

Hello, it's enchanting to meet you all!

# HOW TO READ PAPER?

A presentation to teach you how to read a paper Fast



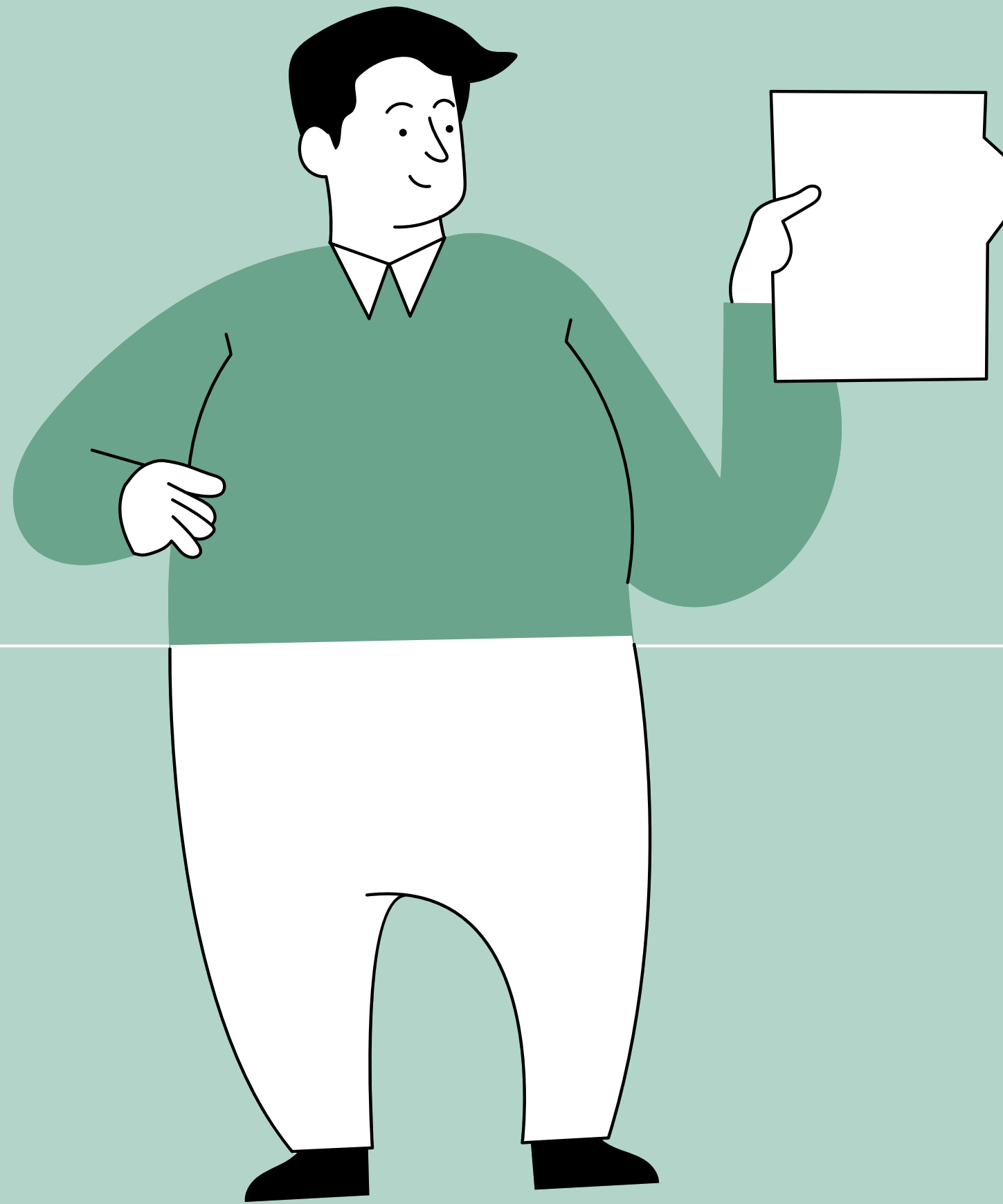
# Presenter



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# How to Read a paper?

Read (and understand) academic journal articles quickly & efficiently!

- Introduction
- How do I find a paper?
- How do I read a Paper?

# Introduction



## What is an academic paper?

It's in academic journals and contains original research results or reviews existing results or shows a totally new invention.

