



# How to Write an Introduction for a Research Protocol

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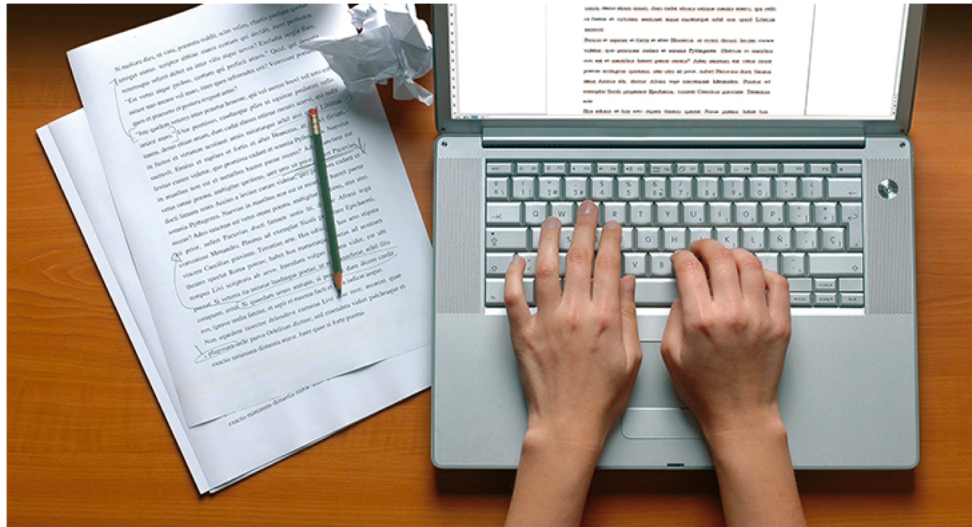


# Objectives

**By the end of this session, you will be able to:**

- Understand the importance of writing the introduction for a research proposal
- The structure of introduction section
- The main components of introduction
- The effective way of writing an introduction

# Research Proposal Writing



# What is a **Research Proposal**?

A research proposal is:

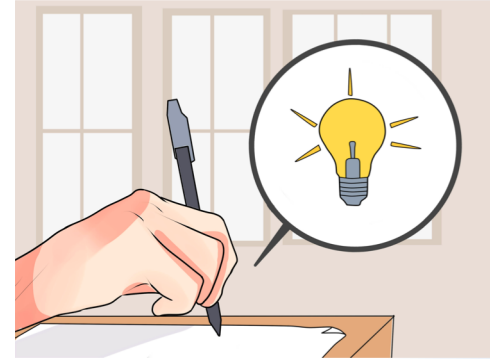
- Detailed description of a proposed study designed to investigate a given problem.
- Intended to **convince** others that you have a worthwhile research project and that you have the competence and the work-plan to complete it.

# What is a **Research Proposal**?

The research proposal must address the following questions *(regardless of your research area and the methodology you choose)*:

- What you **plan** to achieve?
- **Why** do you want to do it?
- **How** are you going to do it?

Before you start writing



Identify your needs and focus

Finding prospective grants and funding agencies

# Identify your needs and focus

Answering the following questions may help you narrow it down:

- What is the topic? Why is this topic important?
- What are the research questions that you're trying to answer? What relevance do your research questions have?
- What are your hypotheses?
- What are your research methods?
- Why is your research/project important? What is its significance?
- Do you plan on using quantitative methods? Qualitative methods? Both?
- Will you be undertaking experimental research? Clinical research?

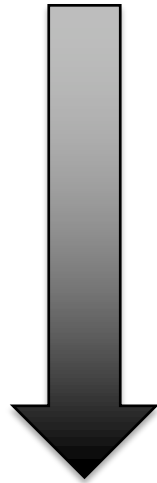
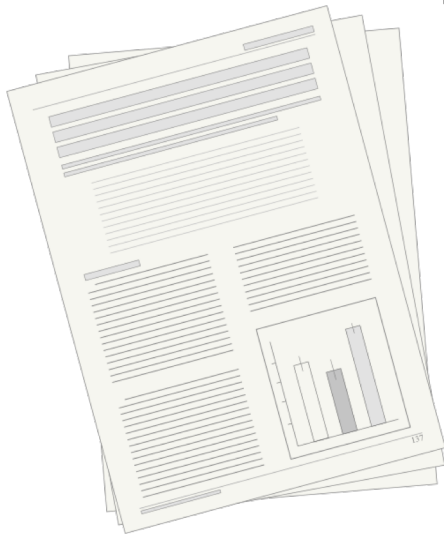
# Introduction





