-controlled virtual assistant in your daily life?

○	○	○	○	○
Never	Rarely	Sometimes	Often	Very often

Are you interested in starting or continuing to use a voice-controlled virtual assistant?

○	○	○	○	○
Not at all interested	Slightly interested	Somewhat interested	Quite interested	Very interested

On the next page, you will watch a video with sound. Please activate the speakers of your device or use headphones.

To confirm that sound is activated, play the audio clip below.

0:00 / 0:00

Enter the number spoken in the audio clip (in digits): [_____]

Reminder: *This page requires sound, keep using your speakers or headphones.*

Please attentively watch this video (1:44 minutes) about the privacy implications of voice data.

The 'next' button will automatically appear when you are done watching the video.

THE VIDEO USED IN THE STUDY IS AVAILABLE HERE:
https://www.youtube.com/watch?v=Gr22YqS1_VA

0:00 / 1:44

5. Please enter the code displayed in the video.

(not case-sensitive)

[   ]

6. Before you watched the video, were you aware that these types of information can be inferred from voice recordings?

	Not at all 1	Slightly 2	Somewhat 3	Quite well 4	Very well 5
Geographical origin	○	○	○	○	○
Gender and age	○	○	○	○	○
Mental health information	○	○	○	○	○
Physical health information	○	○	○	○	○
Level of intoxication	○	○	○	○	○
Moods and emotions	○	○	○	○	○
Sleepiness and fatigue	○	○	○	○	○
Personality traits	○	○	○	○	○

7. How worried are you about these possible inferences?

○	○	○	○	○
Not at all worried	Slightly worried	Somewhat worried	Quite worried	Very worried

8. Why do you feel this way? Please explain your reasoning in two or more sentences.

[   ]

9. Prior to this questionnaire, how often have you consciously thought about this issue when using a microphone-equipped device?

○	○	○	○	○
Never	Rarely	Sometimes	Often	Very often

10. What do you think, how common is it for companies to draw such inferences from voice recordings?

○	○	○	○	○
Very uncommon	Somewhat uncommon	Undecided	Somewhat common	Very common

11. Please rate how concerned you would be if a company used voice recordings to infer personal information about you without your awareness.

Geographical origin

Unconcerned	Slightly concerned	Somewhat concerned	Quite concerned	Very concerned

Gender and age

Unconcerned	Slightly concerned	Somewhat concerned	Quite concerned	Very concerned

Mental health information

Unconcerned	Slightly concerned	Somewhat concerned	Quite concerned	Very concerned

Physical health information

Unconcerned	Slightly concerned	Somewhat concerned	Quite concerned	Very concerned

Level of intoxication

Unconcerned	Slightly concerned	Somewhat concerned	Quite concerned	Very concerned

Moods and emotions

Unconcerned	Slightly concerned	Somewhat concerned	Quite concerned	Very concerned

Sleepiness and fatigue

Unconcerned	Slightly concerned	Somewhat concerned	Quite concerned	Very concerned

Personality traits

Unconcerned	Slightly concerned	Somewhat concerned	Quite concerned	Very concerned

Previously in this survey, you were asked about your interest in voice-controlled virtual assistants, such as Apple's Siri and Amazon Alexa. You are now asked about this a second time.

Please answer based on your current thoughts and feelings, independent from your previous response:

Are you interested in starting or continuing to use a voice-controlled virtual assistant?

○	○	○	○	○
Not at all interested	Slightly interested	Somewhat interested	Quite interested	Very interested

12. Please indicate the extent to which you agree or disagree with each statement by ticking the appropriate number.

	Strongly disagree 1	Somewhat disagree 2	Neutral 3	Somewhat agree 4	Strongly agree 5
Other people come to me for advice on new technologies	○	○	○	○	○
In general, I am among the first in my circle of friends to acquire new technology when it appears	○	○	○	○	○
I can usually figure out new high-tech products and services without help from others	○	○	○	○	○
I keep up with the latest technological developments in my areas of interest	○	○	○	○	○
I enjoy the challenge of figuring out high-tech gadgets	○	○	○	○	○
I find I have fewer problems than other people in making technology work for me	○	○	○	○	○
I prefer to use the most advanced technology available	○	○	○	○	○
Show that you are paying attention by skipping this row without making a tick	○	○	○	○	○
I find new technologies to be mentally stimulating	○	○	○	○	○
Learning about technology can be as rewarding as the technology itself	○	○	○	○	○

13. Do you own any devices that have a microphone? Select all that apply.

☐ Phone / smartphone

☐ Laptop

☐ Tablet

☐ Smartwatch

☐ Camera

☐ Smart speaker (e.g., Amazon Echo, Google Home, Google Home)

☐ Car with voice control interface

☐ Voice-enabled remote control

☐ Other (please specify)
[_____]

14. What is the highest level of education you have obtained?

○ Finished school with no qualifications

○ Still in secondary school

○ GCSE Level education (e.g. GCSE, O-Levels, Standards)

○ A-Level education (e.g. A, AS, S-Levels, Highers)

○ Some undergraduate education (i.e. university examinations but not completed degree)

○ Degree or Graduate education (e.g. BSc, BA)

○ Post-graduate education (e.g. MSc, MA)

○ Doctorate degree

○ Vocational education (e.g. NVQ, HNC, HND)

○ Other degree or qualification (please specify): [   ]

15. Do you have professional experience in the following areas?

Data protection law

no experience	little experience	some experience	much experience	very much experience

Computer science (e.g. as a programmer, technical IT consultant, or system administrator)

no experience	little experience	some experience	much experience	very much experience

Data mining

no experience	little experience	some experience	much experience	very much experience

Information technology security (IT security)

no experience	little experience	some experience	much experience	very much experience

16. What is your monthly net income?

Net income is defined as your total income after tax and social security deductions.

The amounts below are in British Pound (£). In case you need to convert: €1 is roughly equal to £0.9, $1 is roughly equal to £0.8.

- ○ I do not have a personal income
- ○ less than £250
- ○ £250 up to £500
- ○ £500 up to £1000
- ○ £1000 up to £1500
- ○ £1500 up to £2000
- ○ £2000 up to £3000
- ○ £3000 up to £4000
- ○ £4000 up to £5000
- ○ £5000 or more
- ○ Decline to answer

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17. What was this study about?

To show if we have expressed ourselves clearly enough, please tick the description that best reflects the topic of this study.

- ○ Health effects of urban air pollution
- ○ Privacy concerns related to voice recordings
- ○ Telecommunications in India
- ○ Professional music production
- ○ Health concerns about wireless device radiation
- ○ Landlord and tenant privacy rights

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Would you like to comment this questionnaire, or would you like to add information for us to better understand your answers?

Do you think, this questionnaire needs improvement? Did you feel some question were unclear, or did you feel unpleasent answering specific questions? Please leave us notes.