



Topic 5: Literature Review

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The Purposes of Literature Review

- Know the state-of-the-art in the field
- Incorporate critical views
- Avoid repeating the work of others
- Highlight research possibilities either explicitly identified or overlooked
- Refine research objectives and questions
- Identify research methods and technologies



Literature Searching (1)

- Without reference to the existing literature, it is impossible to write a literature review
- Collect recognized literature related to the research title systematically
 - “Recognized” means that the literature has been verified
 - Should not be personal opinion on the webpage
 - Should be reviewed by peer expert before publication



Literature Searching (2)

- "Systematically" refers to in a structured and professional manner
 - Not in a random manner
 - Focus on literature related to the research topic
 - Along with the searching cycle, attention will gradually turn to a specific title



Literature Searching (3)

- Forms of literature
 - Books
 - Journals
 - Conference proceedings
 - Dissertations
 - Company reports
 - Manuals
 - Software
 - CD-ROMs



Literature Searching (4)

- Books

- Starting point
- Provide good grounding and overview of chosen title
- Provide sufficient detail
- Are refereed
- May be outdated and out of line with current thinking
- Some being more technical



Literature Searching (5)

- Journals (Open Access Journals)
 - Contain articles discussing up-to-date issues
 - Using books before journal articles
 - Only part of an article is suitable
 - Majority of references are to journal articles



Literature Searching (6)

- Conference proceedings
 - Published at national and international conferences
 - May contain more up-to-date ideas than journal articles
 - May present preliminary results that has yet to mature
 - The quality of articles varies widely



Literature Searching (7)

- Dissertations
 - Including doctoral theses
 - Represent students' research and provide their contribution
 - Supply ideas on current thinking and useful sources of references
 - Provide an idea of the scope and requirements of an academic degree
 - Difficult to obtain probably being lodged only at the awarding institution



Literature Searching (8)

- Company reports
 - Provide valuable information for case studies
 - Might be subjectively biased in favour of the company
 - May contain information cannot be used as the company does not wish it to be made public



Literature Searching (9)

- **Manuals**
 - Valuable source of information particularly within technical computing projects
 - Not refereed academic articles providing insight into current thinking
 - Not use them as foundations for academic discussion



Literature Searching (10)

- Software
 - Tools, repertories and reusable components
 - Websites
- CD-ROMs
 - Material is increasingly being presented on CD-ROMs
 - CD-ROMs present information from other sources in a more easily and accessible format



Literature Searching (11)

- Tracing literature
 - Online Public Access Catalogue (OPAC)
 - Search library literatures
 - Efficiency is much higher than hand or microfilm
 - Search by author names, literature titles and keywords etc.
 - [National Library of China](#)
 - [British University Library](#)
 - [Library of BJTU](#)



Literature Searching (12)

- Electronic database
 - Literatures are deposited into electronic databases in the form of electronic documents
 - Students search and download via campus network
 - In Chinese
 - CNKI: National Knowledge Infrastructure
 - The VIP Information Resource Integration Service Platform
 - In English
 - Web of Science (SCI, SSCI, CPCI-S, CPCI-SSH)
 - EI



Literature Searching (13)

- Internet
 - Search Engine
 - [Google](#), [Bing](#), [Baidu](#)
 - Websites produced by publishers or software developers
 - [Elsevier](#)
 - [Magneto](#)
- Subject-specialist librarian
 - Provide searching recommendations
 - Inform the area people mostly interested in and the current state of the art



Literature Searching (14)

- Supervisor
 - knows key literatures and well-known figures
 - Tell the right place to search
- References
 - Know information for further searching
 - Know active research groups
 - Know the influential people
 - Know important conferences and journals



Literature Searching (15)

- Tips for Literature Searching
 - Note interesting quotations and their reference as go along
 - Use review articles and books
 - Reference correctly from the start
 - Know when to stop



Literature Searching (16)

- Have a system to organize and catalogue (Explorer)
- Read recognized leaders and original theorists
- Start with a broad search before focus in

