Library services &
Search and find scientific publications

Mikael Rosell

Liu.se/en/Library

Liunet student > Use library Resources

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Agenda

- Introduction to library services

- Scientific and scholarly publications

- Searching and finding scientific publications

- Evaluate your search results

- AI generated tools

Linköpings University
One university - four campuses

Campus Valla **Campus Norrköping** **Campus US** **Campus Lidingö**

37256817190554372

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Your LiU-card is your library card & key card
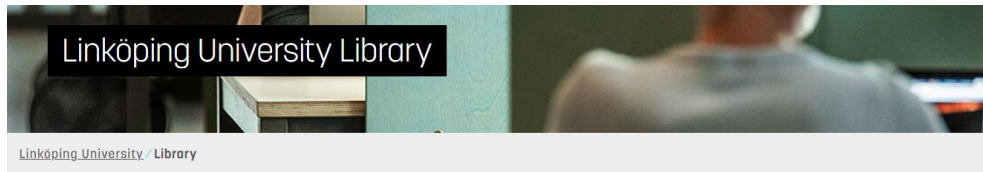
li.u LINKÖPING UNIVERSITY

Borrowing books

- Loan period: 3 weeks
- Books with reservations: 1 week
- **REFKURS**: 1 day
- Collect books in the book stacks
- ...or place a reservation – pick it up at the hold shelf
- Max: 50 books

The digital library
Liunet Student
liu.se/en/library

- <u>Unisearch</u> (search (almost) everything the library has access to)

- <u>Access 24/7</u> to digital materials (e.g. articles & books) with LiU-ID & password, on- and off-campus

Scientific and scholarly publications

- A scientific source is published by and for researchers
- The author (name, academic credentials) and the publisher (Elsevier, IEEE, Springer, etc.)
- Objective and formal style and language
- A predefined structure: Summary (abstract), Introduction, Method, Results and Discussion
- A reference list
- Quality control, e.g., the peer review process
- Conference – and Journal articles, Books, Dissertations, Reports
- Review, Overview, Study, Survey etc.

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Scientific and scholarly publications

Odusami, M., Abayomi-Alli, O., Misra, S., Shobayo, O., Damasevicius, R., Maskeliunas, R. (2018). Android Malware Detection: A Survey. In: Florez, H., Diaz, C., Chavarriaga, J. (eds) Applied Informatics. ICAI 2018. *Communications in Computer and Information Science* (Vol. 942, pp. 255–266). Springer, Cham. https://doi.org/10.1007/978-3-030-01535-0_19

- Author

  Modupe Odusami Department of Electrical and Information Engineering, Covenant University, Ota, Nigeria

- Publisher

  Springer Nature Group international publisher of academic publications within the subjects technic och medicine.

- Source

  Communications in Computer and Information Science

  - Book serie that publishes peer-reviewed conference papers in computer science

How to read scientific and scholarly publications

Don't read from start to end!

1. Abstract

2. Discussion

3. Introduction

4. Results

5. Methodology

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Why Information search?

Procedure when to write an academic text!

