

Paper-II

Computer Applications

Compiled By;

Dr. Rajesh K. Kesharwani,

Dr. Rudra P. Ojha

Nehru Gram Bharati (Deemed to be University), Prayagraj

(The content is only for academic purpose)

UNIT-I

Introduction to Database Management System and Literature search

Database Management System



What is a DBMS?

- A Database Management System (DBMS)
 - a collection of programs that enables users to create and maintain a database
 - a general-purpose software system that facilitates the processes for databases of
 - Defining
 - Constructing
 - Manipulating
 - Sharing

Defining a Database

- For the data being stored in the database, defining the database specifies:
 - The Data Types
 - The Structures
 - The Constraints

Constructing a Database

- Is the process of storing the data itself on some storage device
- The storage device is controlled by a DBMS

Advantages of a Database

- Controlled redundancy
- Reduced inconsistency in the data
- Shared access to data
- Standards enforced
- Security restrictions maintained
- Integrity maintained easier
- Providing Backup and recovery
- Permitting inferencing and actions using rules

Conducting a Literature Search



What is a Literature Search?

“A literature search is a well thought out and organized search for all of the literature published on a topic. A well-structured literature search is the most effective and efficient way to locate sound evidence on the subject you are researching. Evidence may be found in books, journals, government documents and the internet.”

Purpose of a Literature Search

- Broadens your knowledge on a topic
- Shows your skill at finding relevant information
- Allows for critical appraisal of research

Search Strategy

- Set limits on your search
 - What is your perspective?
 - What is your contribution?

Search Tools

- Truncated search words
 - Marr* = married, marriage, marry
- Boolean logic
 - Use OR, NOT, AND

Types of Literature

1. Research Journals

- Articles
- Reviews/commentaries/replies
- Reviews

2. Books

- Topic books
- Handbooks
- Theory books

3. Online reports

- Census
- Research institutes
- Government organizations

Sources of Literature

1. Library

- Hard copies of books and journals
- Interlibrary loan
- Online library

2. Internet

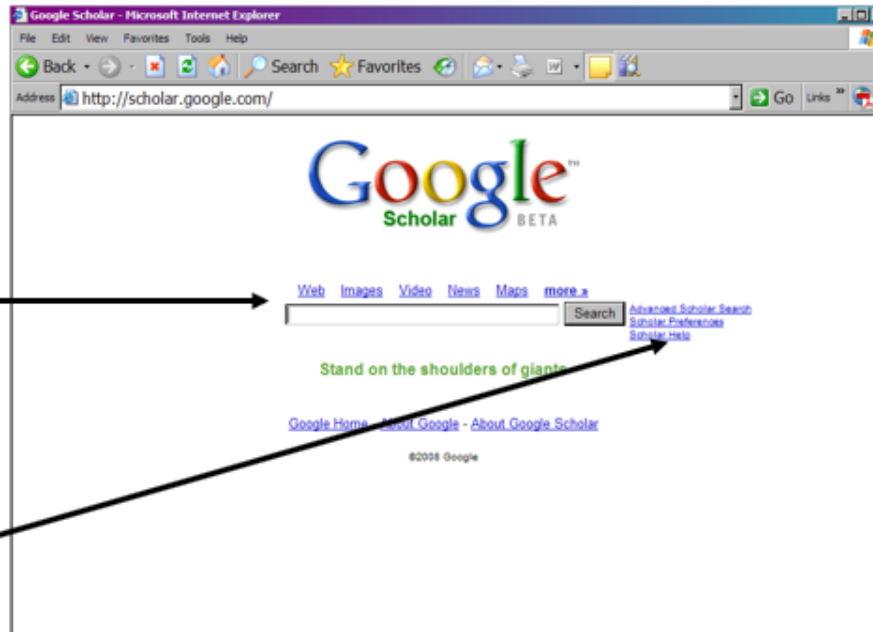
- Online journals
 - “Google Scholar”
- Websites
 - Government departments, research institutes, etc



