



LITERATURE REVIEW

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CAN YOU FIND THE THE MISTAKE

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OBJECTIVES

- Define literature review.
- List different sources of information for literature.
- Compare different literatures (general/scholarly)
- Explain the purpose of literature review.



WHAT IS LITERATURE ???



Literature, a body of written works.

The name has traditionally been applied to those imaginative works of poetry and prose”

Review, to think or talk about something again, in order to make changes to it or make a decision about it .

What is Medical literature???

Medical literature

- **Published**

- 22 000 biomedical journals
 - ≈ 5 000 journals indexed in Medline
 - 17 000 biomedical books annually

- **Gray literature**

- Conference proceedings
 - Reports
 - Theses
 - Unpublished studies



Definition.

- A **literature review** is both a summary and explanation of the complete and current state of knowledge, on a limited topic as found in academic books and journal articles.



□ There are two kinds of literature reviews you might write at college or university


1. Students are asked to write as a stand-alone assignment in a course, often as part of their training in the research processes in their field.

2. Other that is written as part of an introduction to, or preparation for, a longer work, usually a thesis or research project.

Why to do a literature review?



What's the purpose???

- 
- **To see** what has and has not been investigated.
 - **To identify** data sources that other researchers have used.
 - **To learn** how others have defined and measured key concepts.
 - **To develop** alternative research projects.
 - **To contribute** to the field by moving research forward.
 - **To provide** evidence that may be used to support your own findings.

- 
- To understand your topic in the context of what is already known.

Narrative Reviews

Descriptive Reviews

Scoping Reviews

Critical Reviews

**Typology
of
Reviews**

Meta-Analyses

Systematic Reviews

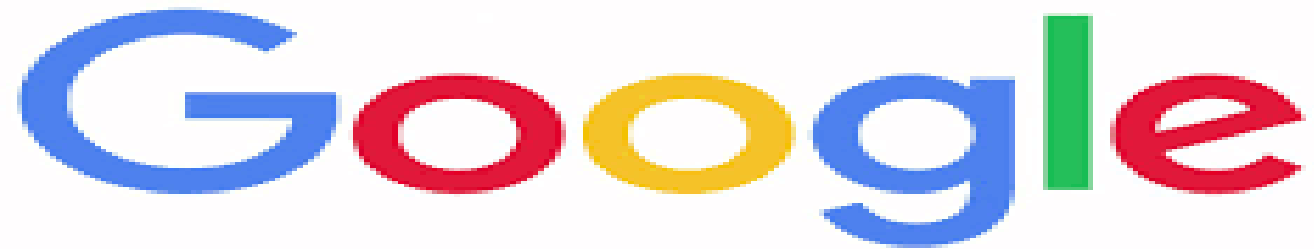
Theoretical Reviews

Umbrella Reviews

Where to **Begin?** At the **Beginning!**

Let's say you need some research resources for a paper you're writing for a class. You have a general topic – **diabetes** – and you know you need resources, but you aren't sure how to get started.

Your impulse would be to start with the **Internet**

The Google logo is displayed in its characteristic multi-colored font. The letters are: 'G' in blue, 'o' in red, 'o' in yellow, 'g' in blue, 'l' in green, and 'e' in red. The logo is centered on a white background within a light gray rectangular frame.

Google



WHERE DO YOU FIND LITERATURE ?



but first consider what you need to find:

