# ARTIFICIAL INTELLIGENCE FOR ACADEMIC/RESEARCH PRODUCTIVITY

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AGENDA

- Introduction
- Role of AI in academic and Research
- Effective Techniques and Strategies for Information Searching
- Search Generative Experience (SGE)-Google's latest AI invention
- Using AI correctly and ethically for academic writing and research
- AI tools for writing Essays and research articles
- AI tools for Citations and Referencing
- Prompting AI
- Plagiarism: Writing, Paraphrasing, Summarizing with AI
- Conclusion
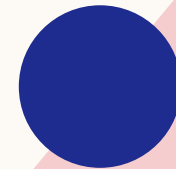
INTRODUCTION

A few decades ago, it was a case of information explosion. Now, what we have is not only an information explosion but an AI explosion. There are many AI tools for different tasks.

 AI is a disruptive technology as it is reshaping how we do things.

Role of AI for academics and students is unending.
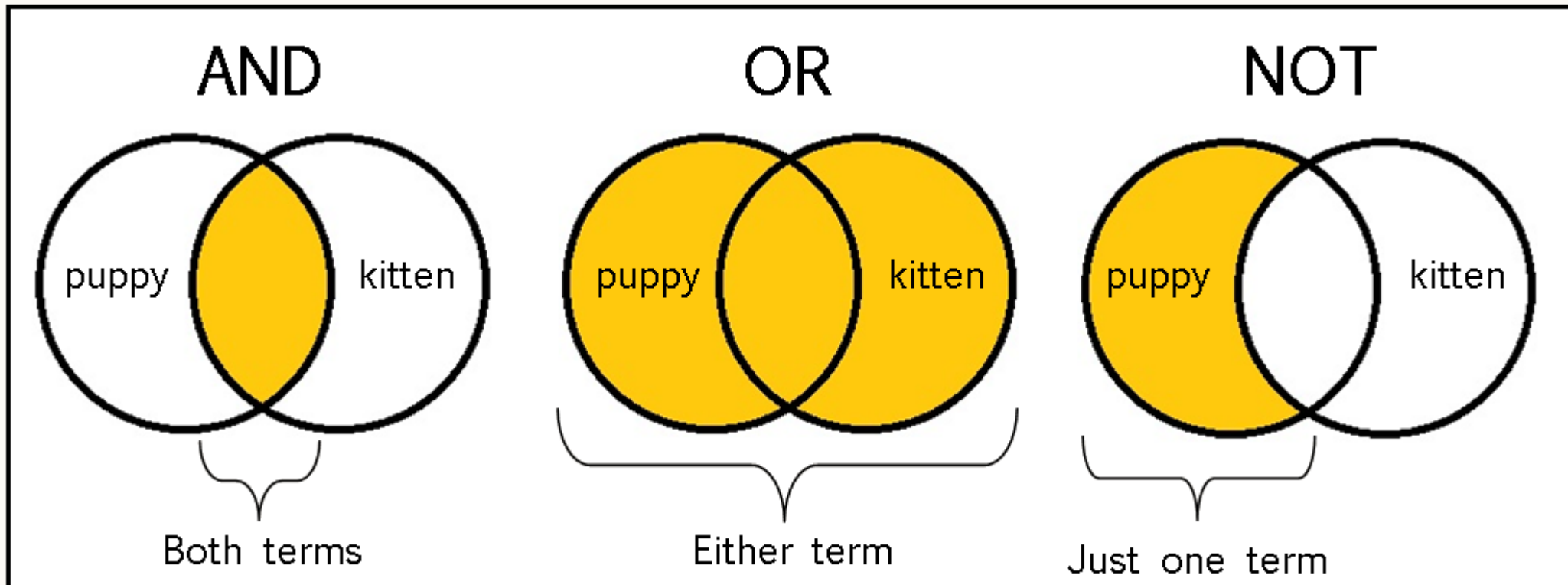
ROLES OF AI IN RESEARCH

- For learning and research
- For synthesizing and summarizing
- Content creation
- providing guidance or answering questions related to data analysis concepts, methodologies
- Critical thinking
- Boosting Productivity

