Question time & workshop

2DV50E

10/2-21

Librarians: Anna Wolke, Julia Sallander, Birgitta Ekstrand, Emma Persson

Lnu.se

The content of this meeting

The process of information retrieval

An example of a search process

Scientific articles & scientific journals, conference proceedings

Search techniques & strategies

Databases & other resources

Reference management software

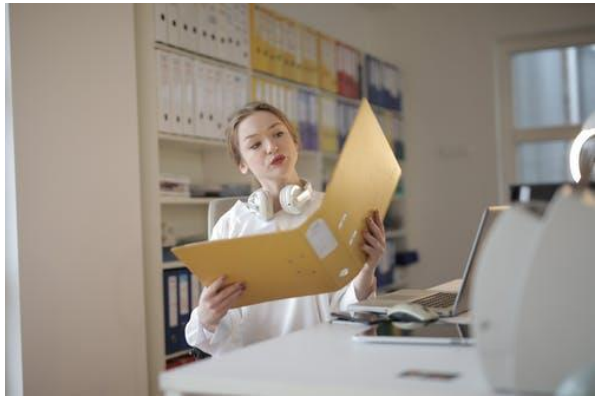
Questions / Exercises (individually)

Before the workshop, you should have taken part of the following sections in the course room, [2020/2021-Examensarbete/DegreeProject]

- Information retrieval
- Types of publications
- Evaluating information sources
- Subject guides
- Referencing

The article's path from script to database - a process in various stages

A scientist is studying something and writes an article script, sent to a journal or publishing company.