*quality, credible resources
about or related to diabetes*



(Original) Research Article
e.g. empirical study

Review Article
e.g. literature review, systematic review

Theoretical Article

Academic/Scholarly Sources

Book Review

Editorial

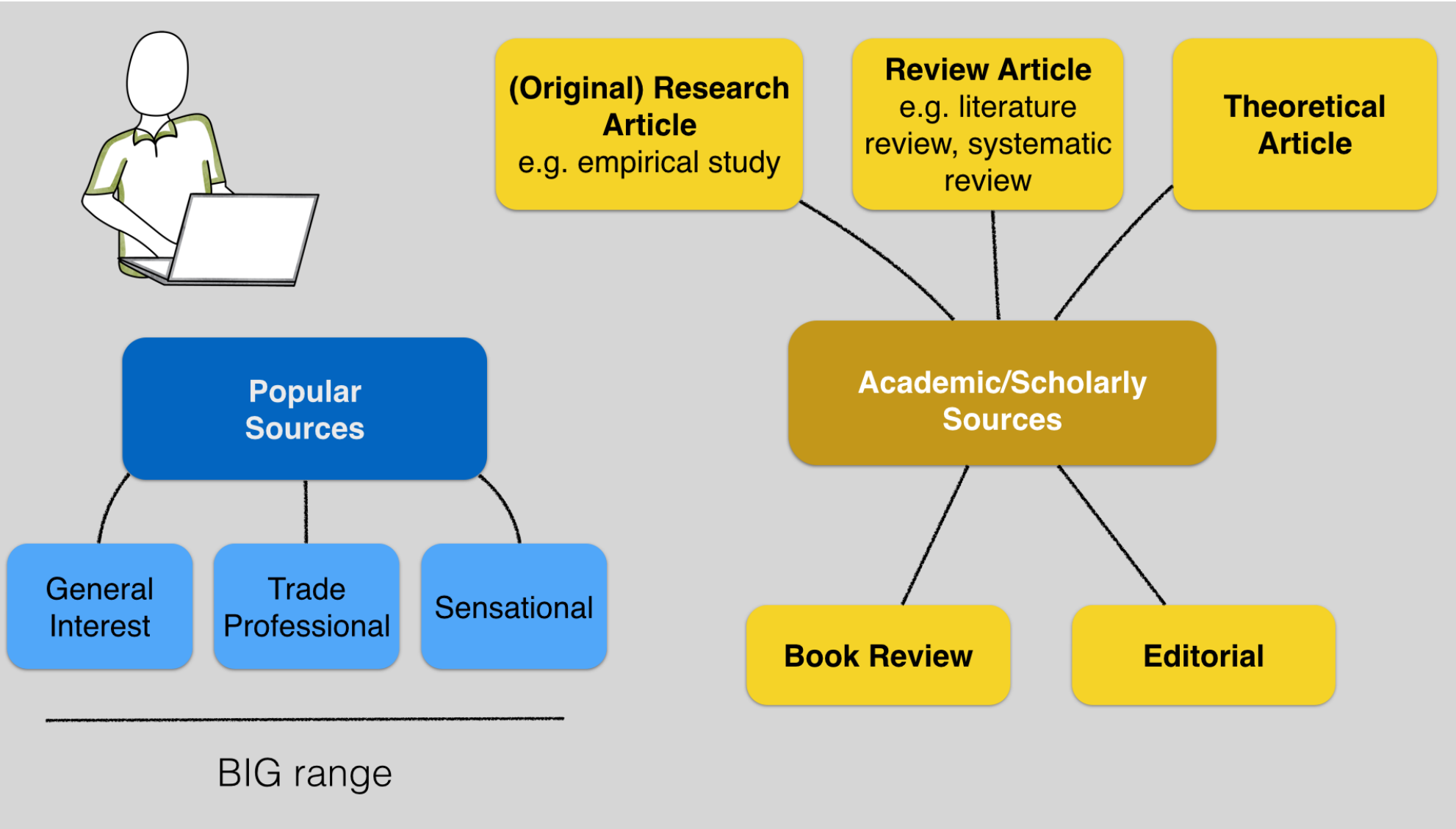
Popular Sources

General Interest

Trade Professional

Sensational

BIG range



Sources of Literature

Primary

- Reports
- Theses
- E-mail, Memos, minutes
- Conference proceedings
- Company reports
- Unpublished manuscript sources
- Some government publications such as white paper etc.

Secondary




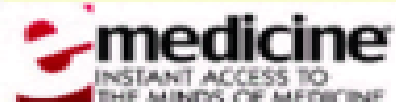
- Books
- Journals
- Newspapers
- Some government Publications

Tertiary

- Indexes
- Abstracts
- Catalogues
- Encyclopedia
- Dictionaries
- Bibliographies
- Citation Indexes

Where to start when you need information

- A quick review of a topic
 - UpToDate
 - Emedicine
- Drugs
 - Micromedex MDConsult
 - UpToDate Drugs@FDA.gov
- Extensive review
 - Cochrane Library
- **Everything else**
 - **Start with PubMed/Embase**

	National Library of Medicine Index of all Medical Literature FREE
	Intranet Access Only
	Full Text Journals Online Password
	Password required
	Full Text books and journals Register for access
	Drug Database Intranet Access Only
	INSTANT ACCESS TO THE MINDS OF MEDICINE

NEXT STEP: *NOT* Searching YET

- **There's something you need to know.**
- Many professors and teachers cringe when you use **Google** and other search engines and rely too heavily on websites for your research; do you know **why**?