# What is the purpose of Introduction?

**Introduction**

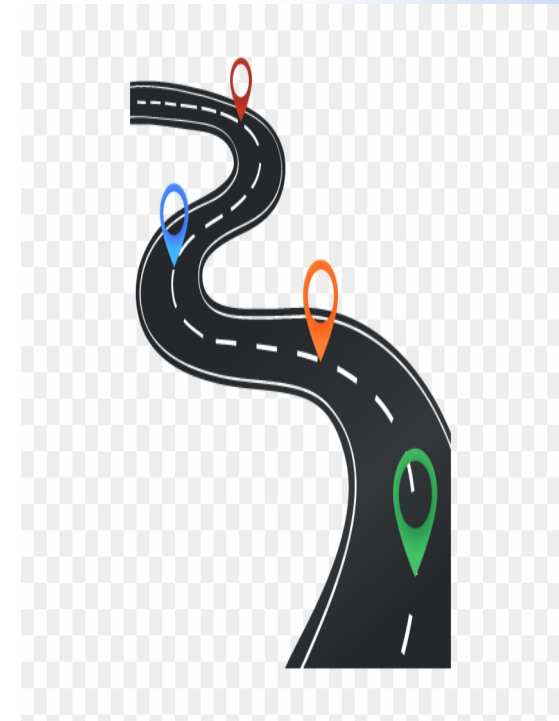


The contents of the introduction should lead the reader into the discussion

**Discussion**

# Why it is important to writing a good introduction?

- It gives **initial impressions** of your argument, your writing style, and the overall quality of your work
- It is an important **road map** for the rest of your paper
- It makes the readers want to read your paper



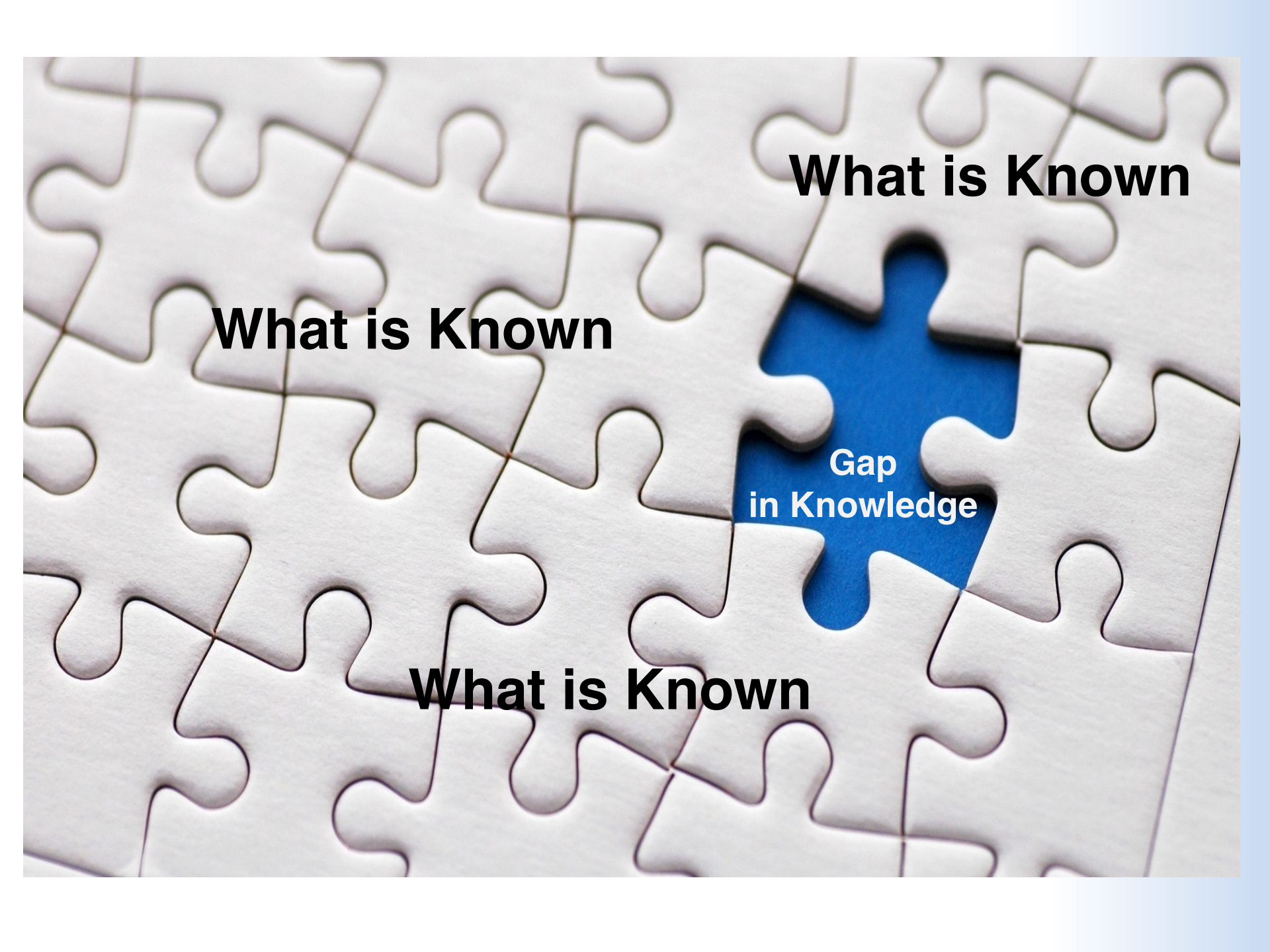
# What is the purpose of Introduction?