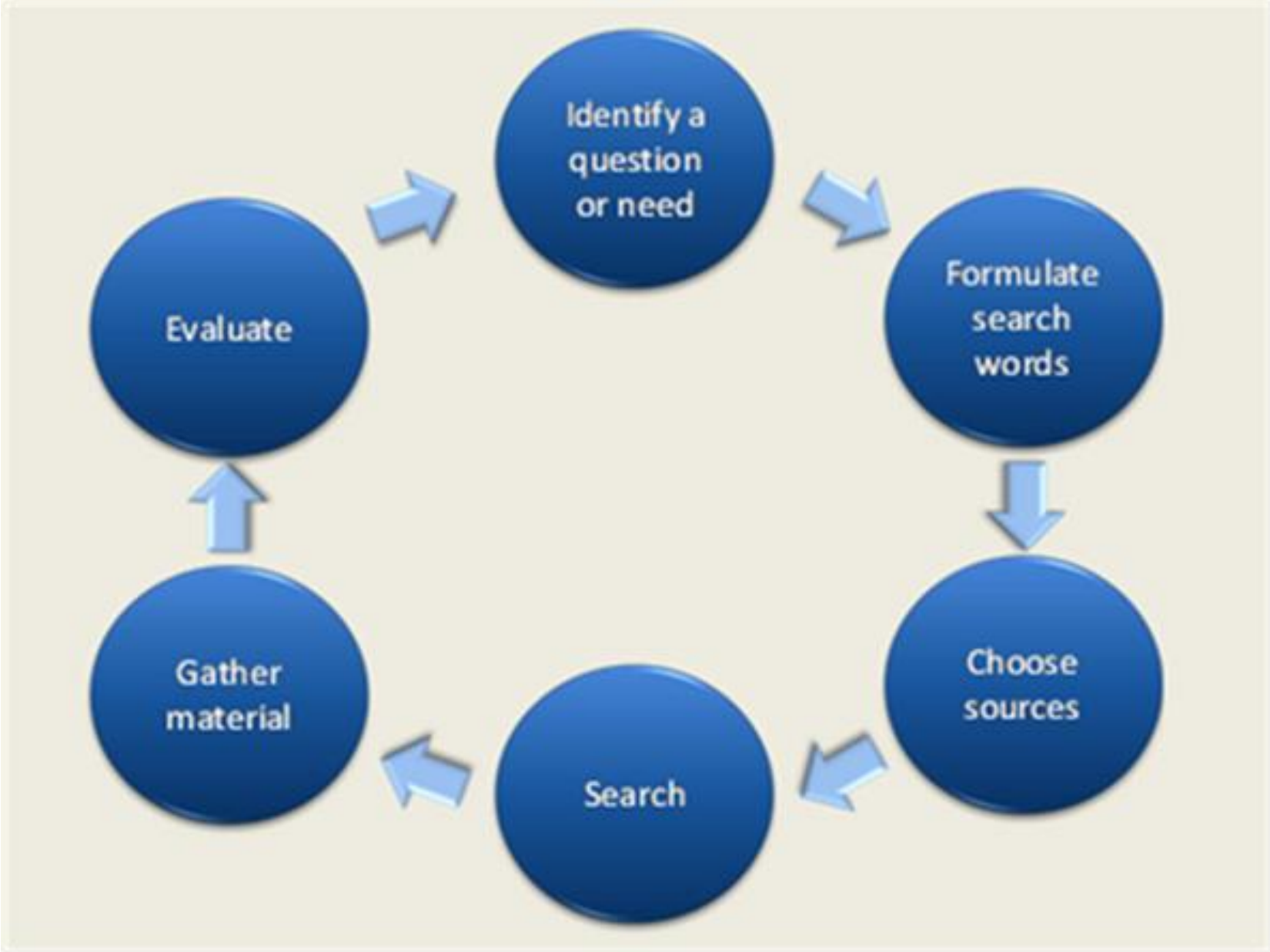


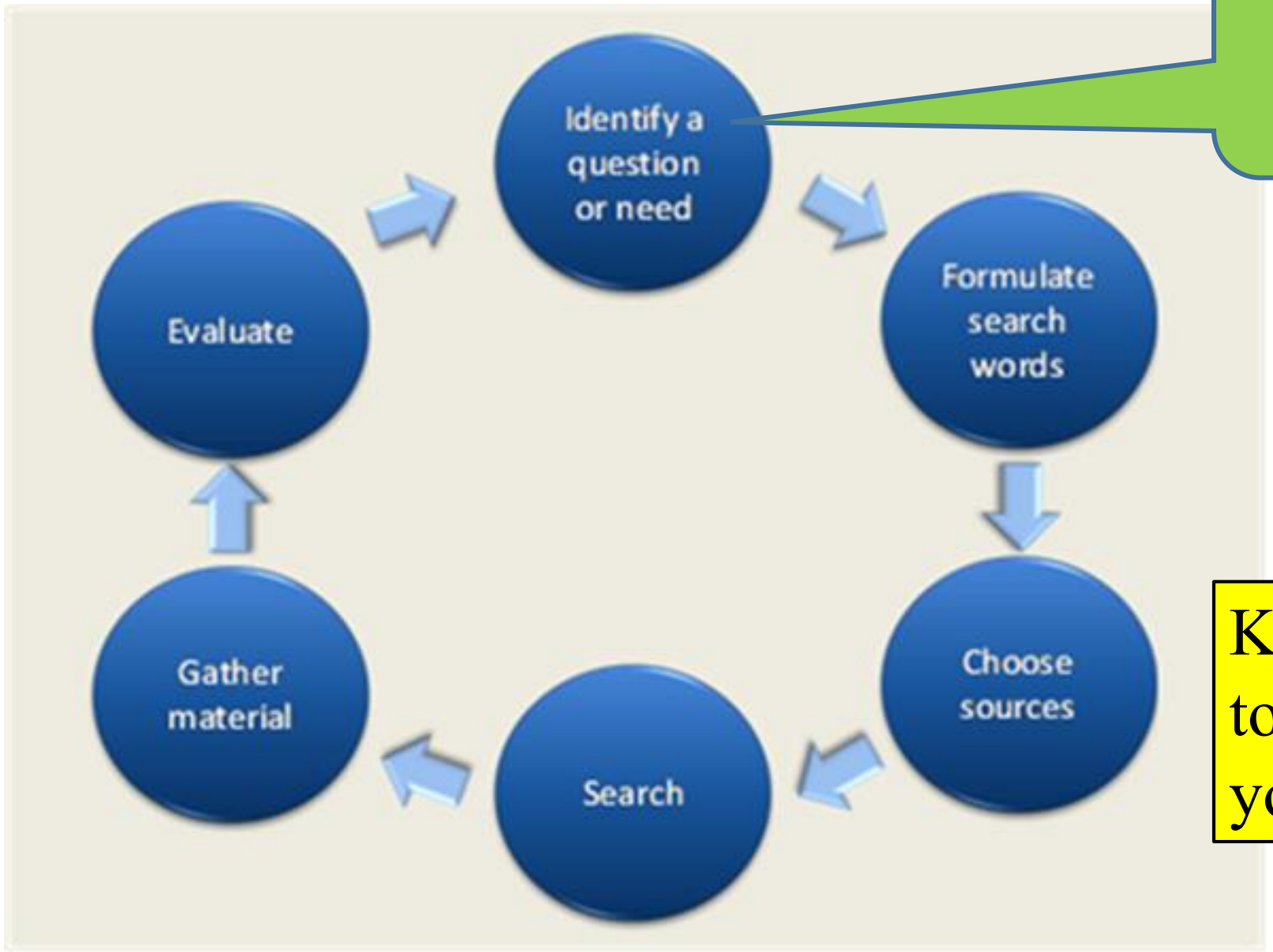
The editor of the journal reviews the article and if approved, it is forwarded to a number of reviewers that can either approve, propose revisions or refuse to publish. The process is called **peer review.**

Once the article has been adopted for publication it is sent to different databases. There, the article is analyzed and an article entry is created. The article is also indexed. Subjects are retrieved from the database thesaurus.

Now the article is searchable in different databases, and you can search the article via for example title, author or subject.