- Searching and finding information

- Evaluate the quality of information sources

- Write and organize the text

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Search process

Formulate research question

Find search terms

Choose search tools

Search

Access the material

Source evaluation

Evaluate & Analyse

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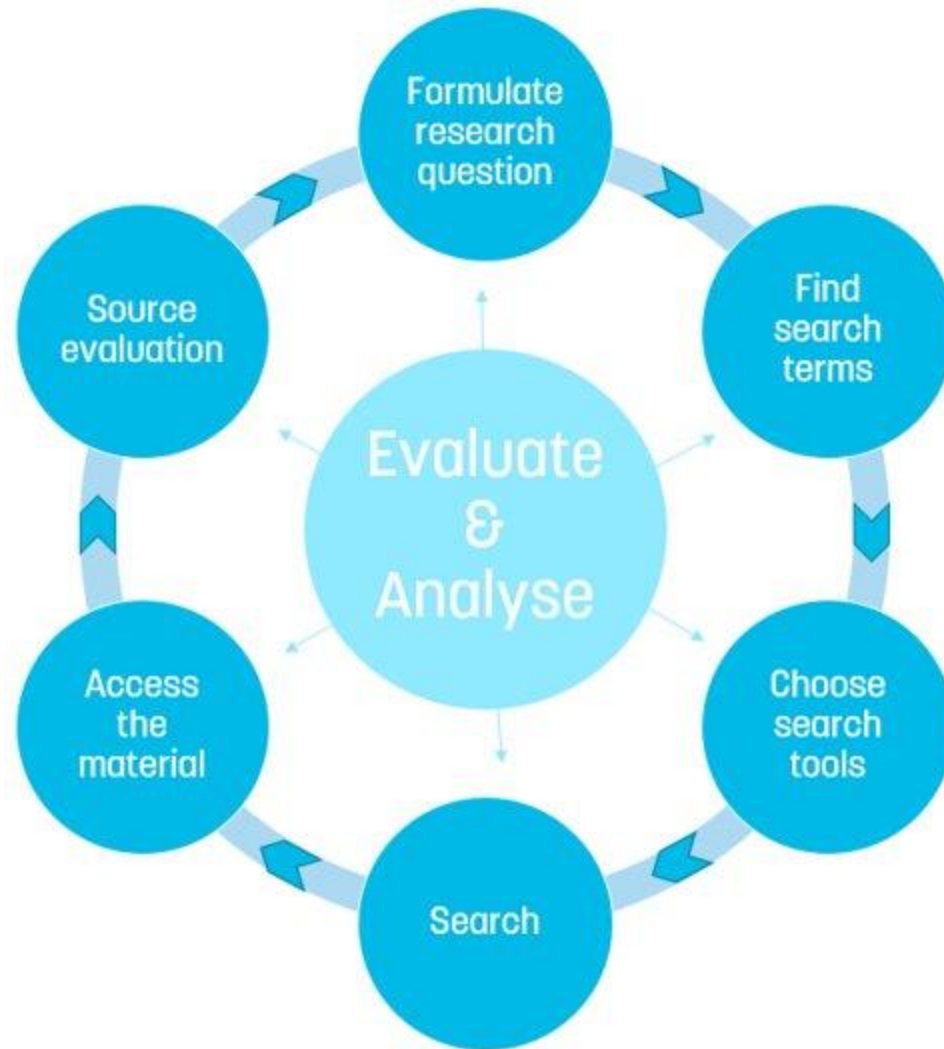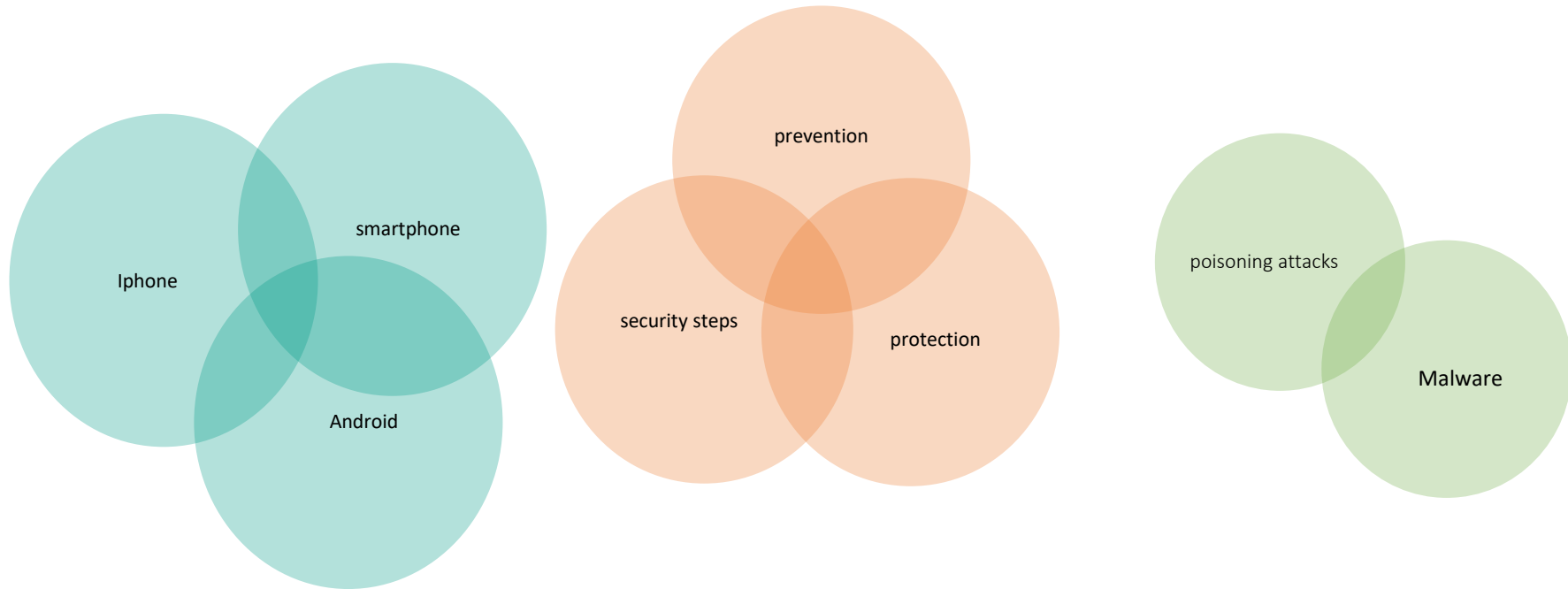
Possible security steps smartphone users can take to prevent the phone from being infected with malicious code?

