



中國地質大學

CHINA UNIVERSITY OF GEOSCIENCES

“国际学生学术能力提升工程”系列讲座

丝路博士论坛

SILK ROAD DOCTOR FORUM

(2023-2)

丝绸之路学院
2023年3月24日

How to identify the research gap while writing high impact paper



Session outline

1. In- Brief
2. Introduction
3. How to identify research gap
4. Different type of Research Gaps
5. How to Identify Gaps in the Literature
6. Conclusion



How to identify the research gap

The purpose of this lecture is to identify and explore the components essential to how to find research gap for writing high level impact paper



How to identify the research gap

At the end of this workshop, students will be able to :

1. Identify and conceptualize the essential steps in how to find research gap in existing literatures;
 2. Use different strategies to plan for the successful find out research gaps
-

Brainstorming Strategies

1. List papers related to your research area
2. Map your focus
3. Free write your ideas





In Brief

Research gap is a problem, which is not covered properly. It may be stemming from deficiency of appropriate data to support the papers title and literature gap, which means the lacking or uncomplete piece of information in the Academic research literature which is not investigated or studied

What is a research gap?

- **A research gap** means, there are some areas that have significant scope for more research, but they have not been investigated by other researchers. In other words, no one has picked up or worked on these ideas.
- **A research gap** refers to such unexplored or underexplored areas that have scope for further research.

Introduction

A research gap is a topic or field for which insufficient data restrict the ability to conclude a research question.

Problem, How economic policy uncertainty and green finance effect energy transition? You can find out several researches and potential answers to the research problem.

- *Research gap* identify a knowledge gap or an unexplored area on which you can base your research.

How to Identify Research Gaps



Identifying research gaps might appear challenging or even impossible, given the potential of current research.



You might say I do not have time to read every economic paper that is written concerning the current research.



The critical question here is how do you find a gap in your research?



Finding gaps and coming up with original and innovative(NEW) topics can be tricky.



In Fields of research, there are several(MENY) methods, methods, which can be summarized.

How to Identify Research Gaps



Identify your main motivating question/issue



Identify key words linked to this problem



Review the literature, search for these keywords and recognize suitable publications



Review the literature cited by the prominent publications in the above the above phase.



In Fields of research, there are several methods, which can be summarized to

How to Identify Research Gaps



Identify problems not discussed by the literature concerning your vital motivating problem



*It is the last step we all find the most difficult.
It can be hard to find out what an article does not claim.*



I like to keep a list of notes of biased or contradictory facts.



You can also track what authors write as "directions for future studies," "future studies," which can also guide us to the current gaps.

Different Types of Research gaps

Literature Gaps

Conceptual Gaps

Knowledge gaps

Methodological Gaps

Data Gaps

How to Identify Gaps in the Literature

You may wonder what the is best way to produce some innovative research questions would be.

Although there is no well-defined method for identifying avoid in established information, you can help locate it with your curiosity, ingenuity, imagination, and judgment.

Look at published literature for inspiration read books and posts about the subjects you want the most

It allows you to understand the depth of researchers' work in your field and Ask it all.' It would be best if you requested yourself questions such as:

What is the relevance of this study to my research or the broader field

How to Identify Gaps in the Literature

How does it help me formulate my research questions in this article? Will further clarity need the statement of the author?

What problems or the author has not answered questions? Is there a particular viewpoint I should take into account?

What other variables may have affected the findings? It would help if you concentrated on the Introduction section when reading research papers

The authors clarify their research subject's significance and the holes they have found and attempted to fill in their research.

How to Identify Gaps in the Literature

Also, look at the directions or recommendations that the writers have made for more study as that could be highly encouraging for PhD Literature Review Gap Identification.

To learn more about the advancements and developments in science over the years in the field of your liking, read meta-analyses and review articles.

It will allow you to get acquainted with the issues studied in the past and trending questions that you find curious about specific subjects..

How to Identify Gaps in the Literature



How to Identify Gaps in the Literature

Search in published papers for what inspires you and satisfy your research problem inquires.

