Outcomes

Finding information
• Locating reliable sources
• Library databases

Managing information
• Finding full text papers and reports
• Reference managers (EndNote)
Discussion

Where do you currently find information for your research? What do you use?  Reports, websites, articles ...

• Group discussion
• Share your sources
Current literature on your topic

• Support your research with academic writing
• Reports include a literature review
• Compare the project or topic you are researching with similar work
• Read widely to fully understand the topic
Academic and peer-reviewed articles

What is a peer-reviewed article?

https://youtu.be/8xHUDaKmN8E
Library databases

Library Search

A search engine that searches some of the subscription databases we have access to. The search is not always the most efficient way to find information.

Subscription multi-disciplinary databases

These are the best places to search. They contain academic, peer-reviewed information essential in supporting your research.

Examples: Scopus, Business Source Complete, Emerald Insight
Google Scholar

- Google will provide reports and other papers on your topic. *Beware! These may not reliable or not peer-reviewed. Check using the CRAAP test.*

- Use Google Scholar [from the Library homepage] to access 'scholarly' articles.

- Google Scholar [from the Library homepage] has been set up to access full text from Library databases.

- Google Scholar will give you a greater number of results. It searches for papers, reports, books and many other information source types. Refine your search.
Google Scholar (from the Library homepage)
Scopus

A multi-disciplinary, abstract and indexing service with links to full text paper in academic databases.

“Scopus delivers the broadest overview of global, interdisciplinary scientific data and literature, across all research fields.”

https://www.elsevier.com/solutions/scopus/how-scopus-works/content
Business Source Complete

• Full-text and peer-reviewed business journals
• An essential tool for business students
• It covers business, including marketing, management, accounting, banking, finance and more
• Includes some magazines and newspaper articles
• A good source for project management
Non-academic sources

Check the Library Guide https://aut.ac.nz.libguides.com/engineering_masters/home

- Government reports – government websites, local councils, organisations
- Newspaper articles – online papers, Newztext
- Statistics – Statistics New Zealand
- Company reports – NZ Companies Office, NZX, company websites
Request information the Library does not have

- Bonus+ for books
- ArticleReach for articles
- InterLibrary Loan Service to request items not available Bonus+ or ArticleReach
- Library guide
- AUT theses
Search strategies

Boolean searching

Boolean searching allows you to:
- Include synonyms or alternative terms
- Create concept sets
- Combine the sets in your search
- Uses connectors AND OR and NOT

Most databases have guidance on the connectors they support. Look for ‘help’ or ? on the search screen.

Start with your concepts or keywords.
Example:

<table>
<thead>
<tr>
<th>Set 1</th>
<th>Set 2</th>
<th>Set 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>“green building*”</td>
<td>Sustainable*</td>
<td>”energy efficiency*”</td>
</tr>
<tr>
<td>&quot;intelligent building*&quot;</td>
<td>&quot;energy conservation&quot;</td>
<td>&quot;energy utilization&quot;</td>
</tr>
<tr>
<td>“building design”</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Boolean searching

Combine sets

("green building*" OR "intelligent building*" OR "building design")
AND
(sustainab* OR "energy conservation")
AND
("energy efficiency*" OR "energy utilization")
Searching

Your turn - try some keywords in GS or a database.

Example:
"green building*"
sustainab*
"energy efficiency"**

Record your search

<table>
<thead>
<tr>
<th>Database</th>
<th>Search</th>
<th>Number of relevant results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Google Scholar</td>
<td>“green building*” sustainab* “energy efficiency*”</td>
<td>43,100</td>
</tr>
<tr>
<td>Scopus</td>
<td>&quot;green building*&quot; AND sustainab* AND &quot;energy efficiency*&quot;</td>
<td>666</td>
</tr>
<tr>
<td>Business Source Complete</td>
<td>&quot;green building*&quot; AND sustainab* AND &quot;energy efficiency*&quot;</td>
<td>465</td>
</tr>
</tbody>
</table>
Managing the information

• Check relevant articles for other keywords and references
• Record your searches and keywords – make notes
• Find the publications of experts in your field
• Download the pdf articles and save to a folder
• Use a reference manager e.g. EndNote
• Attend more workshops
Help!

Come to other workshops:
https://library.aut.ac.nz/library-workshops

Make an appointment to discuss your research with Anna
anna.matich@aut.ac.nz or on Teams

Ask a Librarian on the Library website