Find and Organize Search Terms

Block 1	Block 2	Block 3	Block 4	Block 5
Smartphone Iphone Android	Security system steps Prevention Protection	Users	Malware Poisoning attacks	Survey Study Review Overview

Create Search Strings?

- Smartphone AND Security
- Smartphone AND Security AND System AND Users AND Malware
- (Smartphone OR Iphone OR Android) AND Security AND system AND users AND malware
- "Smartphone Security" AND Awareness

Choose search tools

Choose a search tool according to your information need

Starting point

- Course room in Lisam: Library resources & services

Choose search tools

Background material:

- Encyclopedia
  AccessScience, Britannica online

- Fact books
  Unisearch: Books at LiU Library, Google Books

- Student thesis & researchers publications at LiU
  DiVA

Scientific material:

- Unisearch
  Search for scientific publications available via LiU

- Google Scholar
  Google's search engine for scientific material

- Datbases
  Scientific journals and other publications

Google Scholar

Search Strings   Results

Smartphone AND Security   670T
(Smartphone OR Iphone OR Android) AND Security AND system AND users AND malware   87T
"Smartphone Security" AND Awareness   2,5T

A study on the user perception and awareness of smartphone security
D Pramod, R Raman - International Journal of Applied Engineering ..., 2014 - papers.ssrn.com
... communication using mobile phone safer and were better aware of the mobile phone
functionalities. Smartphone security undoubtedly has a growing demand and several security ...
☆ Save 99 Cite Cited by 25 Related articles Import into EndNote »

[HTML] Security behaviors of smartphone users
A Das, HU Khan - Information & Computer Security, 2016 - emerald.com
... security behaviors to the mobile context. From this prior literature, we identify constructs relevant
to smartphone security (including security behaviors, ... information security behaviors and ...
☆ Save 99 Cite Cited by 126 Related articles All 5 versions Web of Science: 40 Import into EndNote

Google Scholar

Search Strings

Results

Smartphone AND Security AND (Awareness OR Behaviors),
LIMITERS: Review Articles, Since 2020

14T

[HTML] A systematic literature review of the factors affecting smartphone user threat avoidance behaviour

R Butler - Information & Computer Security, 2020 - emerald.com

… security that is prevalent among smartphone users and make cost effective and usable interventions available. Training and awareness … in this study to affect smartphone users' threat …

☆ Save   99 Cite   Cited by 8   Related articles   All 3 versions   Import into EndNote

Relevant sources gives new sources & keywords

[HTML] A systematic literature review of the factors affecting **smartphone** user threat avoidance behaviour
R Butler - Information & Computer **Security**, 2020 - emerald.com
… **security** that is prevalent among **smartphone** users and make cost effective and usable interventions available. Training and **awareness** … in this study to affect **smartphone** users' threat …
☆ Save 🗬 Cite Cited by 8 Related articles All 3 versions Import into EndNote

