

Data misuse



Worksheet section	Contents
1	Malicious data misuse
2	Accidental data misuse

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1. Malicious data misuse

Section 1.1 (recall)

1) Fill in the missing words for this definition of a data misuse

When data is used in a way that is from what was originally intended.

Section 1.2 (rephrase)

2) Which of these are examples of data misuse?

	Yes/No
Company tracks the movement of its delivery staff without their knowledge	
A company shares information with the police related to an fraud investigation.	
A newspaper publishes an article on a football match including the names of the people who scored the goals.	
Hospital worker looks at the medical records of a celebrity and then shares the information with their friends.	

3) Data misuse can be malicious or accidental. Describe what it means for data to be misused maliciously.

Section 1.3 (apply)

4) Below is an example of malicious data misuse. Is the data misused for personal, political or commercial gain?

An employee has annoyed they have been asked to leave the clothing shop they work for. Before they leave they use their access to customer discount codes to order themselves lots of cheap clothes.

Section 1.4 (active)

5) The Cambridge Analytica scandal was a malicious data misuse for political gain. Search online to find the answer these questions about the scandal.

1. Malicious data misuse

These websites might help you.

https://en.wikipedia.org/wiki/Facebook%E2%80%93Cambridge_Analytica_data_scandal

<https://www.npr.org/2018/03/20/595338116/what-did-cambridge-analytica-do-during-the-2016-election>

<https://www.theguardian.com/news/2018/mar/17/cambridge-analytica-facebook-influence-us-election>

Approximately, how many Facebook users had their data collected without consent?

What information was collected about users? E.g. location

Once the data was collected it was sold to political groups, such as Donald Trump's 2016 presidential campaign. How did the political groups use information on the Facebook users?

2. Accidental data misuse

Section 2.1 (define)

- 1) Data misuse can be malicious or accidental. What is meant by accidental data misuse?

Section 2.2 (apply)

- 2) You have been given a dataset that has details of whether people have passed their exams. You've been asked to send a congratulation email to everyone who has passed and details of the re-sit for everyone else. The email is not to be sent out until Tuesday 3rd August.

name	email_address	pass_exam
Freya Jones	f.jones@school.co.uk	yes
Zoe McCool	z.mccool@school.co.uk	no
Kim Reid	k.reid@school.co.uk	no
Peter Tynd	p.tynd@school.co.uk	yes
Ralph Young	r.young@school.co.uk	no

Can you think of any ways that the data could accidentally be misused?

Section 2.3 (active)

- 3) In December 2019, the Cabinet Office accidentally misused the data relating to the New Years Honours list. Search online to find the answer to these questions about this data misuse to answer the questions below.

These websites might help you.

<https://ico.org.uk/about-the-ico/media-centre/news-and-blogs/2021/12/cabinet-office-fined-500-000-for-new-year-honours-data-breach/>

<https://www.bbc.co.uk/news/uk-politics-59505637>

<https://www.theguardian.com/technology/2021/dec/02/cabinet-office-fined-new-year-honours-list-data-breach>

What did the Cabinet Office publish on its website?

How much was the Cabinet Office fined for accidentally publishing this information?

- 4) The ICO (information commissioner's office) shares information when they have fined organisations due to data misuse. Using their website, investigate an enforcement action that you find interesting and answer the questions below.

<https://ico.org.uk/action-weve-taken/enforcement/>

2. Accidental data misuse

Name of the organisation investigated

Was the data misuse malicious or accidental?

If it was malicious was it for personal, political or commercial gain?

What did the organisation do that resulted in data misuse?

What enforcement action did the ICO take? E.g. how much was the fine

How do you feel about the organisation that misused the data?