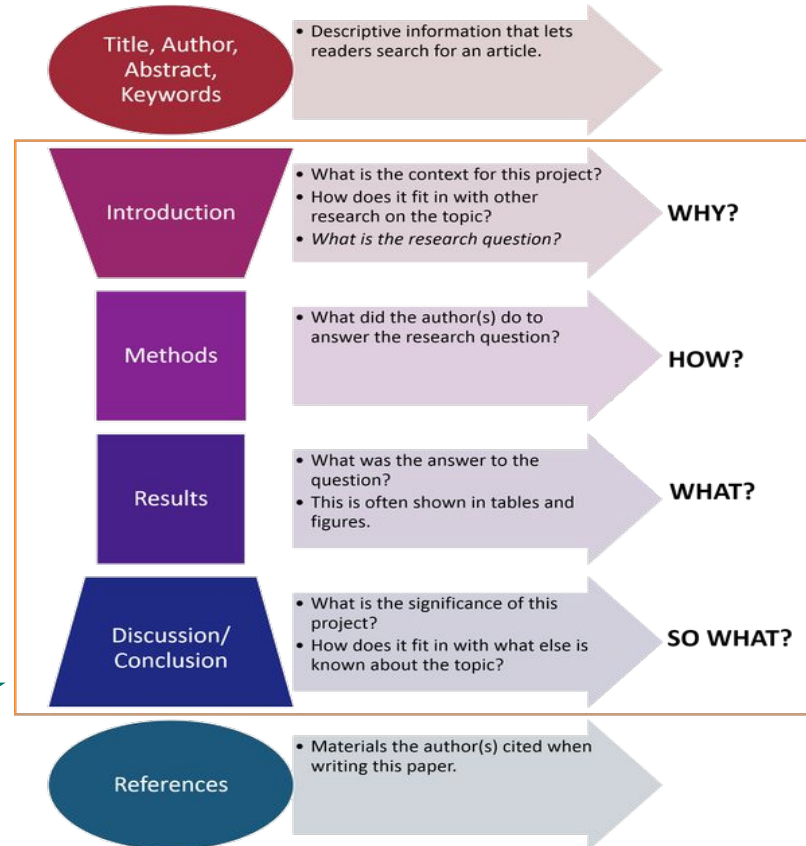


How To Read A Scientific Paper

ASTR 8500
Simran Kaur



What is a Scientific Paper?





Graduate Students

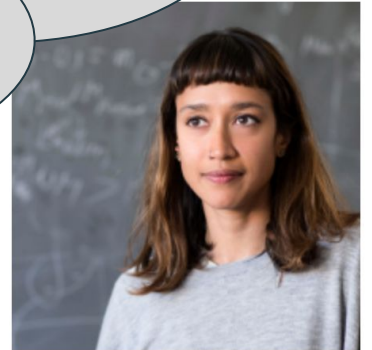
- Read abstract and conclusion
- Skim
- Take notes
- Highlight key points



Dr. Nitya Kallivayalil

Big question: What you
want from paper?

General Idea 
Or
Technical Part 



THE THREE – PASS APPROACH

Keshav et al.



1st Pass : Select
~15 mins
Abstract, Introduction, Conclusion

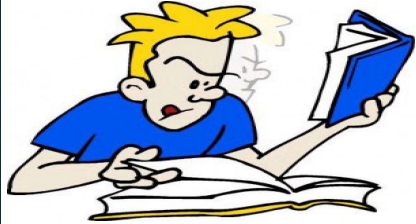


2nd Pass : Understand
~2 hrs
Methods, Experiments, Discussion



3rd Pass : Implement
~2-3 days
Re-implement in your mind, code

1. SKIM



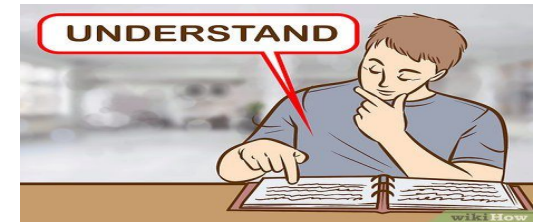
2. RE- READ



3. INTERPRET



4. SUMMARIZE



Summary

- Read abstract and conclusion to get a general idea of paper.
- Read the paper again and ask question to yourself (what problem is the study trying to solve).
- Read discussion and results, look for key issues and new findings.
- Take notes and highlight key points on the paper.

Resources

- <http://ccr.sigcomm.org/online/files/p83-keshavA.pdf>
- <https://www.elsevier.com/connect/infographic-how-to-read-a-scientific-paper#:~:text=Reading%20a%20scientific%20paper%20should,tabs%20opened%20in%20your%20browser.>