Welcome! Nau mai haere mai!

Strategic advanced searching for postgraduates

March 2019

Before the webinar begins, please:

Make sure your microphone is muted:

Introduce yourself and your area of study using the Chat feature in the right hand panel:

If you don’t see the right hand panel, click this button:

During the webinar, please use the Raise hand button if you wish to talk with your microphone, or use Chat to ask questions.

Handout for this webinar is at: https://aut.ac.nz.libguides.com/findinginfo/LRSworkshop

Thank you!

Emma and Emma
Strategic advanced searching for postgraduates

Semester 1 2019
Workshop outline

• Introductions

• Lecture and follow along
  • Where to search - key resources and databases
  • What techniques - keywords and advanced search strategies
  • Database features
  • Ways to manage searches - options with referencing software
  • Accessing non-AUT Library material

• Questions and summing up
Goals today

By the end of this session, we aim that you will be able to:

• Plan and modify searches
• Identify relevant databases for your research
• Recognise useful features of databases
• Identify ways to manage searches and references
• Confidently access materials from beyond AUT Library
Welcome to the Library!

What are you researching?
Searching is about finding entry points
Jump from one source to another
## Entry points: key resources to consider

<table>
<thead>
<tr>
<th>SCOPE</th>
<th>Google</th>
<th>Google Scholar</th>
<th>Multi-disciplinary databases</th>
<th>Subject specific research databases</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Very broad. Includes images, reports, legislation, websites</td>
<td>Academic. Books, articles, theses, pre-prints</td>
<td>Broad, academic. May include images, video, articles, books</td>
<td>Academic. Specific to subject.</td>
</tr>
<tr>
<td>ACCESS</td>
<td>Open web</td>
<td>Open web <em>OR Library website</em></td>
<td>Library website</td>
<td>Library website</td>
</tr>
<tr>
<td>ADVANTAGES</td>
<td>• Easy to use</td>
<td>• Easy to use</td>
<td>• In-depth coverage across multiple databases</td>
<td>• In-depth coverage</td>
</tr>
<tr>
<td></td>
<td>• Many useful materials</td>
<td>• Access a wider range of research literature</td>
<td>• Full-text</td>
<td>• Subject specific</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Scholarly/peer-reviewed</td>
<td>• Full-text</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Metrics</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Scholarly/peer-reviewed</td>
</tr>
<tr>
<td>DIS-ADVANTAGES</td>
<td>• May not be reliable</td>
<td>• Many hits</td>
<td>• Subscription databases - relies on publishers’ platforms and access</td>
<td>• Publisher’s platform and does not include other publishers works</td>
</tr>
<tr>
<td></td>
<td>• Incredible volume</td>
<td>• Have to pay for articles if not accessed through Library</td>
<td></td>
<td>• May have specialist search procedures</td>
</tr>
<tr>
<td></td>
<td>• Need knowledge of key websites</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Choose keywords

**Example topic:** Discuss the interrelationships between climate change and poverty in developing countries

<table>
<thead>
<tr>
<th>CLIMATE CHANGE</th>
<th>DEVELOPING COUNTRIES</th>
<th>POVERTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>climate change</td>
<td>developing countries</td>
<td>poverty</td>
</tr>
<tr>
<td>global warming</td>
<td>developing nations</td>
<td>privation</td>
</tr>
<tr>
<td>climate policy/policies</td>
<td>third world</td>
<td>deprivation</td>
</tr>
<tr>
<td>environmental policy/policies</td>
<td>Pacific nations</td>
<td>poor</td>
</tr>
<tr>
<td>rising sea levels</td>
<td></td>
<td>indigence/indigent</td>
</tr>
</tbody>
</table>

*Thesaurus.com* is a good source for finding synonyms.
Childhood diabetes

- Treatment protocols
  - Interventions
    - Assessment
      - Identification
    - Diagnosis
    - Interpretation
    - Analysis
    - Reflection
  - Modes of inquiry
    - Qualitative
    - Quantitative
    - Mixed methods

- Why
  - Type 1
  - Type 2

- What
  - Definition
    - Type 1
    - Type 2
  - Symptoms
  - Aetiology
  - Treatment
  - Issues
  - Guidelines

- Education
- Awareness
- Prevention
- Influences
- Guidelines
- Differential diagnosis
- Management
- Type 1
- Type 2

- Where
  - Manukau
  - Aotearoa New Zealand
  - Australasia
  - Pacific Rim
  - Developed world

- When
  - 2018

- Key developments
  - Time-frame: onset
  - Treatment duration
  - Future implications

- Why
  - Capacity
  - Genetic predisposition
  - Healthcare practitioners
  - Family/whanau
  - Age
  - Ethnicity
  - Socio-economic background
  - Gender
Entry points: keywords for topic searching

• Use your own knowledge or talk to others about synonyms/similar words or alternative ways of describing your topic
• Make a **mindmap**
• **Credo Reference** database will generate a mindmap – example:
Entry points: keywords for topic searching

• Some databases will generate suggestions for related topics as you type

Example: Business Source Complete
Finding more keywords or subject terms...

...records in your results can give more words describing your topic – these are official subject terms and author descriptions...
Techniques with search terms

- **Phrase search** – “artificial intelligence”

- **Truncation** - educat*

- **Boolean** - AND, OR, NOT operators

- **Wildcards** – Immuni?e

- **Proximity search** - “global warming w/8 Pacific”

- **Nested searching** - (“Global warming” OR “climate change”) AND (poverty OR deprivation)

**TIP:**
Check the Help function in a database to see what techniques it supports.
Boolean searching – joining concepts logically

Use **AND** to link concepts together
– narrows your search

Use **OR** to group synonyms or equivalent search terms
– broadens your search
Wildcards

Wildcard searching will look for words with slightly different spellings (some databases).