- Get your readers' attention and interest
- Identify the specific topic of the report/  
manuscript
- Conceptualize the arguments

# What is the purpose of Introduction?

**The Introduction should answer 2 major questions:**

- What was the gap in the scientific knowledge?
- Why does this gap needs filling?



**What is Known**

**What is Known**

**Gap  
in Knowledge**

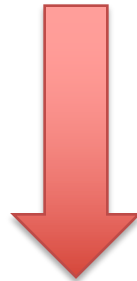
**What is Known**

# The Flow of Introduction

Identify the **gap** in the knowledge

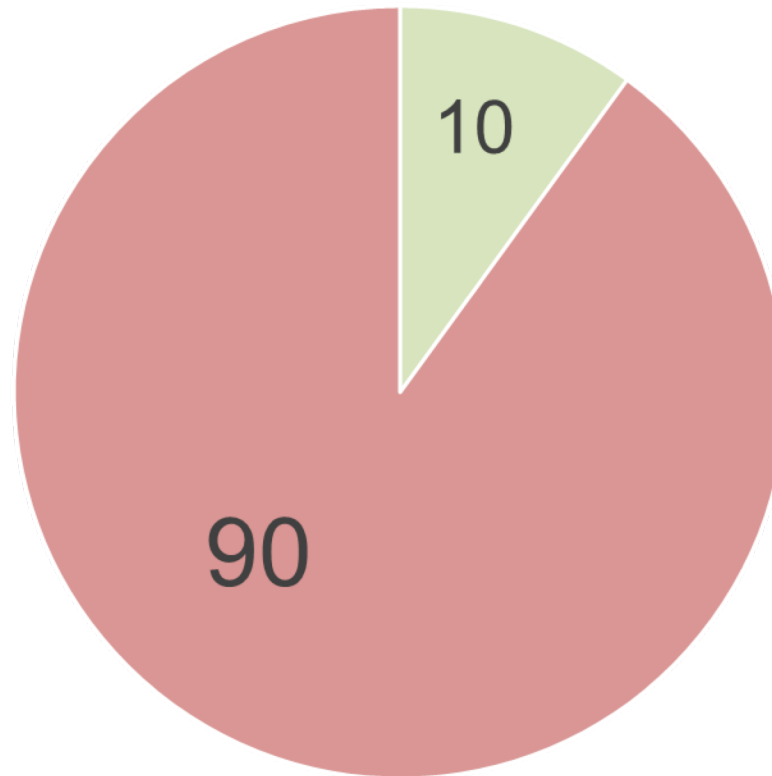


Explain **why** it needs to be filled



**Summarize** how this study attempts to fill that gap

# Contents of Introduction



# Contents of Introduction

- Brief background information about the research topic
- Rational for undertaking this study (reasons for filling the gap)
- Clarifications of terms, definitions or abbreviations
- Key references to preliminary work or closely related papers
- Review of related literature



# The Structure of Introduction



- Can be as an **inverted triangle**
- The **broadest** part at the top representing the most **general information**
- **Focusing** down to the **specific problem** you studied.

# The Structure of Introduction

## Organize the information

- **More general aspects** of the topic
- **More specific information** that provides context,
- Your **statement of purpose** and rationale.



# What is Known about the Topic?

## Background information:

- Give a **strong statement** that reflects the research subject area.
- State the topic and **the problem** explored in the study
- Use **keywords** from the title
- **Do not** state obvious or broad fact about the topic → highly **relevant information** is always useful.

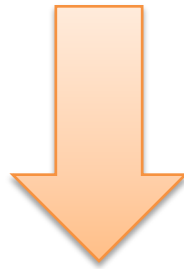
# What is Known about the Topic?

## **Also in the Background information:**

- Be sure to **cite** all of the sources referenced.
- Only give **useful background** information
- Only review **relevant , up to date** primary literature that support the knowledge

# The Structure of Introduction

Then state what is not known about the topic and why it is important to address this area.



Finally, what is your plan to fill in this gap in knowledge

# When to Write the Introduction?

**Introduction**



**Methods and Material**



**Results**



**Discussion**



**Conclusion**

**Methods and Material**



**Results**



**Discussion**



**Introduction**



**Conclusion**

# How to evaluate your introduction draft?

- Ask a friend to read it and then tell you what he or she expects the paper will discuss
- If your friend is able to predict the rest of your paper accurately, you probably have a good introduction



# Introduction Writing Tips

- Write in **active voice** when possible
- Write **concise** sentences
- Use **stronger verbs** when possible
- Do not overuse **first person pronouns**
- **Organize** your thought from broad to specific





*Thank  
you*