## Why must Researchers read papers?

- To keep current in their field
- For a literature survey of a new field
- To review them for a conference or a class

# WHAT'S THE GOAL?

Do you want to develop a new theory or  
explore an existing one?

Would you like to get to know about new ideas  
or like to implement?

Literature review

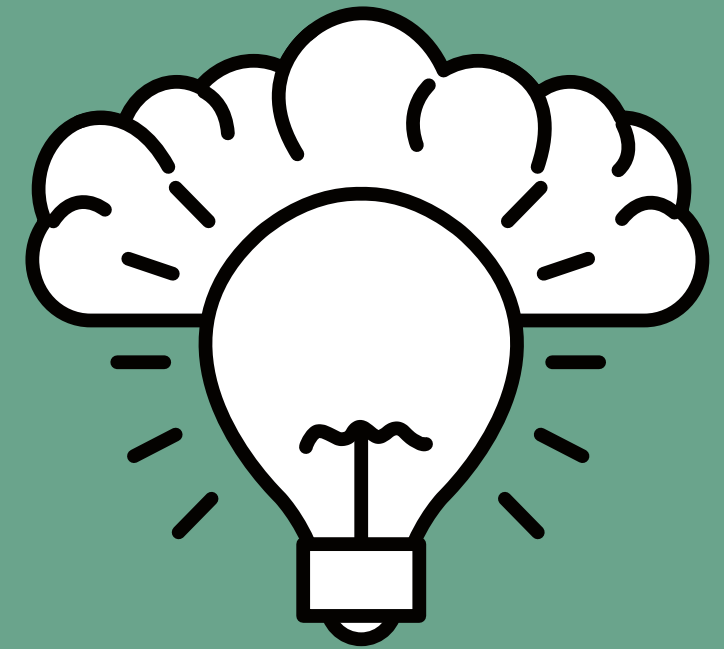
# Problem



- How do I find a paper?
- Do I need to read every section of each article to understand it?
- If not, **which sections** should I focus on?

# HOW DO I FIND A PAPER?

As with any task in the research process, you need to have a clear plan of action before you get started, or you'll end up wasting a lot of time and energy. So it's useful to develop a simple **search strategy**.



- **Decide on a specific topic/problem**





- **List down all keywords**

List of keywords or keyphrases, based on the golden thread.

You'll also want to include synonyms and alternative spellings in your list

Combine those keywords with “deep learning”, “machine learning” or “neural networks” to get needed results.

- **Explore the Web for Resources**

- Standard Google search

[Google Scholar](#)

[Semantic Scholar](#)

[Research Gate](#)

