An introduction to the James Hardiman Library

Mike Smalle
Academic Skills Librarian
NUI Galway Library
Learning Outcomes:

By the end of this session you will:

☐ Be familiar with library resources and services
☐ Be able to use library guides to identify sources for your assignment
☐ Be introduced to databases to find peer reviewed scholarly articles
☐ Be able to use Google Scholar to find information
Databases

- SCOPUS
- Science Direct
- Web of Science
- Access Science
- Proquest Theses
- Nexis – Newspaper Database

- IEEE
- ACME
- Business Source Complete
- Academic Source Complete
Access Science

• Online version of McGraw-Hill Encyclopaedia of Science and Technology

• Good starting point for background research

• Search for definitions, reviews, biographies
Scopus

- Scopus is an online abstract and indexing database
- Browse or Search by Subject, Author etc.
- Multidisciplinary
- Find Cited by
IEEE Xplore

• IEEE journals & magazines
• IEEE Conferences
• IEEE Standards
• IET conferences, journals & magazines
• Small collection of eBooks
Academic Source Complete

- Mostly full text multidisciplinary
- Scholarly journal articles and textbooks
- Trade publications, magazines, newspapers
1. Access Google Scholar through the library catalogue

2. Click on database

3. Click Here

4. Click Settings
5. Click library links

6. Type NUI Galway into search box

7. Click Save
How do I access databases?

One quick way to access databases is to go to the library guides and tutorials. There you will find a list of the databases. Note: You can also search the library catalogue directly for databases.
Welcome to the library guide for Engineering & Informatics. This guide will help you find the books, journals, and other information you need for your work.

Using this Guide
This introductory guide provides information on key sources for the College of Engineering and Informatics, including:
- where to locate books, ebooks, and journals
- key databases to search for material
- useful websites
- tools to manage your references
- librarian

School of Engineering & Informatics

Let's Build Something Amazing

Introduction

Search our Catalogue

Search

Databases Explained

A database is an organised collection or index of published data. Databases are a key resource for study or research. The Library provides access to hundreds of databases in order to make it possible for students and academics to find out what has been published on a topic.

- Some databases are multidisciplinary and index items across many subject areas.
- Some databases are subject specific and index materials from a specific subject or discipline.

A full list of Engineering Databases

- ASME
- Compendex (EI Village 2)
- IEEE Explore
- ScienceDirect
- Scopus
- Synthesis Digital Library of Engineering and Computer Science
- Web of Science Core Collection
- Emerald Innovations Index
- Espacenet

Download the guide:

Academic Library Services

Twee
Using Boolean

Boolean is pure mathematical logic which you can use in databases, and Google too, to help get the results you need. Boolean works by linking, or excluding, the words we are searching, which means you have greater control. See the image below; the highlighted areas of the overlapping circles show you what the database will search for you, and also what it will exclude!

Try it in a database and compare the results.
How are learning analytics shaping the roles of teachers and/or learners?

<table>
<thead>
<tr>
<th>Learning Analytics</th>
<th>Teachers</th>
<th>Learners</th>
</tr>
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<tbody>
<tr>
<td>Learning Analytics</td>
<td>Teachers</td>
<td>Learners</td>
</tr>
<tr>
<td>OR Data analytics</td>
<td>Teach*</td>
<td>Learn*</td>
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<tr>
<td>OR Big Data</td>
<td>Teaching</td>
<td>Learning</td>
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<tr>
<td>TRUNCATION</td>
<td>Educat*</td>
<td></td>
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</tbody>
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Teach* = This will search for teacher/teach/teaching etc.
Educat* = This will search for education/educated etc.
How are learning analytics shaping the roles of teachers and/or learners?

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(“learning analytics” or “data Analytics” or “big data”) AND (teach* OR educat*) AND (Learn*)
Searching in **Scopus**

**Exact phrase:**
{oyster toadfish}

**Loose phrase:**
"heart attack"
where heart and attack are adjacent to each other.

**Wildcards as characters:**
{health care?}
returns results such as: Who pays for health care?

"criminal* insan*"
Asterix: finds criminally insane and criminal insanity.

**Proximity operators**
pain W/15 morphine
finds articles in which "pain" and "morphine" are no more than 15 terms apart

"behavioural PRE/3 disturbances"
finds articles in which "behavioural" precedes "disturbances" by three or fewer words.
Group Work
Phone: (091) 49 3399
Email: library@nuigalway.ie
Facebook: nuiglibrary
Twitter: @nuiglibrary
Instagram: nuig.library