The process of information retrieval



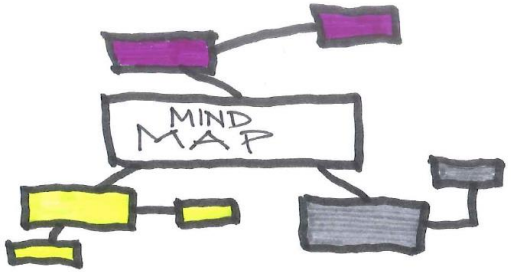


Identify a question or a need

Keywords – words used to describe and define your subject

Find your research gap

Get an overview of the topic

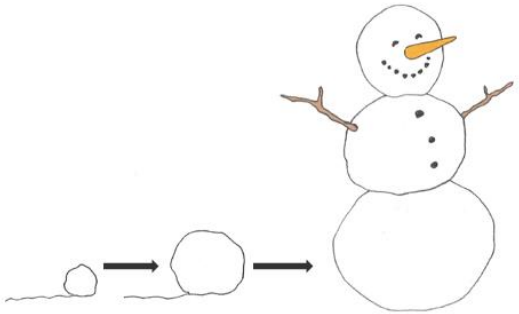


- Encyclopedias, course literature, manuals
- Google - Google and Google Scholar
- Search OneSearch
- Monitor the outside world - what is being talked about on TV, radio, social media, etc.
- Look for review articles
- Get inspiration from other students' essays

- **Test search** - to see how much or how little material is available

Different search strategies

- Citation pearl growing / snowball search



- Block search

- Quote search
  (search for citations)

[HTML] **Birth order** and **physical fitness** in early adulthood: Evidence from Swedish military conscription data

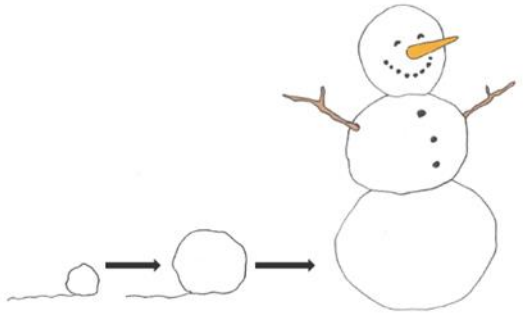
K Barclay, M Myrskylä - Social Science & Medicine, 2014 - Elsevier

Physical fitness at young adult ages is an important determinant of **physical** health, cognitive ability, and mortality. However, few studies have addressed the relationship between early life conditions and **physical fitness** in adulthood. An important potential factor influencing ...

☆ 99 Citerat av 17 Relaterade artiklar Alla 12 versionerna Web of Science: 9

Citation pearl growing or snowball search

- If you have found an interesting scientific article that you want to use in your work, you can start from that article to find more articles in the same subject.
- Look up the article in different databases to see which terms are used to describe the article, and then use these in your search.
- Look up references from the article
- More articles by this author



Quote search

[HTML] **Birth order** and **physical fitness** in early adulthood: Evidence from Swedish military conscription data

K Barclay, M Myrskylä - Social Science & Medicine, 2014 - Elsevier

Physical fitness at young adult ages is an important determinant of **physical** health, cognitive ability, and mortality. However, few studies have addressed the relationship between early life conditions and **physical fitness** in adulthood. An important potential factor influencing ...

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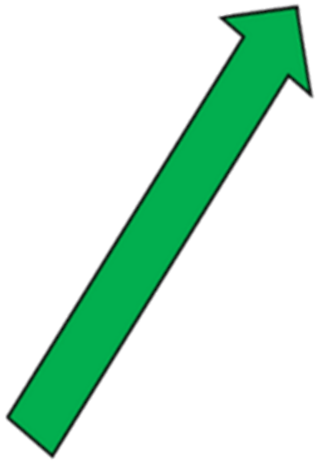


Search techniques

- **Truncation** (broadens a search)

  techni* gives technics, technique, techniques, technician

- **Phrase search** (narrows a search)

  “artificial intelligence”

- **Combination search**

  “Artificial Intelligence” **OR** AI (broadens a search)

  “Artificial Intelligence” **AND** librar* (narrows a search)

- **Field search** (narrows a search)

  for example specify that the title of the article should be in the field title of the article entry

Keyword search

Concepts that appear in title, abstract, subject word

Captures the author's own words, new concepts (+)

Finds studies that have not yet received subject words (+)

Tip! Easy to search in free text, but can give many irrelevant hits, the concept is peripheral in abstract (-)

Search with subject headings

Terms from thesaurus (hierarchical dictionary)

Describes the content of the article uniformly regardless of which terms the author has chosen (+)

May be too general or "out of date" (-)

Tip! Can only be used in subject-specific databases

An example of the search process

Will students' study results be affected by daily exercise?