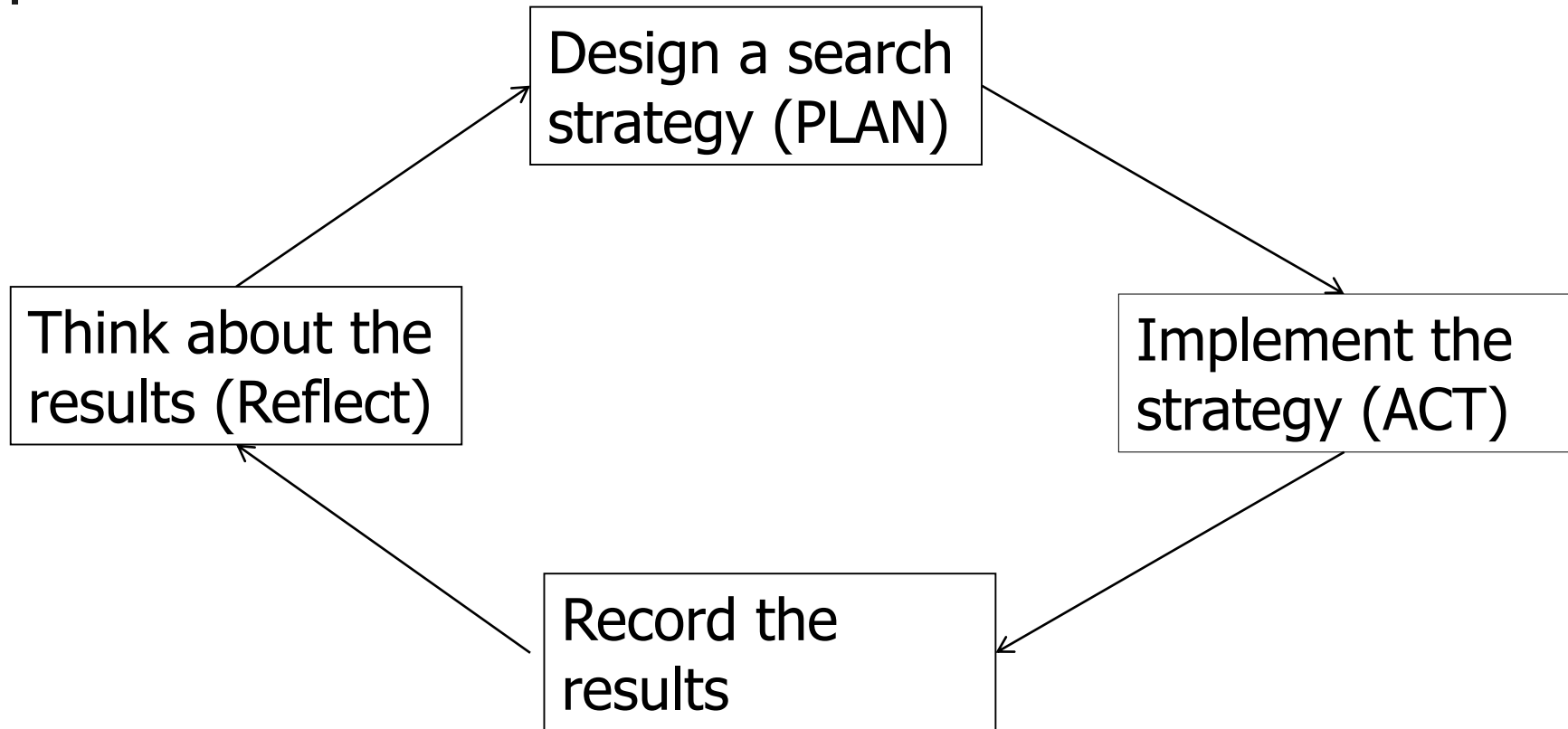


Literature Searching (17)

- Model of reflective literature searching
 - Keep returning to the field and reviewing and rereading, catching up on new text and ideas more obviously relevant
 - Go through a cyclical model, searching, recording, processing and researching



Literature Searching (18)





Literature Searching (19)

- Setting up Bibliography
 - Results of literature searching are sorted out a bibliography

For a book

Author(s)/editor(s)
Title
Edition
Number of volumes
Publisher
Place of publication
Date of publication

For a journal article

Author(s)
Title of the paper
Name of the journal
Volume
Issue
Page numbers
Year



Literature Searching (20)

- It's better to provide the following information
 - Key words for literature searching
 - Libraries with the literature
 - Views on the literature
 - Citations may be used
 - Abstracts for particularly useful literatures

Carrying out Literature Review (1)



- A literature review is not
 - A report listing all articles read – be selective
 - Dedicate a page or a paragraph to the content of each article in turn

Carrying out Literature Review (2)



- Abstracting, noting and summarising (SQ3R)
 - Survey
 - Quickly read through an article to identify main headings
 - Question
 - What was that about
 - Read/reread
 - Look through it all/ read it carefully and reread, but only if necessary

Carrying out Literature Review

(3)



- Record
 - Take notes under main headings and take full quotations and citations of other references to follow up
 - Summarise major arguments and references where the ideas and the quotations come from
 - Make some sub-headings and sub-notes alongside the notes
 - Start to structure the notes and process the arguments

Carrying out Literature Review

(4)



- Review
 - Have caught the most important points (the main arguments) and all need for own work?
 - Have recorded the references appropriately?
 - Are the quotations correct?
 - What have missed?

Carrying out Literature Review (5)

- Organize around the headings

Literatures	Headings			
	Issues	Methods	Arguments	...
1				...
2				...
3				...
...

Carrying out Literature Review (6)



- Good habits
 - Update literature search and review
 - Return to key sources to investigate further what emerged as important issues
 - Fully record the reference have found and leave it to stockpile
 - Write up and use what have found to spur on more of own ideas

Carrying out Literature Review (7)



- By practicing and reading good examples can improve writing ability
 - MEASURE and RUP based IS Business Modeling Method



Discussion

- Explain whether the case reached the purposes of literature review
- Describe the form of literatures and the way of tracking literatures you used
- What are the deficiencies of the research you chose