Ask for your supervisor's assistance to create new ideas ,state your ,state your problems related to your field of study .

This will help you to clarify your RESEARCH AREA added to that your method's articulating your ideas and learning what others think and work

When you believe that helps on a topic will be necessary, you have to tell your supervisor about that

How to Identify Gaps in the Literature



*You should use **digital resources** to familiarize yourself with the trending queries in your area, as they can bar time and help you cast a broader net in your quest for a research void*



To know which topics are considered significant, websites such as Critical Science Indicator that classify the most cited papers in a field and emerging branches, prominent authors, publications and countries in that field can be beneficial.

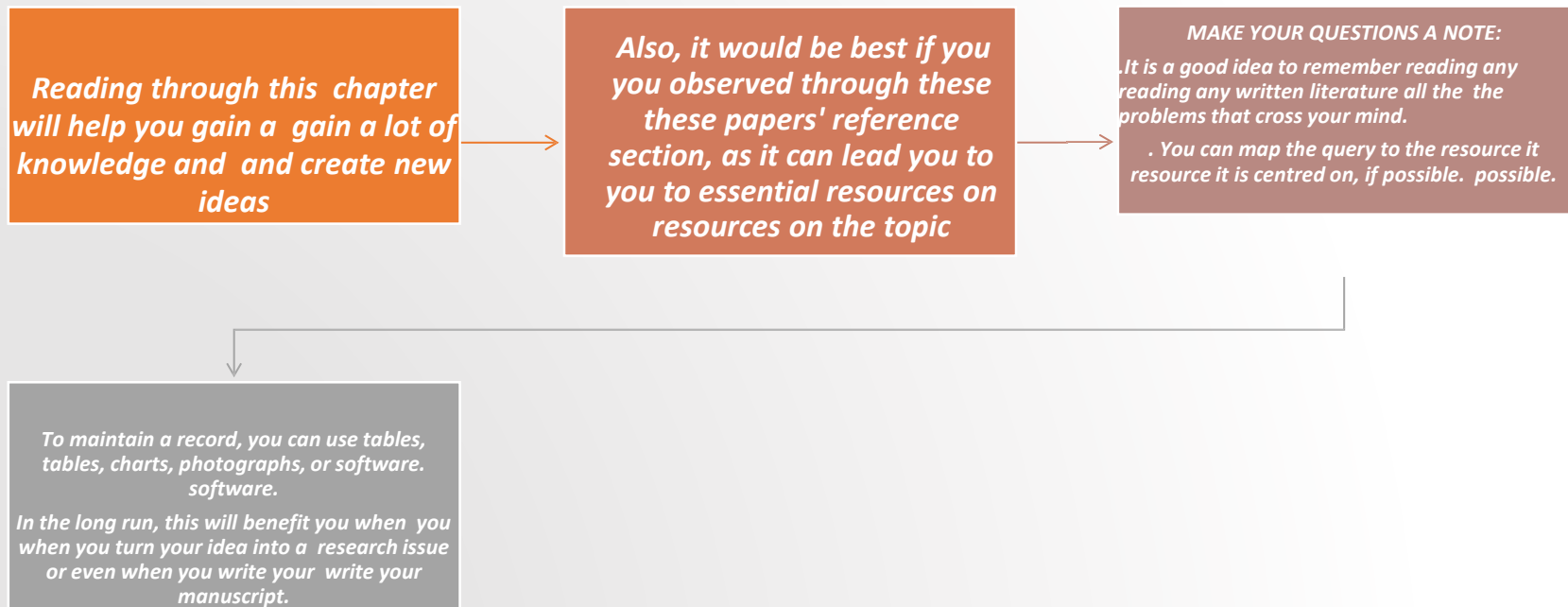


You can also use Google Trends to study more about the current questions relevant to your study area.