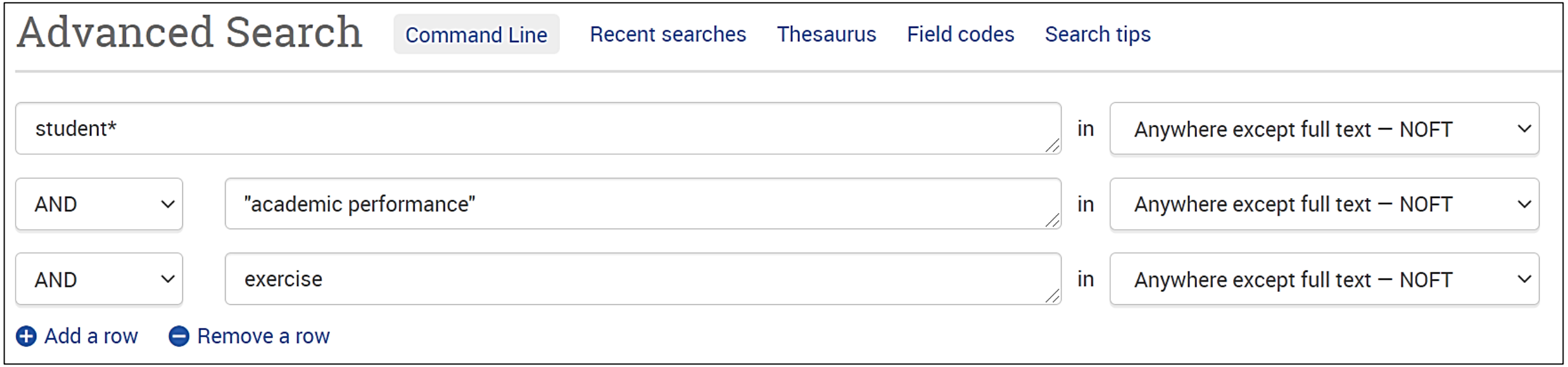
- student
- study results
- affect
- exercise

An example of the search process

Concept 1	Concept 2	Concept 3	Concept 4
student students	grades academic performance academic achievement academic success scholastic performance school achievement	affect influence	exercise motion sports do gymnastics physcial fitness physical activities

An example of the search process

An example of the search process



First search

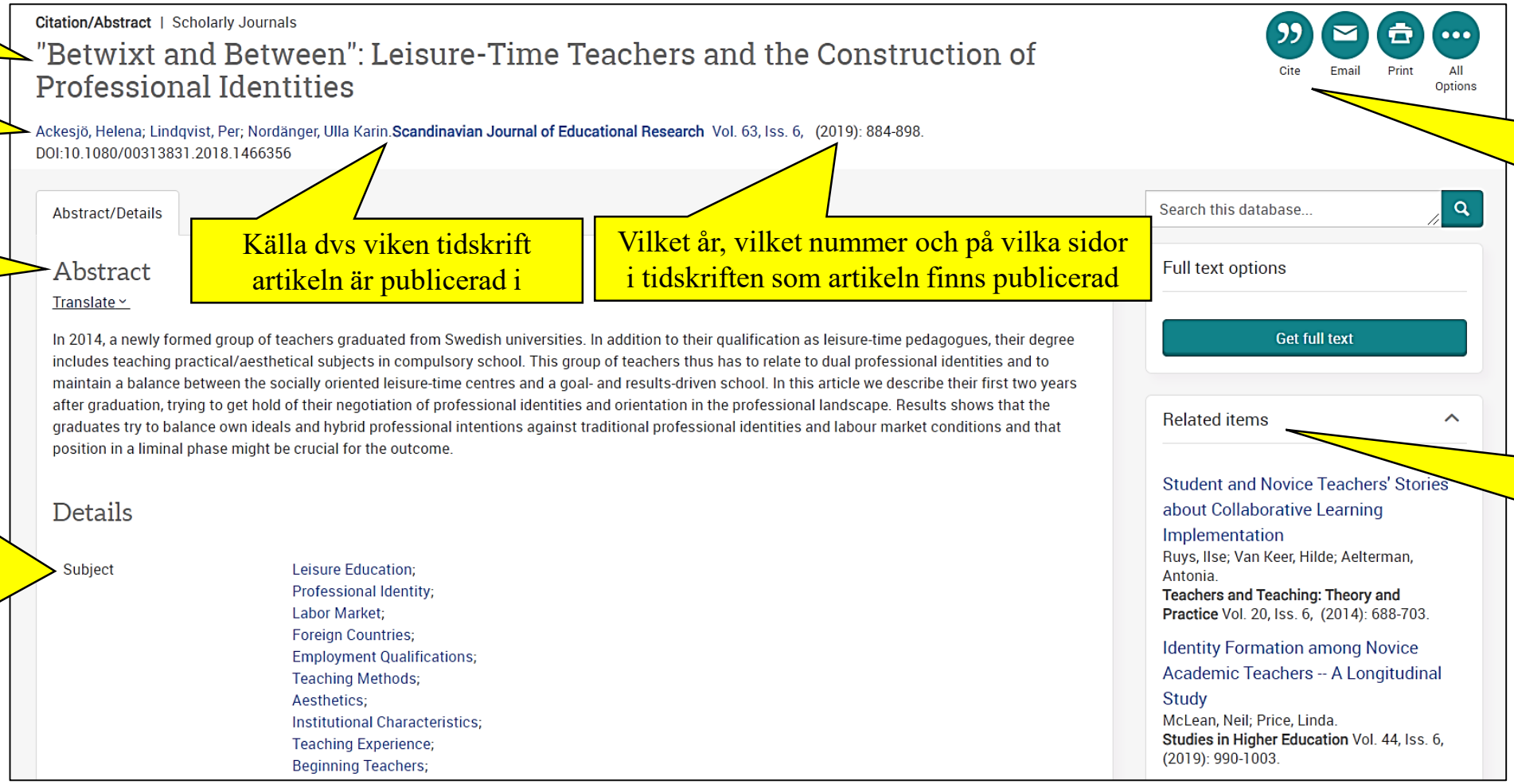
student* AND ”academic performance” AND exercise

