

## Library Research Services

Check out our range of workshops, advisory services and resources to facilitate your research and discovery!

**PLANNING:** Provide support in locating published research, key information about copyrights and data management plan writing

### Literature and systematic search

Librarians from the [Advisory and Consultation team](#) will help you with your literature search for your assignment, project or research by email and/or face-to-face. The services include:

- Identify search terms and develop effective search strategies that can assist you in defining your topic
- Recommend relevant databases and search engines
- Find relevant sources such as books, journal articles, conference papers, market reports, data or other types of materials for your research.

### Data sources/datasets acquisition consultation

Librarians provide advisory and referral service for [acquisition of data sources](#) or alternatives.

### Data management planning

According to the [NTU Research Data Policy](#), all research proposals must include a data management plan (DMP) that records the intention on how research data arising from the research project will be managed, used and shared. NTU Library provides guidance via the [RDM Guide](#) and conducts [DMP workshops](#) for PIs and/or their delegates who would like more help in the writing of their DMPs.

### Copyrights and licensing guidance

Instructional and consultation services for using third-party copyrighted materials in teaching, learning, and publishing. General information on copyright can be found at [Copyright and Licensing](#).

### Information research and management seminars

The [seminars](#) aim to provide all new PhD and Masters by research students with a strong foundational knowledge of current resources, tools, methods, and practices in undertaking research in a digital environment. The 3-hour seminar is compulsory and to be taken within the first year of study.

### Digital Scholarship workshops (text mining, data cleaning, GIS, infographics and more)

In the age of Big Data and open source movement, there are a number of free and powerful digital tools and online research networks which one could leverage on to boost research productivity. Check out our workshops and [LibGuide](#) to find out more.

**MANAGING:** Library provides advice and support on managing references, content and explore digital tools for data analysis and visualisation; provides advice and support on research data management best practices.

### **Develop digital portals/website for managing content**

Sharing research is an important part of the scholarly process. A popular way is to [create a research website](#) to make your collection of images, videos or audio materials more easily discoverable by others. You can tap on blogs@NTU where you could simply choose from the slick design templates provided or collaborate with our in-house web designers to customise your website.

### **Advisory on digital tools and data visualisation**

It is important to create effective visualisations to communicate the results of your research succinctly and persuasively. Join us at [Digital Scholarship workshops](#) to "tell stories with your data" and learn about cleaning data using OpenRefine, data visualization with Tableau and how machine learning and text mining can open up new possibilities for your research projects.

### **Reference management/document preparation workshops (EndNote, Mendeley, Zotero and LaTeX)**

Reference management programs/document preparation system provide many useful features that can help you with your research such as: a) storing and organising your references; b) generating citations and bibliographies in your preferred style; and c) high quality typesetting.

NTU Library supports a variety of [Reference Management Software](#) and give you tips on how to make the most out of them.

### **Research data management best practices**

Research data management e-learning course comprises four modules that cover the data lifecycle, handling sensitive data and benefits of good data management.

### **Managing Academic Profile**

Enhance the discoverability and accessibility of your research output through the [Academic Profile](#).

**PUBLISHING:** Provide support in disseminating your research to a broader audience; you could seek advisory on scholarly publishing such as which journals to publish in, content hosting, DOI minting, open publishing, peer review, and more.

### **Hosting open access journals/conference papers**

The Library provides various platforms to [host](#) and present your journal or conference proceedings for open access.

### **DOI minting for papers and higher degree theses**

Papers deposited in [DR-NTU](#) without DOIs will be assigned one upon request, at no charge. Higher degree theses deposited into DR-NTU will each be assigned a [DOI](#).

### **ISBN/ISSN registration for new books and journals**

If you are planning to publish a book or start a journal, we can help with the [ISBN/ISSN registration](#).

### **Get credit for your research outputs using Authors IDs**

Library recommends the use of [author identifiers](#). To get credit to all your research output, you need to connect all your research output published under different variations of your name or different institutions. Having an author identifier is useful for author name disambiguation. Commonly used Author IDs are ORCID, Publons (ResearcherID), Scopus Author ID and Google Scholar Profile.

Singapore funders are requiring [ORCID](#) for grant applications. NTU is looking into the use of ORCID as a means to identify research outputs at the individual researcher level. The Library provides advice in the creation, configuration and use of ORCID iDs.

**IMPACTING:** Provide advisory in tracking and demonstrating the impact of your research within and outside academia.

### **Generate citation reports for Promotion & Tenure exercises**

Library provides citation reports for P&T candidates to incorporate into their dossiers upon requests from individual candidates and schools.

### **Enhance your research impact in academia and beyond**

Advisory/ Workshops to provide useful tips and good practices to facilitate boosting your research profile, and evaluate your research impact for P&T purpose, self-assessment, grant application and contract renewal purposes.

In addition to traditional metrics to measure [research impact](#), there are altmetrics tools that can be used to track and measure your research impact beyond academia.

### **Set up physical and online showcases**

Occasionally researchers put up exhibitions of their research in the library. These physical [exhibitions](#) can be curated, digitised and made available online so that the content is preserved and more people could access it conveniently via the internet.

**ARCHIVING:** Library provides advice and support in the archival and sharing of reports, theses, research papers and research data.

### **Deposit papers and higher degree theses in DR-NTU for open access**

Deposit the accepted versions of your journal/conference papers, PhD and Masters by research theses in [DR-NTU](#) for open access to comply with [NTU Open Access Policy](#). Deposit your Masters by coursework thesis and FYP report into DR-NTU for restricted access to NTU community only.

## Deposit research data in DR-NTU (Data)

Deposit your research data in [DR-NTU \(Data\)](#) to ensure that they are findable, accessible, interoperable and reusable. The Library provides data curation and publishing advice, and [regular workshops](#) on DR-NTU (Data).

## Appendix 1: Chart

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