- Search paper with its code

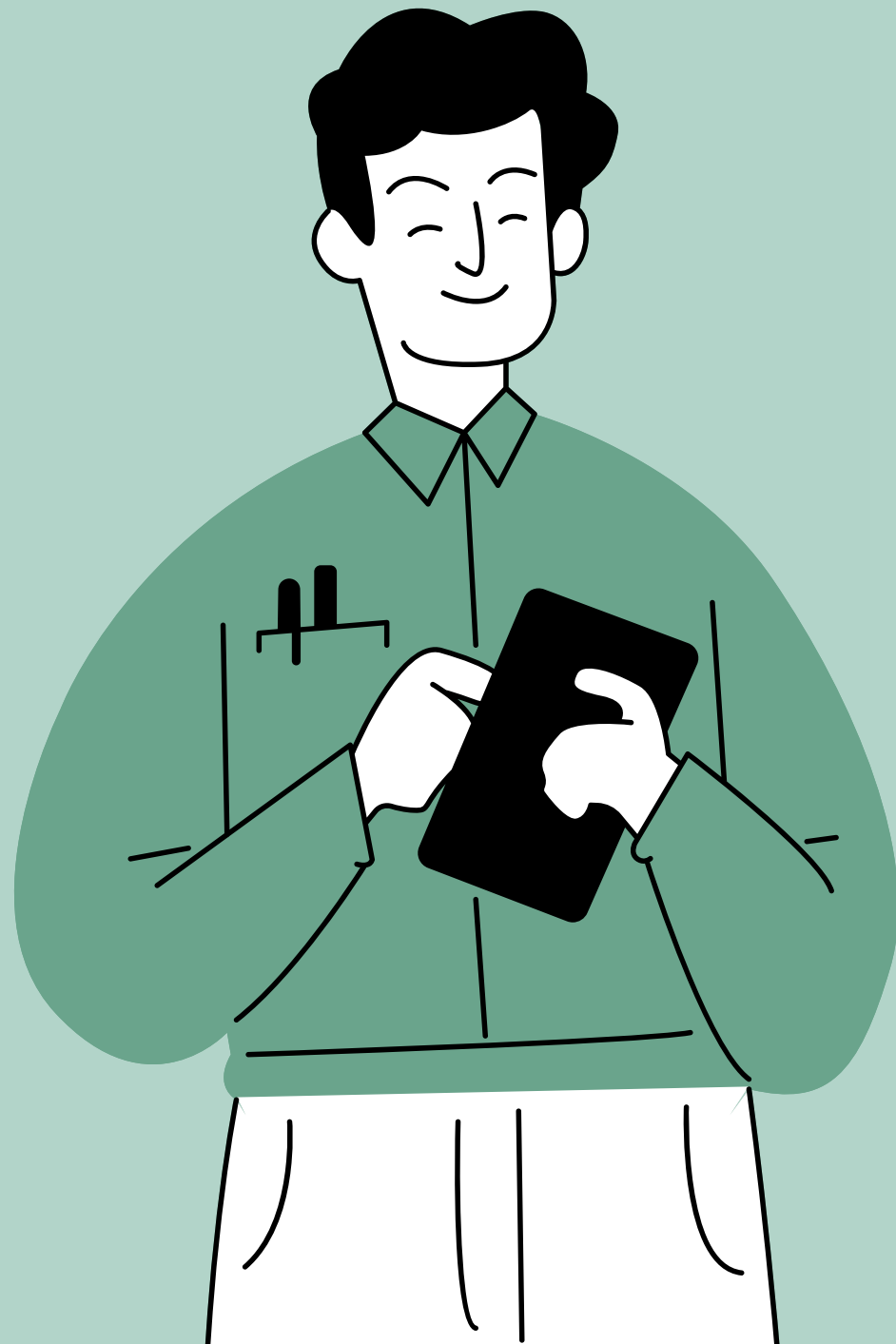
[ResearchCode](#)

[Papers with code](#)

- Search the top AI journals and conferences



# Some Top AI journals and conferences



- PAMI – IEEE Transactions on Pattern Analysis and Machine Intelligence
- Journal of Machine Learning Research
- ICCV – International Conference on Computer Vision
- CVPR – Computer Vision and Pattern Recognition
- NIPS
- ICLR
- ICML
- ICDM
- IJCAI
- AAAI

# Do I need to read every journal article to make sure I cover everything?

- **Authors**

[Research Gate](#)

[Google Scholar](#)

[ORCID Profile](#)