An example of the search process

”Read” the article entries and look for words, concepts in these fields:

- Title
- Author
- Source
- Abstract
- Subject
- Related / Similar articles

En artikelpost i databasen ERIC



Citation/Abstract | Scholarly Journals

"Betwixt and Between": Leisure-Time Teachers and the Construction of Professional Identities

Cite Email Print All Options

Ackesjö, Helena; Lindqvist, Per; Nordänger, Ulla Karin. **Scandinavian Journal of Educational Research** Vol. 63, Iss. 6, (2019): 884-898.
DOI:10.1080/00313831.2018.1466356

Abstract/Details

Abstract

Translate

In 2014, a newly formed group of teachers graduated from Swedish universities. In addition to their qualification as leisure-time pedagogues, their degree includes teaching practical/aesthetical subjects in compulsory school. This group of teachers thus has to relate to dual professional identities and to maintain a balance between the socially oriented leisure-time centres and a goal- and results-driven school. In this article we describe their first two years after graduation, trying to get hold of their negotiation of professional identities and orientation in the professional landscape. Results shows that the graduates try to balance own ideals and hybrid professional intentions against traditional professional identities and labour market conditions and that position in a liminal phase might be crucial for the outcome.

Details

Subject
Leisure Education;
Professional Identity;
Labor Market;
Foreign Countries;
Employment Qualifications;
Teaching Methods;
Aesthetics;
Institutional Characteristics;
Teaching Experience;
Beginning Teachers;

Search this database...

Full text options

Get full text

Related items

Student and Novice Teachers' Stories about Collaborative Learning Implementation
Ruys, Ilse; Van Keer, Hilde; Aelterman, Antonia.
Teachers and Teaching: Theory and Practice Vol. 20, Iss. 6, (2014): 688-703.

Identity Formation among Novice Academic Teachers -- A Longitudinal Study
McLean, Neil; Price, Linda.
Studies in Higher Education Vol. 44, Iss. 6, (2019): 990-1003.

Artikelns titel

Författarna

Artikelns abstract

Källa dvs viken tidskrift artikeln är publicerad i

Vilket år, vilket nummer och på vilka sidor i tidskriften som artikeln finns publicerad

Referens till artikeln i olika stilar

Ämnesord som hämtats från databasens thesaurus för att beskriva innehållet i artikeln

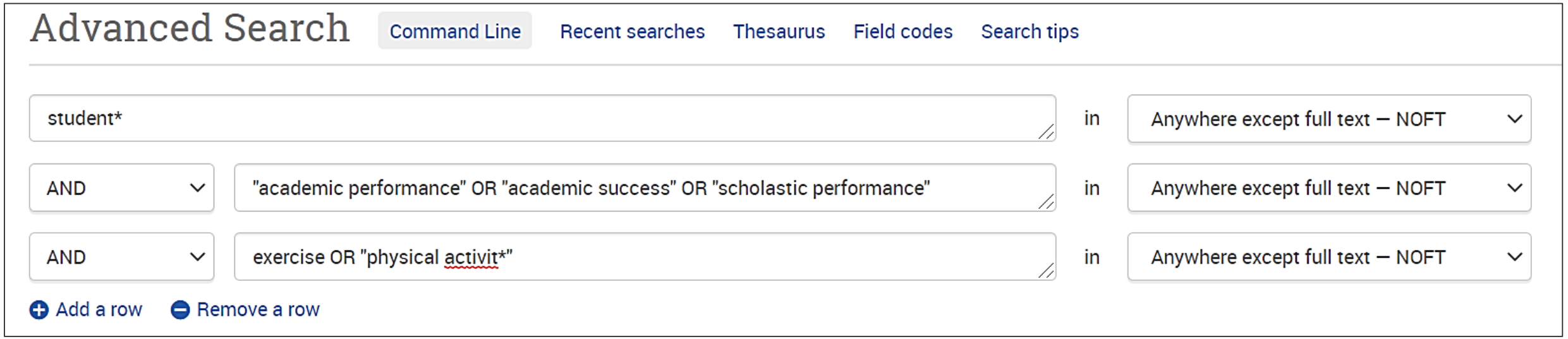
Artiklar som relaterar till artikeln

Mer information som går att läsa ut i artikelposten är bland annat följande:
Language of publication: English
Education level: Higher Education, Postsecondary Education
DOI: http://dx.doi.org.proxy.lnu.se/10.1080/00313831.2018.1466356
Document URL:http://proxy.lnu.se/login?url=https://www-proquest-com.proxy.lnu.se/docview/2461141745?accountid=14827

