The best privacy defense is a good privacy offense: obfuscating a search engine users profile

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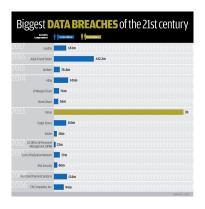
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Overview

- First Section
 - Subsection Example
- 2 Introduction
 - Why we need to protect ourselves
- 3 How do search engines know what we want?

Companies can't be trusted



- We trust that companies will protect our data
- Data breaches are commonplace today
- Unencrypted data is often leaked
- There is currently no or little legal requirement to protect data, and therefore represents an additional cost that some companies try to avoid
- Can we encrypt our own data before it is submitted to such companies?

Other methods of obfuscation



WHAT'S THE DIFFERENCE?







- Private browsing no cookies stored, but... IP still revealed
- Proxy servers to hide IP web browser fingerprints still revealed
- Ultimately, TOR for maximum anonymity
- Problem lose benefits that personalisation of websearches provides
- Can an alternative means of securing privacy without more intensive [change intensive here] methods be found?

Structure of Presentation

- How do search engines know what we want?
- Present a new method of obfuscation related to adversarial data mining
- Approach is explored in common setting of Internet search engines
- A learning method is presented for environments where a user can get feedback from her or his counterpart

Personalised Advertising



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Figure

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References



John Smith (2012)

Title of the publication

Journal Name 12(3), 45 - 678.

The End