- Authors/Journal/Publisher
- Concepts/Keywords/Subject headings
- Reference list
- Related sources
- Cited by
- Database (Emerald)

B1   F1
B2   PA   F2
B3   PA cites B1, B2, B3
       PA is cited by F1, F2, F3   F3

Backwards, Cited   time   Forwards, Citing
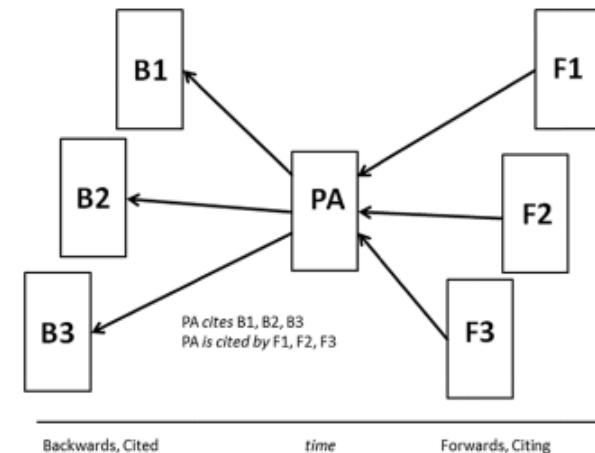
Fig. 1. Forward and backward citations cited and citing documents.

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Search Terms Table

Block 1	Block 2	Block 3	Block 4	Block 5
Smartphone	Security ~~system~~	Users	**Challenges**	Review
Iphone	Steps	**End-Users**	**Risks Threats**	**Overview**
Android	**Defense Detection**	**behaviors**	Malware	**Survey**
Mobile	**Threat avoidance**	**Awareness**	~~Poisoning~~ attacks	**Study**
	Factors	**Perceptions**		
	Prevention			
	Protection			

Save and organize relevant sources

Save references from search tools,
e.g. Google Scholar

ZoteroBib: referensgenerator

Import to BibTeX (LaTeX)

[HTML] A systematic literature review of the factors affecting **smartphone** user threat avoidance behaviour

R Butler - Information & Computer **Security**, 2020 - emerald.com

… **security** that is prevalent among **smartphone** users and make cost effective and usable interventions available. Training and **awareness** … in this study to affect **smartphone** users' threat …

☆ Save 🔖 Cite Cited by 8 Related articles All 3 versions Import into EndNote

zoterobib

10.1108/ICS-01-2020-0016/full/html   Cite

[1] R. Butler, "A systematic literature review of the factors affecting smartphone user threat avoidance behaviour," *ICS*, vol. 28, no. 4, pp. 555–574, Jun. 2020, doi: 10.1108/ICS-01-2020-0016. Available: https://www.emerald.com/insight/content/doi/10.1108/ICS-01-2020-0016/full/html. [Accessed: Feb. 28, 2024]

[HTML] A systematic literature review of the factors affecting **smartphone** user threat avoidance behaviour

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☆ Save 🔖 Cite Cited by 8 Related articles All 3 versions Import into BibTeX

Unisearch - liu.se/en/library

Navigate and search...

- The library's books
- Scientific journals
- Encyclopedia
- Databases
- ....but not everything we have access to

Services

- Search
- See availability
- Access our licensed content
- Reserve books

Search articles, books and more

Search articles, books and journals (in UniSearch) | **Search**

Customize search   ⬈ Advanced search

Databases   liu.se/en/library/databases

Multidisciplinary:

Subject specific:

