Databases and catalogs for finding statistics and data science literature

These are general tools for finding scholarly literature about data science and statistics. Different tools cover different types of research outputs like books, articles, pre-print articles (that haven't been peer-reviewed yet), or conference proceedings. Databases and catalogs often include overlapping content, but each will also have unique content.

IMPORTANT

Please also look at the **Data Science LIbrary Guide** and **Statistic Library Guide** for more targeted databases for each discipline.

- InfoHawk+
  This is the UI Libraries catalog. Search it to find articles, books, electronic journals, databases, and much more.

- MathSciNet [�?] 🔒
  Providing Web access to reviews and citations from Mathematical Reviews and Current Mathematical Publications, MathSciNet covers the literature of mathematics and related areas back to 1940.

- Scopus
  Scopus is a citation database of peer-reviewed scientific journals, books and conference proceedings.

- Web of Science
  Another citation database of peer-reviewed scientific journals, books and conference proceedings.

- WorldCat [�?] 📱 🔒
  A bibliographic database of over 62,000,000 records from over 2,000 libraries around the world.

If you are **off campus** and the link to an article does not work, try pasting the link into the proxy generator below to get an enhanced link which should work from anywhere.

If you find a record for an article or book but it doesn't have a full text link, you ask the libraries to get it from a different library for you using i**nterlibrary loan**.

- Data Science Library Guide
- Statistics Library Guide

Proxy Link Generator

1. Copy and paste your source URL here:

2. Click this:

Create link

3. Copy and use the resulting link:

Link Google Scholar to UI Library subscriptions

You can use UI Link in Google Scholar! UI Link will help you find full-text PDFs for articles in UI's databases, or connect you with Inter-Library Loan, so you never have to pay for an article. Here's how:

1. Click on "Settings" near the top of the page.

2. Select "Library Links" from the left-side menu of the Settings page:

Scholar Settings

Search results   **Collections**
Languages
Library links   ◉ Search articles (☑ include patents).
Account   ○ Search case law.
Button

Results per page

10 ⇕   Google's default (10 results) provides the fastest results.

3. Search for the University of Iowa and select it from the list of libraries that comes up. (You can choose up to 5 libraries!)

Show library access links for (choose up to five libraries):

university of iowa   🔍

e.g., *Harvard*

☑ University of Iowa - ViewIt@UILink
☑ Open WorldCat - Library Search
☐ Iowa State University - ViewIt@ISU
☐ Iowa State University - Get It@ISU
☐ Iowa State University - Get It@ISU
☐ University of Northern Iowa - Find it! @ UNI
☐ University of Northern Iowa - Find it! @ UNI
☐ Clarke University - Clarke University Library
☐ University of Northern Iowa - Cengage Gale Full Text

4. Save your settings!

5. Now, when you search Google Scholar, "ViewIt@UILink" will appear next to articles that University databases have access to. Click the link and follow the prompts to your article.

[HTML] A simple linear **algebra** identity to optimize large-scale neural network quantum states   [HTML] nature.com
ViewIt@UILink
R Rende, LL Viteritti, L Bardone, F Becca... - Communications ..., 2024 - nature.com
... In this work, we first use a simple relation from linear **algebra** to show, in a transparent way, that SR can be rewritten exactly in a form which involves inverting a small M × M matrix (in ...
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