- **Date of publishing**

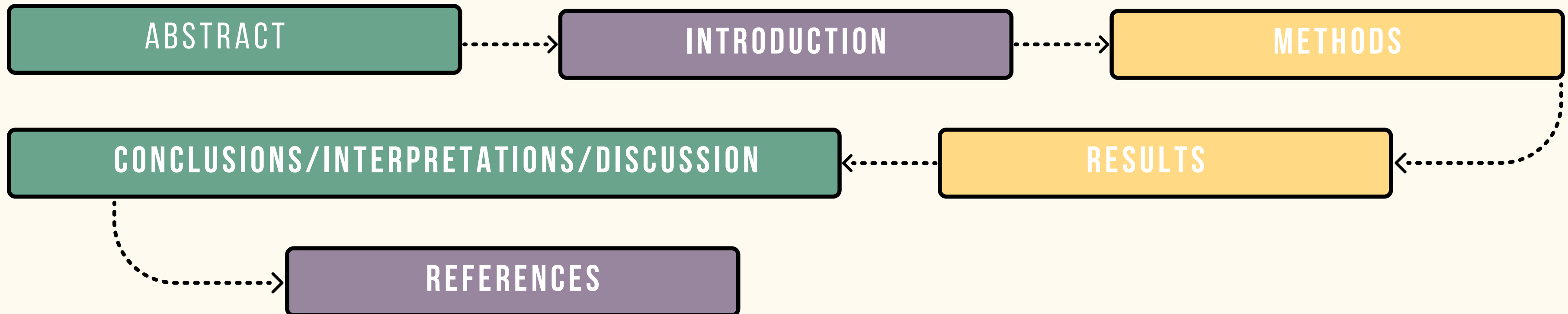
- **Number of Cites**

- **Rank of Journal**

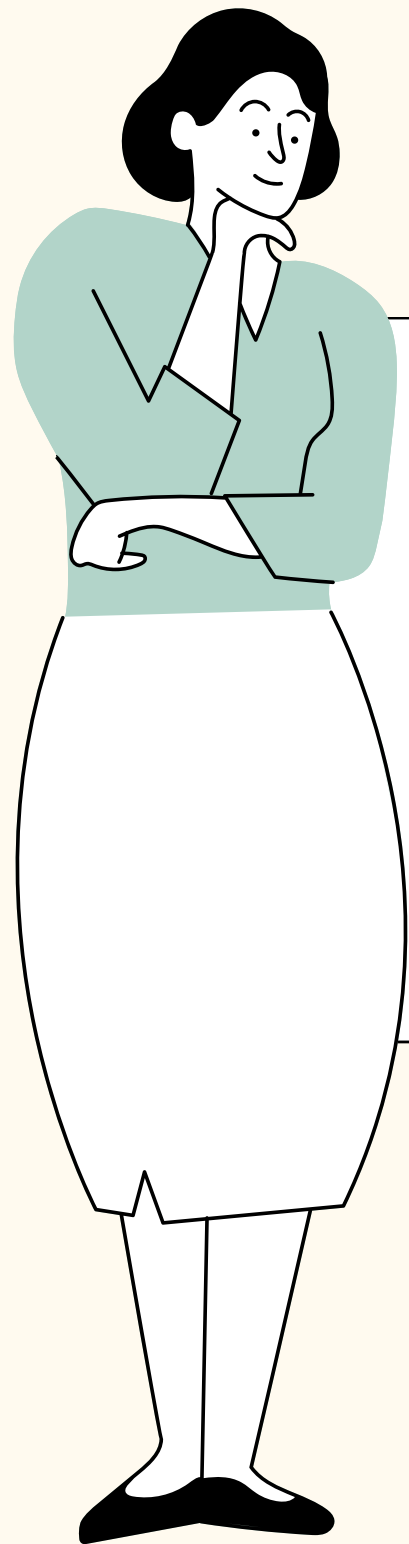
[Scimago Journal & Country Rank](#)



Most research papers will be divided into the following sections:



- **Do I need to read every section of each article to understand it?**



**No, you don't need to read every single word in each journal article..**

# How do I read a Paper?

- Don't start from the first page and finish at the last one
- Read it in multiple passes



## Step 1

Read the Title,  
**Abstract**, Figures

## Step 2

Read carefully

**Introduction**,  
**Conclusion**, Figures  
and skip the rest

## Step 3

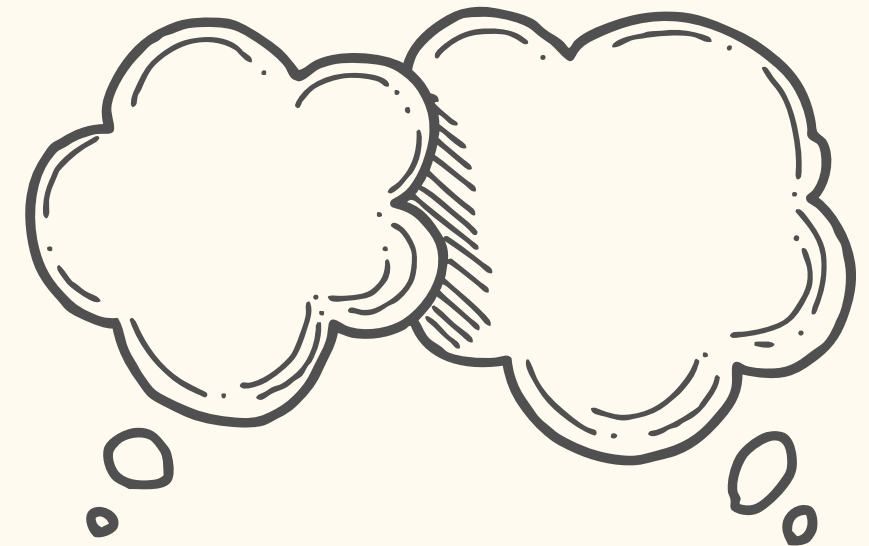
Methods  
but skip the math

## Step 4

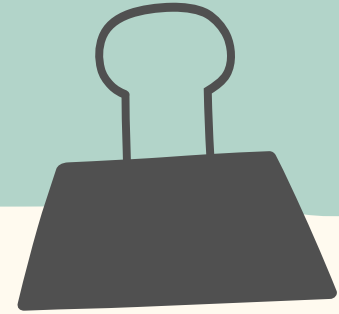
Read the whole  
but skip the parts  
that don't make  
sense.