- e.g. Immunise or Immunize → Immunise

**TIP:** Database search tips will tell you which symbol to use
Some databases have proximity searching which will look for words close to each other.

e.g.

- **W/n** = Words are within *n* number of words apart, in any order
  
  “global warming” W/5 pacific

  (retrieves global warming in the Pacific and also Pacific nations face effects of global warming)
Nested Boolean searches

More complex searches can nest Boolean searches using parentheses:

("climate change" OR "climate policy" OR "global warming")
AND (poverty OR deprivation)

("third world" OR (developing AND (nation* OR countr*)))
AND polic* AND ("climate change" OR "global warming" OR "sea level" OR "sea levels")
Adapting your search

Too many results... or not enough?

<table>
<thead>
<tr>
<th>Narrow</th>
<th>Broaden</th>
<th>Exclude</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Add more terms using AND</td>
<td>• Add similar terms using OR</td>
<td>• Use NOT for unwanted concepts</td>
</tr>
<tr>
<td>• Use proximity searching – check database tips</td>
<td>• Remove phrase searching</td>
<td>• Use proximity operators – check database tips</td>
</tr>
<tr>
<td>• Search within specific fields</td>
<td>• Drop less important terms</td>
<td>• Find terms in the subject field</td>
</tr>
<tr>
<td></td>
<td>• Expand your fields to full text search</td>
<td>• Consider different search tools</td>
</tr>
<tr>
<td></td>
<td>• Try additional resources</td>
<td></td>
</tr>
</tbody>
</table>
Searching is an iterative process
## Managing the search – a search grid

<table>
<thead>
<tr>
<th>Terms used</th>
<th>Database</th>
<th>Limits/refiners</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>facebook, students, impact</td>
<td>Library Search</td>
<td>Date 2016-2018 Subject: higher education, education</td>
<td>341 results - too broad but Khan (2016) article may be relevant (saved in pdf folder)</td>
</tr>
<tr>
<td>facebook AND students</td>
<td>Scopus</td>
<td>Date 2016-2018 Searching only within title, abstract and keywords</td>
<td>176 results – Dubey (2018) and Bugawy (2018) look relevant (saved in pdf folder)</td>
</tr>
<tr>
<td>facebook AND education AND &quot;tertiary students&quot;</td>
<td>Scopus</td>
<td>Searching only within title, abstract and keywords</td>
<td>7 results 2012-2018. All relevant.</td>
</tr>
<tr>
<td>facebook education &quot;tertiary students&quot;</td>
<td>Library Search</td>
<td>Date 2016-2018</td>
<td>46 results. Dhir (2017) may be relevant</td>
</tr>
</tbody>
</table>
Example search in Scopus

Video: *Putting Together your Search Terms* (link in handout)
https://youtu.be/pk9O-856A4Q

**Search**
"Climate change" OR "global warming"

*Example: "heart attack" AND stress*

AND
Search
poverty OR privation

AND
Search
"developing countr**"

❯ Limit
Questions?

• Do you have databases you use regularly?

• Reflect on these via chat

• Do you want us to show another database?
Evaluating Information – the TRAAP model

Timeliness
Relevance
Authority
Accuracy
Purpose
Timeliness

When was it published?
Is the date appropriate for my research?

13th Century

2010
Relevance

Does the information actually address my topic?
Does it support the point you want to make?
Is it at the right level?
Authority

Who wrote this?
Who published this?
Do they have any relevant credentials/qualifications?

Tom Cruise, actor

Stephen Hawking, PhD
Accuracy

Is the information correct?
Is it supported with evidence and/or references?
Are there errors in spelling or grammar?
Purpose

Who is the target audience?
Is the content scholarly or popular?
Is it there to entertain, inform, educate or sell?
Managing search results
Database features

• Search history
• Alerts
• Citations
• Citation tracking (who has cited)
• Saving searches
• Publication impacts
• Authors’ other works
• Export to reference manager
• Email to self
• Are there other features you use?
Use database features

• Register in the database to save searches, get alerts on searches, etc

• This is not your AUT logon

• Main database providers are Elsevier, EBSCO, Clarivate, Proquest
Reference managers

• Export your references to a reference manager such as EndNote, Zotero or Mendeley
• Attend a workshop to learn more
Requesting resources
https://library.aut.ac.nz/i-need/an-interlibrary-loan

- **Request it** – for books from other Campuses or if the book is currently checked out

- **Bonus +** – for books from other Universities

- **ArticleReach** – for journal articles

- **Interlibrary loans** – for hard to find books and articles
Theses and dissertations
https://aut.ac.nz.libguides.com/theses

Find Theses and Dissertations: Find AUT theses/dissertations
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Tuwhera Open Theses & Dissertations
Tuwhera Open Theses & Dissertations provides open access to AUT’s doctoral theses, master’s theses, dissertations and exegese since 2007 and a number of pre-2007 theses and dissertations.

• nzresearch.org.nz for thesis and dissertations from all New Zealand Universities
• Proquest Dissertations and Thesis Global
Searching – practice for later

1. Spend a few minutes planning a search on your own topic. Use the suggested search plan template (handout).
2. Write down your topic, where you will search, what terms you will use. Form a search using one or more techniques.
3. Choose a database in your subject area. Do a search with your strategy. Evaluate the results.
4. Experiment with emailing or saving a search result to folder, or exporting to a reference manager if you use one.
Support for postgraduates

• Online “Assignment help”
• Keeping up to date, referencing, EndNote workshops
• Research Students Peer Groups
Further help

Your Liaison Librarian
https://library.aut.ac.nz/for-lecturers/liaison-librarian-services
Questions?
References


References cont...


• **Slide 25:**


• **Slide 26:**


• **Slide 27:**


All the best with your studies!