



## Introduction to information seeking

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## Today

- Science – what is it? How does it work?
- Plagiarism and References
- Information seeking
  
- Time for your to search for information

## Science

What is science?

- Existing research
- New knowledge in relation to the existing knowledge



## Science



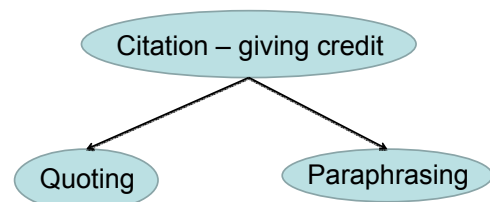
“If I have seen a little further it is by standing on the shoulders of Giants”

Isaac Newton (1676)

## Plagiarism

- When you are taking someone else's text or thoughts and letting the reader think that you wrote it.
  
- Doesn't matter where you're taking it from.

## Avoid plagiarism



<http://www.plagiarism.org/>

## References

- Always make a reference to the source you are using!
- All references should be listed at the end of your paper in the Reference list

## To search for information

Why do you need to learn how to search for information?

- get better results
- enhance the quality of your work
- save time (although it takes time)

## Before you start your search

What do you know?  
What do you want to know?



Your information need!



## Example: Information need

- Which gas station in Borås has the cheapest gas?
- What influence does the greenhouse effect have on the penguins?
- What is the topic of ISO 14000 series?



## The information seeking process

- Step 1: What information?
- Step 2: Which sources?
- Step 3: From need to terms
- Step 4: Search techniques
- Step 5: Examine and evaluate
- Step 6: Locate



## Step 1: What information?

- What information do you need
- What information don't you need
- Level of exposition
- Format
- Restrictions
  - Time
  - Language



## Step 2: From need to terms

- Which words can represent the need?
- Synonyms
  - walk, step, stride, stalk, pace, stroll, hike, trot
  - street, alley, avenue, boulevard
- Variants of spelling
  - color, colour
  - multi scale, multiscale
  - modeling, modelling

## Step 3: Which sources?

When you are choosing sources consider the questions you thought about in the first step.

Which subject? What format? What level?

**All these things matter!**

## Different kinds of sources

- Databases → (scientific) articles, conference proceedings (full text, reference / one discipline, multidiscipline)
- Library catalogue → books
- Internet → information in various formats



## Sources

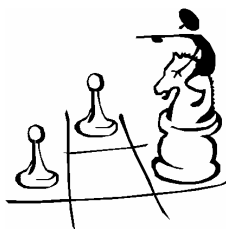
- You will find a lot of different sources at our web page

<http://www.hb.se/blr>



## Step 4: Search techniques

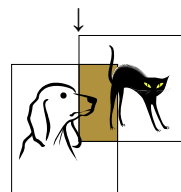
- Boolean operators
- Truncation
- Bibliographical post
- Search history



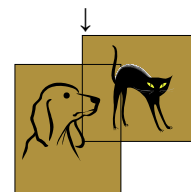
## Boolean operators

AND | OR

dog AND cat



dog OR cat



## Truncation

A way to get away from  
the problem with plural and singular

? \* \$

Helps you find all the variants of a word  
stem

## Truncation

econom\* → economic, economical,  
economics, economize,  
economy...

economic\* → economic, economical,  
economics

car\* → caramel, carat, carbohydrate, carbon...

## Bibliographical post

Holdings Full MARC

*Business dictionary : English-Swedish, Swedish-English : legal matters...*

Author: Hildorsson, Hans,  
Title: Business dictionary : English-Swedish, Swedish-English : legal matters, finance, economy, management, industry, marketing, advertising, photo, electronic production, printing, paper production /  
Publication type: Monografi  
Publisher: Helsingborg : Compertus, 2000

Location: Plan 2  
Shelf: 28(1) Hildorsson  
No. of items: 1

Click for status and map

Save Options  
Select Download Format:     
Enter your email address:    
Save results for later:

## Bibliographical post

Accession number: 0547840020

Title: Flexible technologies and smart clothing for chronic conditions, home healthcare, and disease prevention

Author: Aulia, Faris; Sundt, Perce; Momeni, Ghazi; Dubois, Nicolas; Muijen, Eric; Othou, Joelle

Author affiliation: Microsystems at Microsystemes Biomedicaux, INRA Lers, CHRS LPM, 8821 Villeurbanne Cedex, France

Serial title: IEEE Transactions on Information Technology in Biomedicine

Abbreviated serial title: IEEE Trans Inf Technol Biomed

Volume: v.8  
Issue: n.3  
Issue date: September 2005  
Publication year: 2005  
Pages: p.325-338  
Language: English  
ISSN: 1538-2721  
CODEN: ITBIDJ  
Document type: Journal article (JA)

Abstract: Improvement of the quality and efficiency of health care in medicine, both at home and in hospital, is becoming more and more important for patients and society at large. As many technologies (process technologies, telecommunication, low-power design, nanotechnology, and flexible sensors) are now available, new user-friendly devices can be developed to enhance the comfort and security of the patient. An clothes and textiles are in direct contact with about 90% of the skin surface, smart sensors and smart clothes with nanoscale sensors are an effective solution for home based and ambulatory health monitoring. Moreover, wearable devices or smart homes with accessories are also potential solutions. All these systems can provide a safe and comfortable environment for home healthcare, stress prevention, and chronic medicine. © 2005 IEEE.

Number of references: 62

Keywords: Smart clothing; Smart medicine

Uncontrolled terms: [Vibrant patterns](#); [Clothing](#); [Textiles](#); [Nanotechnology](#); [Smart medicine](#); [Smart clothes](#); [Smart fabrics](#); [Smart sensors](#); [Smart textiles](#)

Classification codes: [IEEE](#); [Biomedical Engineering](#); [IEEE](#); [Fiber Products](#); [IEEE](#); [Medicine and Pharmacology](#); [IEEE](#); [Health Care](#); [IEEE](#); [Biomedical Equipment, General](#); [IEEE](#); [Nanotechnology](#)

## Step 5: Examine and evaluate

- Can you determine the publisher of the information? Is the publisher reliable?
- Who is the author and what's the background of the author?
- Are the references specified?
- Is the information facts or the authors opinions?
- What's the authors purpose with the information?
- Are the facts in accordance with other sources?
- Does the publication feel reliable?
- How current is the information?

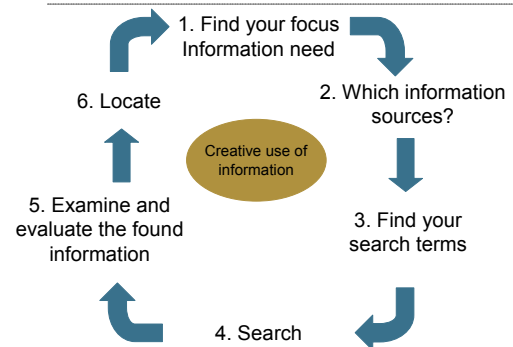
## Scientific articles

- The right format
  - Abstract and keywords
  - Introduction (purpose, problem, demarcations)
  - Method (qualitative, quantitative)
  - Results
  - Discussion
  - References
- Published in the right document type
- Peer-review
- Accessibility

## Step 6: Locate

- Find the book or journal in the shelves of the library
- Find electronic articles through SFX
- Interlibrary loan

## The process



## Introduction to information seeking

The presentation is available on  
[www.adm.hb.se/~kak](http://www.adm.hb.se/~kak)