# You Will Not Understand Everything in One Read !!

- Make a list of each word/term that you don't understand.
- Pause and look-up the meaning of the word.







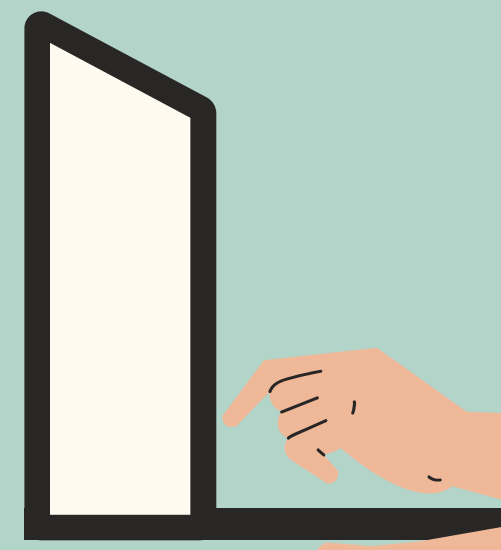
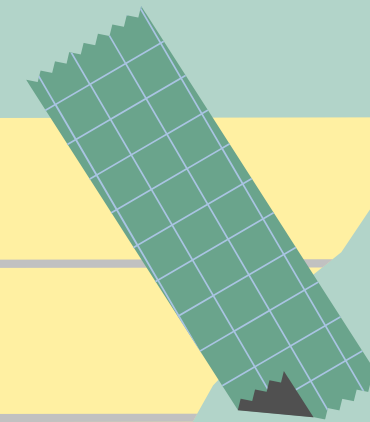
**Don't Ignore the  
References**



THANK YOU FOR  
LISTENING!

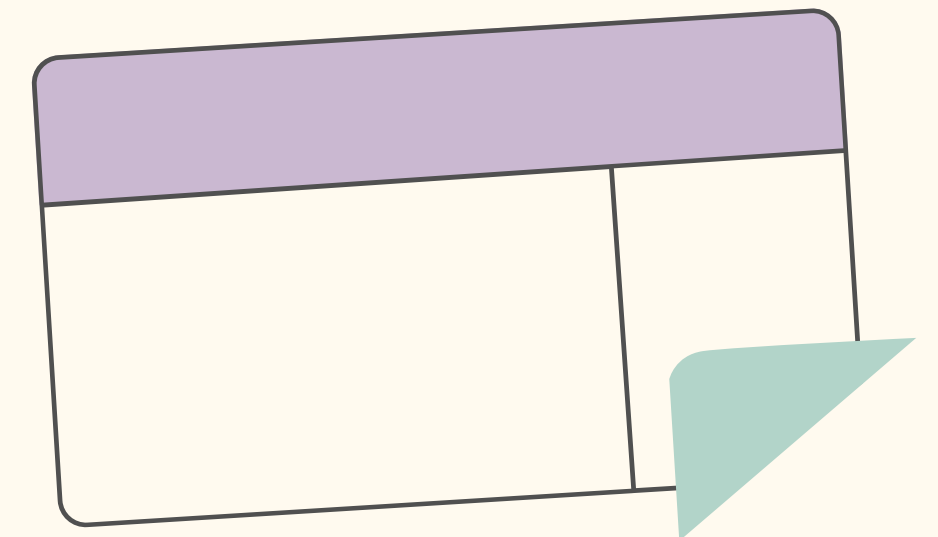
But stay where you are:)

LET'S READ A PAPER



# Use a reference manager

Recommended



# It's your turn :)

Search 5 min	<ul style="list-style-type: none"><li>• Classification and prediction of student performance data using various machine learning algorithms</li></ul> <p>*Authors: Harikumar Pallathadk et al</p>
Read 10 min	<ul style="list-style-type: none"><li>• Abstract</li><li>• Introduction</li><li>• Conclusion</li></ul>
Present 5 min	<ul style="list-style-type: none"><li>• A summary of what you understood</li></ul>