- Contain scientific publications

- Subject-specific & quality controlled

- Easy to refine searches

- Publications that are not available via e.g., Google Scholar

Databases

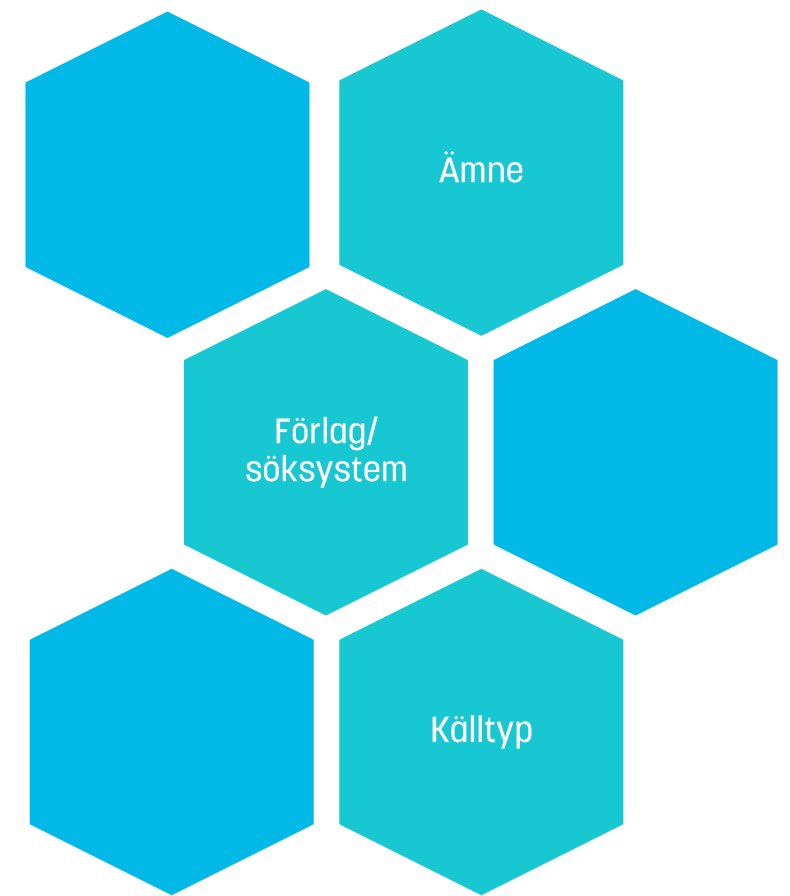Choosing a suitable database

- Compare relevance

Smartphone Security User Awareness

- SpringerLink: 15T

- ScienceDirect: 10T

- ACM: 8T

- Emerald: 2T

How search tools are used varies in different databases

ACM: Smartphone AND Security AND User AND Awareness

React to strange search results (0 or 2 millons)

Ämne

Förlag/
söksystem

Källtyp

Access Material

- PDF-fulltext   LiU Full Text   Free Full Text (Open Access)

llu Full Text   ↗ Find Full Text

LiU Full Text   ↗ Linked full text

Other ways to fulltext?

- Search on article title in Unisearch/Google Scholar
- Google Scholar – LiU Full Text
- Search on journal name in UniSearch
- No Access? Loans and requests (Note! Language)

[HTML] A systematic literature review of the factors affecting **smartphone** user threat avoidance behaviour

R Butler - Information & Computer Security, 2020 - emerald.com

… **security** that is prevalent among **smartphone** users and make cost effective and usable interventions available. Training and **awareness** … in this study to affect **smartphone** users' threat …