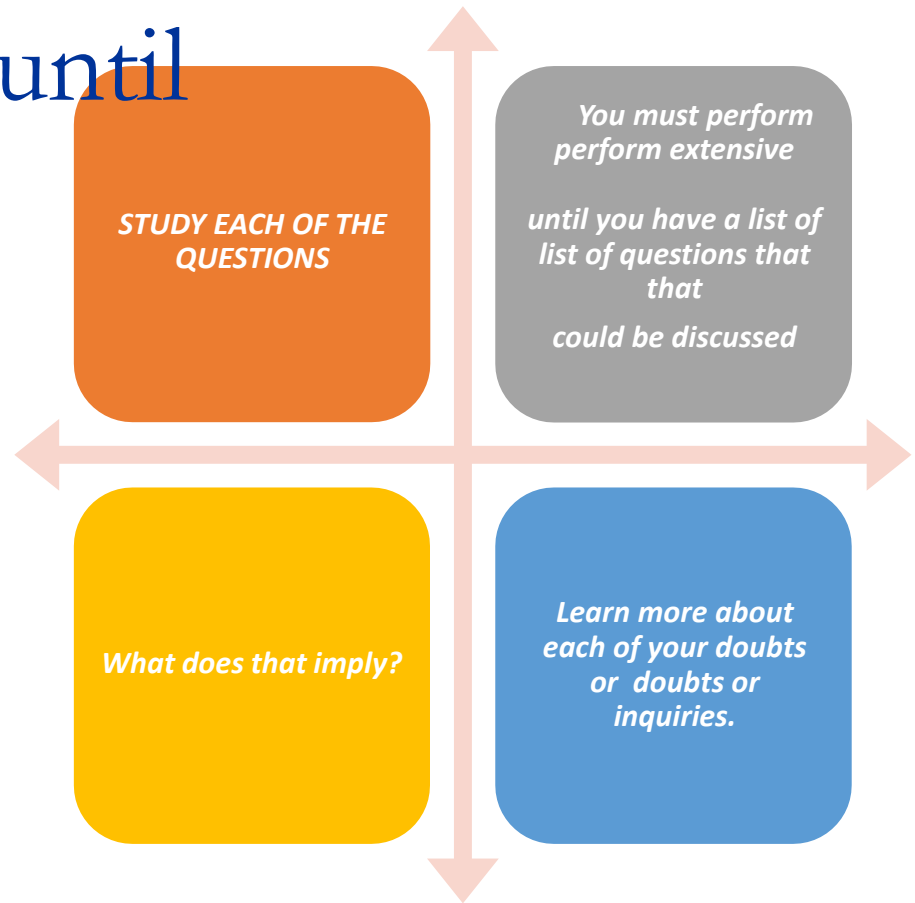
There is always a segment called 'main concepts' on influential journals where experts in a region highlight the core ideas in that field.

How to Identify Gaps in the Literature



Research on them until

How to Identify Gaps in the Literature



How to Identify Gaps in the Literature

Find out whether there were related questions from other researchers and if they have found answers to them.

It will help you prevent work duplication. Your research project is something you will spend a lot of time on, so make sure it stimulates your enthusiasm and interest.

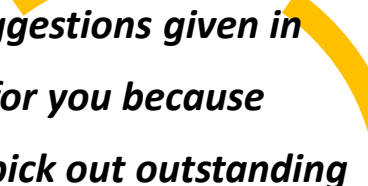
When finalizing an unprecedented research concept, make sure that you consider the period available to complete the project and other essential considerations, such as the availability of funding, resources, and facilities.

Your research project is something you will spend a lot of time on, so make sure it stimulates your enthusiasm and interest.

When finalizing an unprecedented research concept, make sure that you consider the period available to complete the project and other essential considerations, such as the availability of funding, resources, and facilities



Conclusion



- *It would help if you used the suggestions given in this blog to find out what works for you because there is no particular method to pick out outstanding or fascinating research problems.*

- *Keep reading and asking questions before the specific*

- *issue you've been looking for is found!*

Sources of Help

1. Professors
2. Librarians
3. Writing Tutors
4. Content Tutors
5. Models of Successful Research Papers