En lärresurs från Universitetsbiblioteket vid Linnéuniversitetet, ht 20

CC BY NC SA

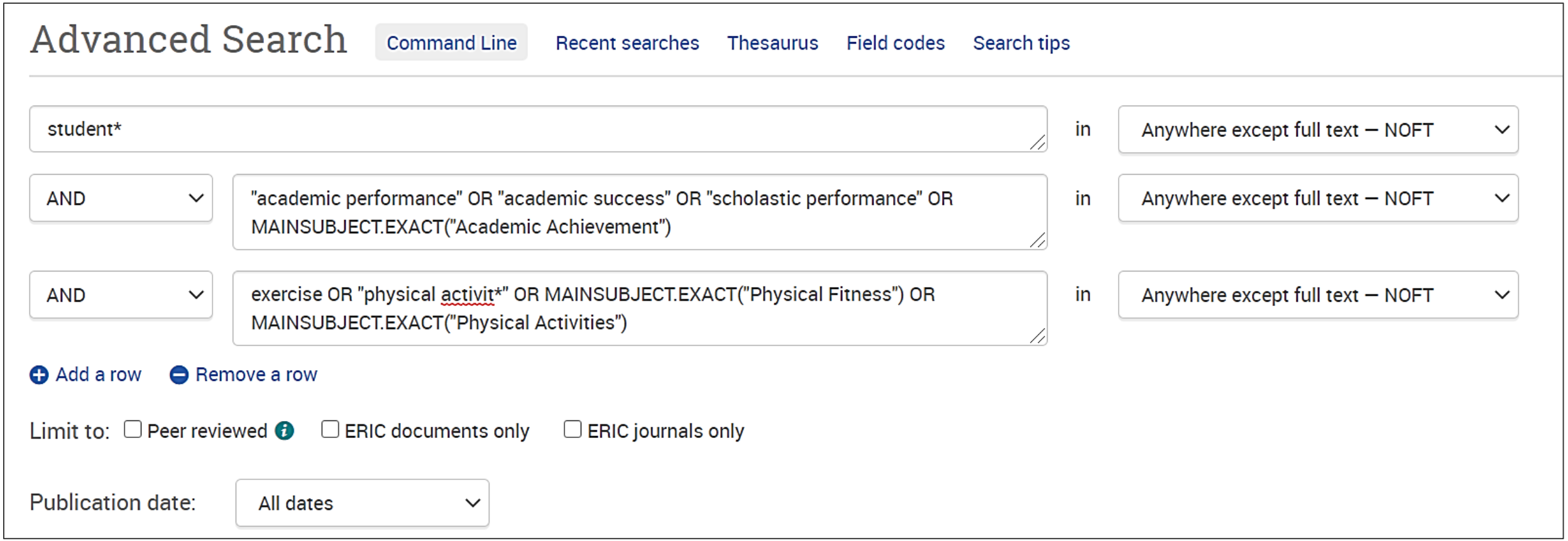
An example of the search process



Second search

student* AND ("academic performance" OR "academic success" OR "scholastic performance") AND (exercise OR "physical activit*")

An example of the search process



Third search
student* AND ("academic performance" OR "academic success" OR "scholastic performance" OR MAINSUBJECT.EXACT("Academic Achievement") AND (exercise OR "physical activit*" OR MAINSUBJECT.EXACT("Physical Fitness") OR MAINSUBJECT.EXACT("Physical Activities")

An example of the search process

Set	Search	Databases	Results	Actions
S5	noft(student*) AND ("academic performance" OR "academic success" OR "scholastic performance" OR MAINSUBJECT.EXACT("Academic Achievement")) AND (exercise OR "physical activit*" OR MAINSUBJECT.EXACT("Physical Fitness") OR MAINSUBJECT.EXACT("Physical Activities")) ✔ Limits applied	ERIC	372	Actions
S4	noft(student*) AND ("academic performance" OR "academic success" OR "scholastic performance" OR MAINSUBJECT.EXACT("Academic Achievement")) AND (exercise OR "physical activit*" OR MAINSUBJECT.EXACT("Physical Fitness") OR MAINSUBJECT.EXACT("Physical Activities")) ✔ Limits applied	ERIC	547	Actions
S3	noft(student*) AND ("academic performance" OR "academic success" OR "scholastic performance" OR MAINSUBJECT.EXACT("Academic Achievement")) AND (exercise OR "physical activit*" OR MAINSUBJECT.EXACT("Physical Fitness") OR MAINSUBJECT.EXACT("Physical Activities"))	ERIC	1,046	Actions
S2	noft(student*) AND noft("academic performance" OR "academic success" OR "scholastic performance") AND noft(exercise OR "physical activit*")	ERIC	279	Actions
S1	noft(student*) AND "academic performance" AND exercise	ERIC	117	Actions

An example of the search process

- Search history
- Create an account
- Document your search
  - When you did the search
  - Which databases and search services you used
  - Number of hits in each database
  - Which keywords and which search technique did you use
  - Which filters you used, such as peer reviewed, language or year.
  - How you made your selection of items

Different types of reviews

Rapid review, Scoping review, Systematic review, State-of-the-art review etc.