Sök artiklar, böcker med mera

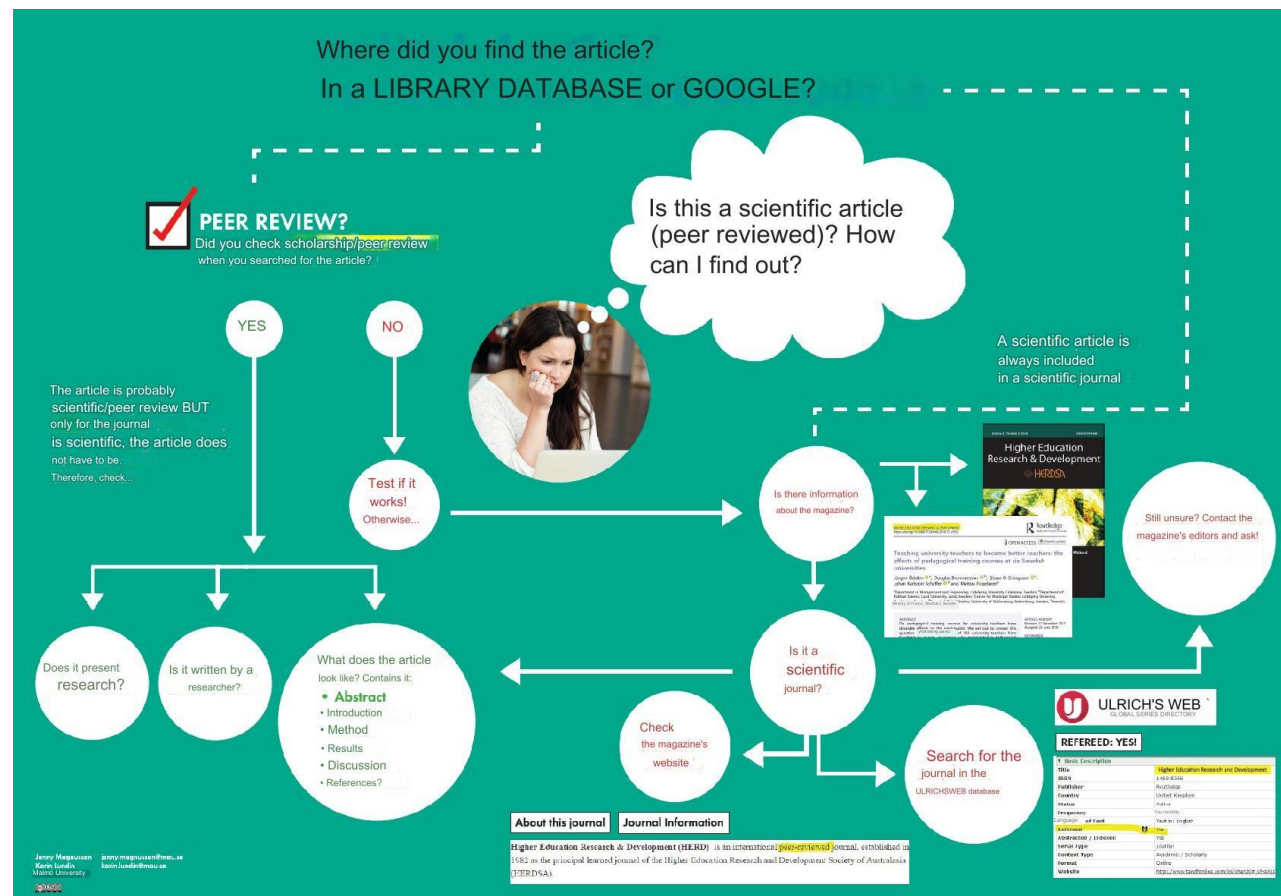Information Computer Security   Sök

Anpassa sökning

Sök efter...

☐ Artiklar, Böcker, Tidskrifter
☐ Böcker på svenska bibliotek
☐ Databaser
☑ Tidskrifter

Sök på...

☑ Titel
☐ ISSN

Evaluate your Search results

- Where is the source published?
- Peer-review?
- Author/Publisher/Journal?
- Presents research?
- IMRAD?
- Relevance?
- Ulrichsweb : global serials directory

Magnusson, J., & Lundin, K. (u.å.). *Vetenskapliga artiklar flödesschema*. Malmö universitet. https://mau.app.box.com/s/x94l8v7mb6xzfpikq22mb37yvt61ljef

Useful AI-Tools

Copilot, ChatGPT

- Find keywords and help create useful search questions. Explain concepts summarize texts

Elicit, Perplexity, Scopus AI

- AI search services. Enhanced Search Capabilities. Discovery Acceleration. An easy-to-understand overview of sources

Inciteful, Connected Papers

- Citation mapping tool. Gives several lists of Top articles, Review articles etc. which can be good tips.

AI-Tools: Remember this

"Ask a silly question, get a silly answer"

- Importance of prompt engineering

Factual accuracy and source criticism - Verify

- Bias and hallucinations
- Transparency – what tools did you use and how?

You yourself are involved in training the AI service you use

- Do not share sensitive information or data
- Do not share copyrighted material

Ethical dilemmas – your responsibility, AI is not an author

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liu.se/en/library

biblioteket@liu.se