- 
- The reason for this is that **the Internet is NOT moderated or quality-controlled**, and there's a lot of **GARBAGE** and **RUMOR** and outright **MISINFORMATION** floating around.

NOT Searching YET

- You don't want to write a paper/review or conduct research with **GARBAGE, RUMOR, or MISINFORMATION**, do you?

OF COURSE NOT!

- You would write your paper/review/research project which **healthy, safe, clean** right? **RIGHT!**

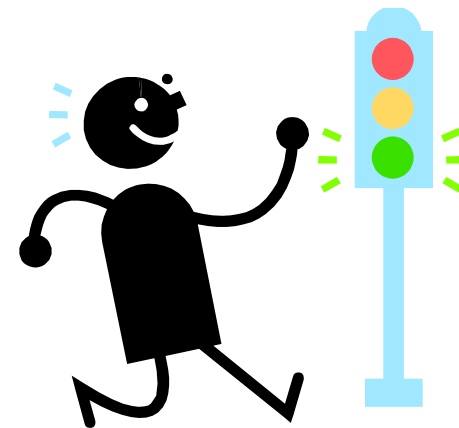
NOT Searching YET

- “healthy, safe, clean things” = **scholarly, peer-reviewed, research-oriented resources**
- There ARE scholarly, peer-reviewed, research-oriented resources on the Internet – but it usually **takes extra effort** and **time** to find them

So...what are scholarly resources?

- ❑ Written by **experts**
- ❑ Focus on a **particular field, topic, or discipline**
- ❑ **“Proper” language**, technical vocabulary
- ❑ No ads
- ❑ **RESEARCH ORIENTED**

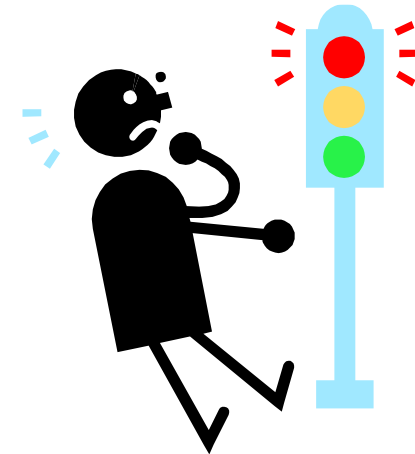
* *Journals are scholarly*



POPULAR resources are the opposite

- ◉ Written by **journalists**
- ◉ Usually cover **broad topics**, fields, issues, or disciplines
- ◉ Usually appeal to **a wide audience**
- ◉ **Everyday language**, slang.
- ◉ LOTS of ads
- ◉ **NOT RESEARCH ORIENTED**

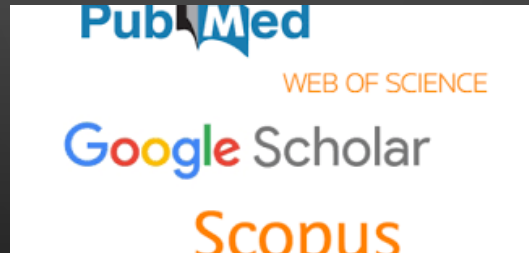
* *Magazines and newspapers are popular*







SEARCH ENGINES AND DATA BASES



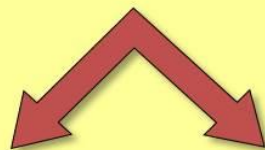


NLM, the World's
Largest Medical
Library produces
MEDLINE



MEDLINE

MEDLINE is a
bibliographic
database with over
24 million citations



These vendors *lease*
MEDLINE from NLM so it
can be searched through
their own interfaces

Free!



PubMED (**Public
MEDLINE**) is NLM's
search engine interface
for MEDLINE



WEB OF SCIENCESM

embase



Medline.....Medical Literature Analysis and Retrieval System Online

- Medline is the electronic database of indexed citations and abstracts of the US National Library of Medicine (NLM)
- It includes bibliographic information for articles and abstracts covering medicine, nursing, pharmacy, dentistry, veterinary medicine, and health care, and preclinical sciences journal articles.
- It contains >21 million records from approximately 5,000 selected publications from 1950 to the present

Literature Review Contd.

□ Task

Apply all the following points to a topic of interest like :-

Corona Virus Disease

1. What is already known and what is unknown
2. What are the sources of data would you use for this information and why ?
- 3 What could you learn from previous literature ?



Thank
you!!