A typology of reviews: an analysis of 14 review types and associated methodologies (Grant & Booth) from 2009

https://onlinelibrary.wiley.com/doi/epdf/10.1111/j.1471-1842.2009.00848.x

Structured literature reviews – A guide for students

This is a step-by-step guide aimed at Master's students undertaking a structured literature review as part of their Master's thesis.

Karolinska Institutet | University Library

https://kib.ki.se/en/search-evaluate/systematic-reviews/structured-literature-reviews-guide-students

Databases

- ACM Digital Library
- IEEE Xplore

- OneSearch
- Libris
- Web of Science
- Google Scholar
- Scopus
- SwePub

More resources (article databases)

- DOAJ
- Lecture Notes in Computer Science
- SAGE Journals Online [OneSearch]
- Springer Link [OneSearch]
- Taylor & Francis [OneSearch]

https://lnu.se/en/library/search-and-evaluate/articles-and-databases/

Gray literature

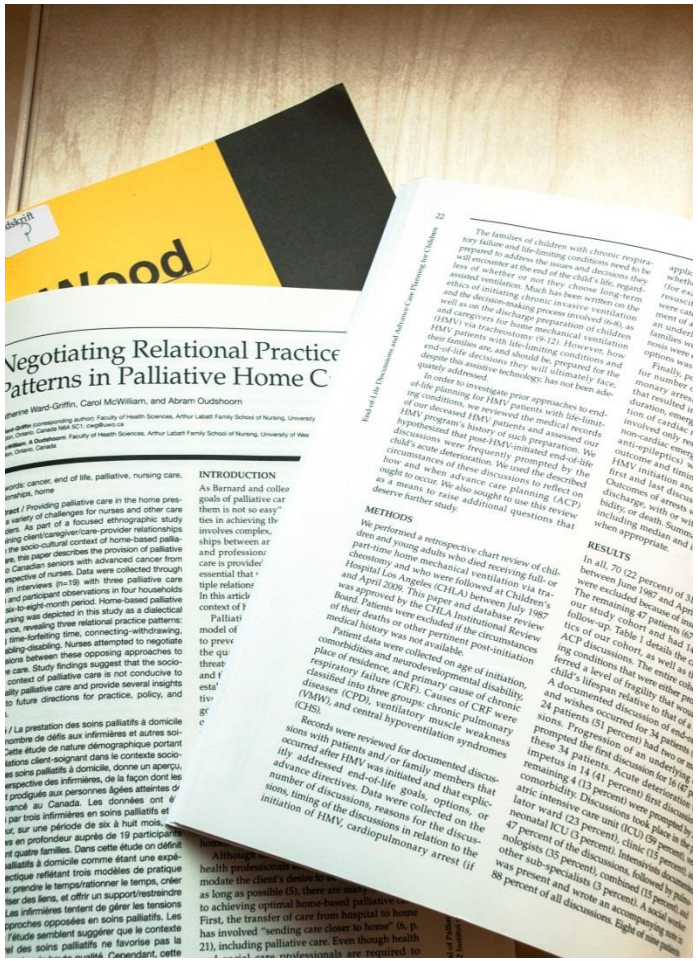
- Grey literature is a type of scientific information that is not formally published as articles in scholarly journals. It could be reports, dissertations, manuscripts, documentation, clinical guidelines produced by governments, universities and private companies.

Source: https://kib.ki.se/en/search-evaluate/grey-literature

Gray literature

- OpenGrey – European database including around 700,000 references: technical or research reports, doctoral dissertations, conference papers, official publications.
- OAlster – Search enginge covering more than 1,500 resources including 30 million of documents. Hosted by OCLC.
- Bielefeld Academic Search Engine (BASE) – One "of the world's most voluminous search engines especially for academic open access web resources", covering around 3,000 resources and more than 60 milllion documents, including several options for limits such as language, publication type and topic.

Is this academic?



Academic publications

- Dissertations
- Research reports
- Conference proceedings
- Academic specialist literature
- Scientific articles

About scientific articles

There are different kinds of academic articles:

- Original article – the research process and the results of empirical studies are described for the first time
- Review article – presentation of research results within a certain field, analysis and interpretation of different previously published studies

About scientific articles – structure and layout

An academic original article usually contains the following elements:

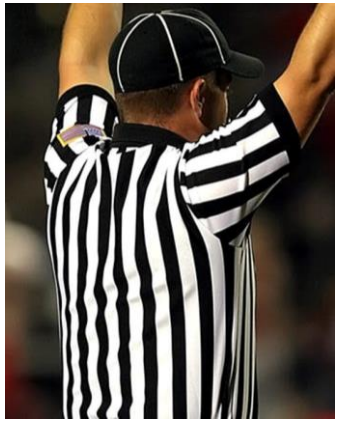
- Abstract – a brief summary of the article
- Introduction – background, the aim and issue of the article, previous research
- Method – the choice of quantitative or qualitative method is described
- Results – presentation of research results
- Discussion – interpretation and evaluation of the results with conclusions and connection to previous research
- References – all documents that have been used must be listed in the references

Scientific journal & Peer Review

The Peer Review process

An academic journal consults independent experts in a given subject, so-called referees, to review the academic value of an article before publication.