Google Scholar

Can search for books and articles

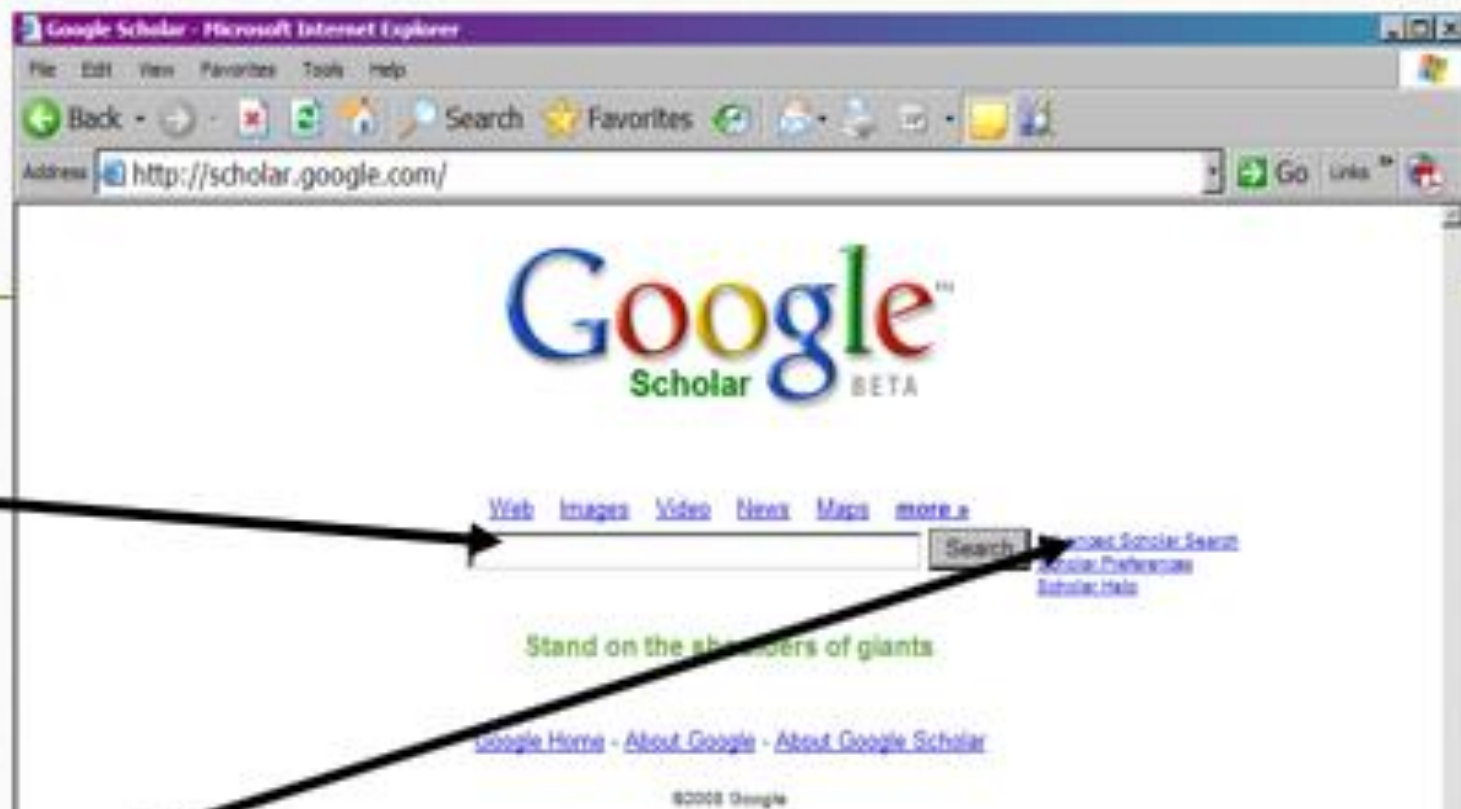
Can do an advanced search



Google Scholar

Can search for books and articles

Can do an advanced search



Title links to abstract and possible source of full text

"Find it with Links" links to full text version

Link to articles that cited the work

Link to related articles

The screenshot shows a Google Scholar search results page for the query 'bumpass'. The browser address bar shows the URL: <http://scholar.google.com/scholar?q=bumpass&hl=en&lr=>. The search results are displayed under the heading 'Scholar All articles - Recent articles' with 'Results 1 - 10 of about 7,340 for bumpass. (0.16 seconds)'. On the left, there is a sidebar with 'All Results' and a list of authors: [L Bumpass](#), [J Sweet](#), [T Martin](#), [S McLanahan](#), and [H Lu](#). The main results list includes:

- [Trends in Cohabitation and Implications for Children's Family Contexts in the United States - Find it with QLinks - all 5 versions »](#)
L Bumpass, H-H Lu - Population Studies, 2000 - JSTOR
Larry Bumpass, Hsien-Hen Lu. ... Mar., 2000. Population Studies, 54 (2000), 29-41 Printed in Great Britain Trends in cohabitation and implications for children's family contexts in the United States LARRY BUMPASS AND HSIEN-HEN LU Abstract. ...
[Cited by 495](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#)
- [The design and content of the National Survey of Families and Households](#)
J Sweet, L Bumpass, V Call - Center for Demography Ecology, 1988 - popline.org
This paper is a procedural history of the National Survey of Families and Households (NSFH). It attempts to 1) describe the history of the project, 2) enumerate some of the major criteria that guided the decisions relating to ...
[Cited by 355](#) - [Cached](#) - [Web Search](#) - [Library Search](#)
- [Intergenerational Consequences of Family Disruption - Find it with QLinks](#)
S McLanahan, L Bumpass - The American Journal of Sociology, 1988 - JSTOR
... Larry Bumpass. ... Those who do so will be likely to spend five or more years in this family state (Bumpass 1984). ... or half will be poor, and most of those poor will be dependent on public welfare (U.S. Bureau of the Census 1983, table 15). ...
[Cited by 297](#) - [Related Articles](#) - [Web Search](#) - [Library Search](#)
- [What's Happening to the Family? Interactions Between Demographic and Institutional Change - Find it with QLinks](#)
LL Bumpass - Demography, 1990 - JSTOR
484 Demography, Vol. 27, No. 4, November 1990 1973; Stone 1982). When needs and interests conflict, as they do in any collectivity, how much weight must the individual give to the interests of others in contrast to his or her own ...
[Cited by 178](#) - [Related Articles](#) - [Web Search](#)

Annotations with arrows point from the text on the left to specific elements on the page: one points to the title of the first article, another points to the 'Find it with QLinks' link, and a third points to the 'Cited by' link of the third article. A black box highlights the 'Cited by' link of the third article.

References

- Computing Fundamentals: Introduction to Computers, January 2015, Publisher(s): Sybex ISBN: 9781119039716.
- Ron Brown, Fax invades the mail market, New Scientist Archived 2016-05-09 at the Wayback Machine, Vol. 56, No. 817 (Oct., 26, 1972), pp. 218–21.
- Herbert P. Lockett, What's News: Electronic-mail delivery gets started, Popular Science Archived 2016-04-30 at the Wayback Machine, Vol. 202, No. 3 (March 1973); page 85.