



Library Research Guide for Mathematics & Statistics

library.fcollege.edu.pk

Finding Online Databases:

The Ewing Memorial Library subscribes to various scholarly databases through HEC Digital Library as well as its own institutional subscription such as Jstor. To search scholarly articles and ebooks on Mathematics & Statistics please consult the following databases

Jstor: <http://www.jstor.org/>

JSTOR is an archival database that includes full-text content of more than 1,300 academic journals, around 800 JSTOR books as well as thousands of primary sources. It allows accessing 90+ scholarly journals on Mathematics & Statistics.

Taylor & Francis Online: <https://www.tandfonline.com/>

It is a key resource for accessing refereed articles on Applied Sciences and allied subjects. 98 Full text and Impact Factor Journals can be accessed on different areas in Mathematics & Statistics such as Applied & Advanced math, stat & probability, History & philosophy of math, Foundations & Theorems.

Wiley Online Library: <https://onlinelibrary.wiley.com/>

Wiley Online Library is a huge scholarly resource providing full text access to journal articles in wide range of subjects such as Algebra, Applied Math, Calculus, Logic & foundation, Number theory, real analysis, Applied probability & stat, Biometrics, Biostatistics, Data Mining Stat, Regression analysis, survey research methods etc

Springer Link: <https://link.springer.com/>

One of the world's leading online information services for scientific, technical, medical books and journals. It is a highly valuable resource and provides access to 188 Journals in Mathematics & 23 Journals in Statistics. The sub disciplines include Analysis, Algebra, Geometry, Statistical theory & methods, probability etc.

ProQuest Ebook Central: <https://ebookcentral.proquest.com/lib/hec-ebooks/home.action>

It offers a wide variety of multidisciplinary eBook content from leading academic publishers & provides access to over 1 million eBooks on different subject areas. It has a collection of over 2, 444 ebooks on Mathematics.

ProQuest Dissertations and Theses Global: <https://search.proquest.com/?accountid=135034>

ProQuest Dissertations & Theses Global is the world's most comprehensive collection of dissertations and theses from around the world, spanning from 1743 to the present day. It contains access to 75, 000+ thesis and dissertations on the subject of Mathematics & statistics.

Project Muse: <https://muse.jhu.edu/>

Project MUSE is a leading provider of digital humanities and social sciences content. 381 MUSE Books can be accessed and downloaded in Full text by chapters on the subject of Science, Technology & Mathematics.

SIAM: <http://www.siam.org/>

SIAM fosters the development of applied mathematical and computational methodologies essential in solving many real-world problems. It gives access to publications, research, and community whilst building the gap between mathematics and the worlds of science and technology.

ASTM International Standards: <https://compass.astm.org/CUSTOMERS/index.html>

The ASTM Standards & Engineering Digital Library is a vast collection of industry-leading standards and technical engineering information. It covers a broad range of engineering disciplines, including aerospace, biomedical, biotechnological, chemical, civil, environmental, geological, health and safety, industrial, materials science, mechanical, nuclear, petroleum, soil science and solar engineering.

INFORMS Pubs Online: <https://pubsonline.informs.org/>

INFORMS publishes 16 scholarly journals covering subject areas such as Operation Research, Management Science, Analytics, Operations Management & Research, Information Systems, Decision Analysis, Marketing Research, Research Theory, Strategic Management and Supply Chain Management.

Cambridge Core: <https://www.cambridge.org/core/>

Cambridge Core – the home of academic content is a valuable scholarly database to access useful and inspirational research and academic information. Cambridge core currently acquires over 1 million journal articles and 30,000+ ebooks in a wide range of subjects such as Mathematics, Statistics & probability, social sciences and management sciences.

Finding Print & eBooks in the library:

To find books go the Ewing Memorial Library I-portal (<http://libraryportal.fccollege.edu.pk>) Search the collection by Author, Title or Subject. To browse the library shelves for resources in Mathematics & Statistics try the following call numbers.

510	Mathematics
512	Algebra
519	Probabilities & applied mathematics

Finding Scholarly Journals:

The Ewing Memorial Library subscribes to 30 scholarly journals and 9 popular magazines on different subject areas. A complete list of these journals is available at library website <http://library.fccollege.edu.pk/online-databases/journal-and-magazines> and at the help desks. To browse these journals go to the Periodical section in the library where the recent issues of the journals are displayed while the archives are housed separately.

Journals in Mathematics & Statistics:

- Applied Mathematical Modeling
- Applied Mathematics & Computation
- Annals of Mathematics
- The Annals of Statistics
- Statistics & Probability Letters
- Scandinavian Journal Of Statistics
- Journal of Non-parametric Statistics
- Journal of Mathematical Analysis & Applications

Open Course Wares:

If you want to get access to lecture notes, power point presentations, video lectures on a particular topic of foreign universities you are recommended to search the following open course wares.

MIT open Course Ware	http://ocw.mit.edu
Open Courseware – USASK	http://ocw.usask.ca/AR/STAT/
Virtual University of Pakistan	http://ocw.vu.edu.pk

Research Help:

The library subscribes to citation tools and online scholarly databases. If you are facing difficulty citing the sources or need a training session on any of the online databases, feel free to contact the Helpdesks in Ewing Memorial Library and Information Commons (S-125), in person or send us an email at library@fccollege.edu.pk.