Among other things, they assess the choice of method, data analysis, and whether the results are probable. The subject experts decide whether the article should be accepted, revised or refused.



Check scientific status – use Ulrichsweb

In the database Ulrichsweb you can check whether a given journal practices ”peer review”.

If that is the case, it has a referee’s shirt attached to it as a symbol (with the description “refereed”).

Keep in mind that the information about peer review applies to the journal as a whole and does not guarantee that all articles in the journal are reviewed.

Conference proceedings

Definition:

A conference proceeding is the **published record of a conference, congress, symposium, or other meeting** sponsored by a society or association, usually **but not necessarily including abstracts or reports of papers presented by the participants**. When the entire text of the papers presented is included, the result is called transactions.

Short video in your courseroom about Conference Publication

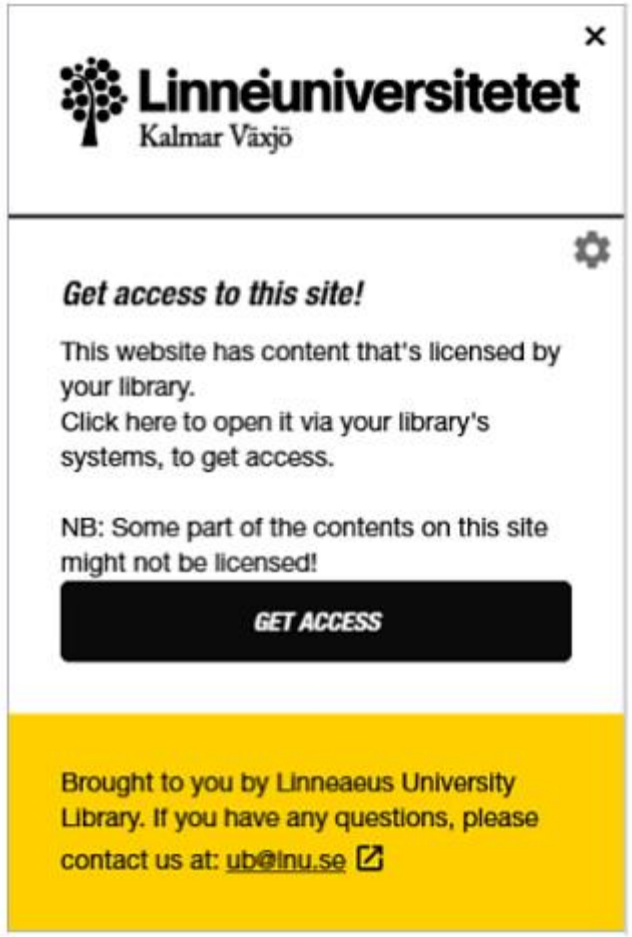
https://www.conference-service.com/conferences/index.html

https://conferencealerts.com/

Library access

Library Access is a plugin that you can download to your browser, which leads you directly to the entire article or the entire e-book if the university has access to the material.

The Library Access plugin will take you to the full text even when you are off-campus and whether you are coming through a Google search or have searched through a database or are using Google Scholar.



https://lnu.se/en/library/search-and-evaluate/searching-off-campus/

Interlibrary loan

- If you need books or articles that are not available from the University Library you can make a purchase suggestion or order an interlibrary loan.
- Please note that there is a fee for article copies and for loans from libraries outside the Nordic Region.
- Tip - always use Google Scholar and search for the article before you make a request for an interlibrary loan.

Referencing - reference management software

Referencing is an important aspect in academic texts. There are many different referencing systems to choose from. We have listed guides and manuals for the systems most commonly used at Swedish universities, along with information on copyright law and how to use other people's work without plagiarizing.

read more,

https://lnu.se/en/library/Writing-and-referencing/referencing/

Zotero is a free-to-use reference manager. The program has a wide number of features such as web browser integration, online synchronization, easy generation of text quotes, footnotes and bibliographies, shared reference libraries and integration with word processors.

- How to handle references in word/LaTex
- https://libguides.rhul.ac.uk/referencing/latex
- https://libguides.rhul.ac.uk/referencing/Zoterolatex

Drop-in academic support

End of the ”lecture”

- Questions / Exercises (individually)
- Try the links from the lecture
- Search on your own

- We can put you into breakout rooms, depending of your area of interest
  - Gray literature
  - Systematic reviews
  - Search techninques
  - Scientific materials
  - Databases