AI IN RESEARCH
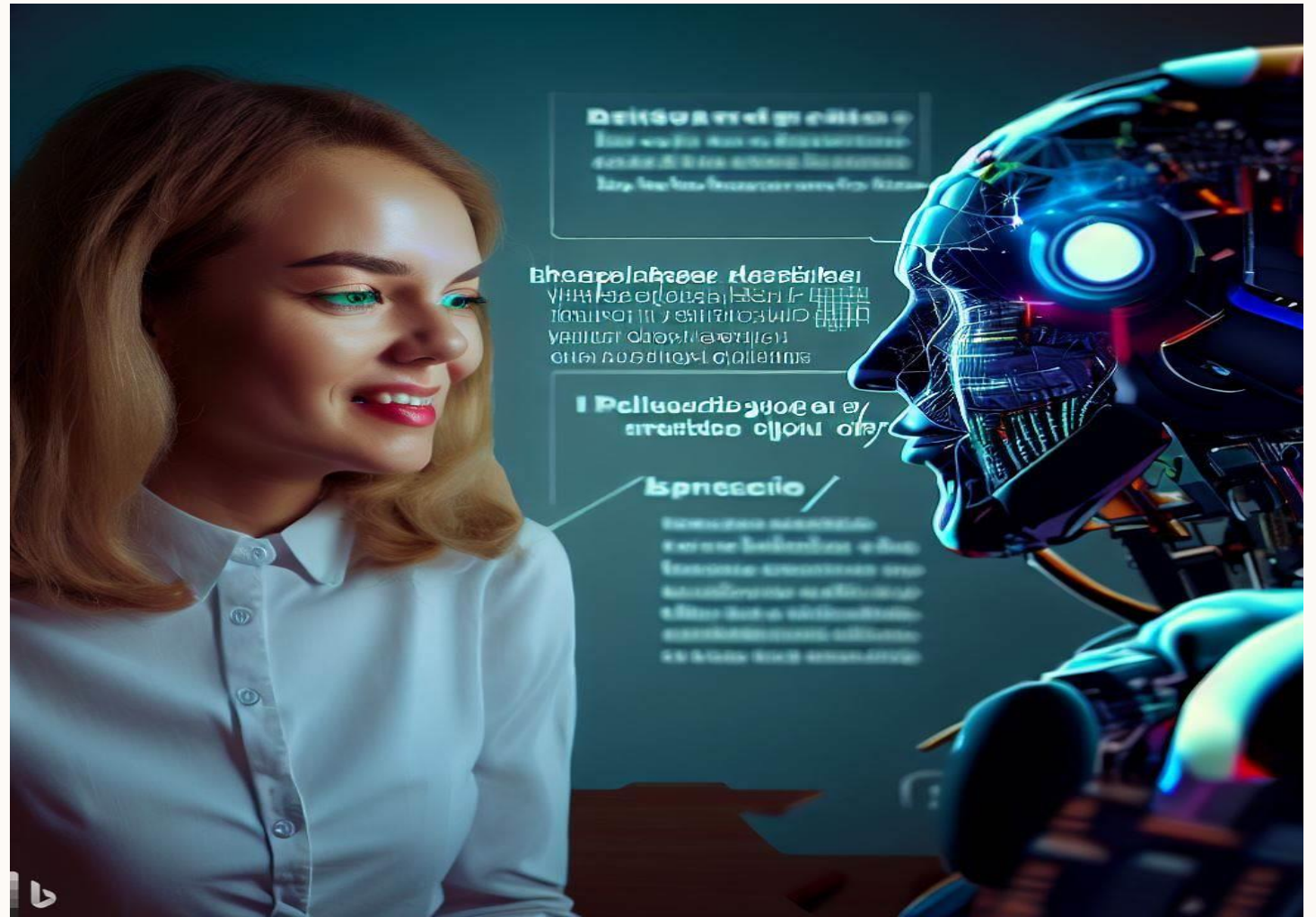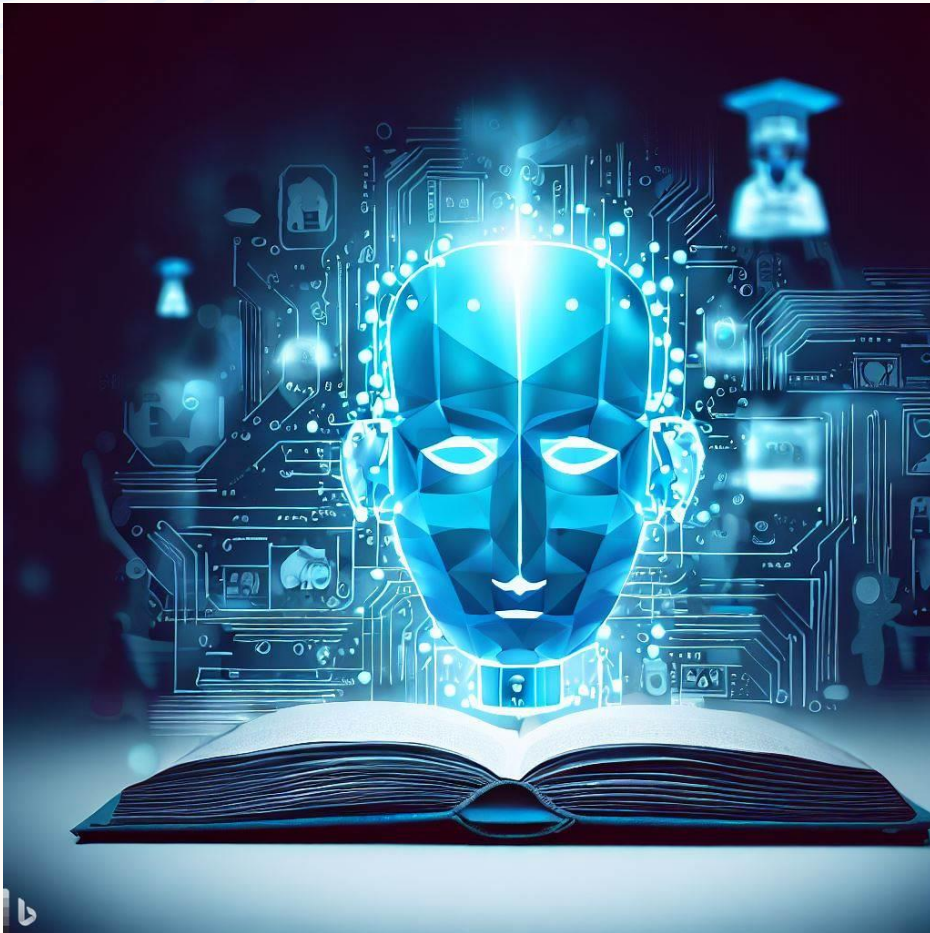
EFFECTIVE TECHNIQUES AND STRATEGIES FOR INFORMATION SEARCHING

- Use of Boolean operators

7

" **FAIRNESS IN PERFORMANCE APPRAISAL.**

"

Use of Quotation marks

Truncation

The ability to search just a portion of a word.

*

psychol*   psychology
            psychological
            psychologist

environ*   environment
            environments
            environmental

GENERATIVE AI GOOGLE'S NEW AI SEARCH

Search Generative Experience (SGE), SGE,
Google's latest AI invention, makes search
more conversational, contextual, and creative
with generative AI.

WRITING ESSAYS/PAPERS

In the beginning

KNOW HOW TO WRITE AN ESSAY OR PAPER

Introduce your argument in the introduction, support it with evidence in the body, then conclude.

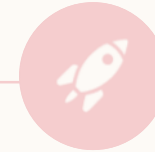### CREATE AN OUTLINE

Introduction
Body
Conclusion

USE ORIGINAL SOURCES

Google Scholar
Emerald
ScinceDirect
PubMed
Sci-hub

USE AI ETHICALLY

Ask chatgpt specific questions about the original articles

WRITE CRITICALLY

Be critical (both sides of the coin) "And so what'".

HOW TO USE CHATGPT CORRECTLY AND ETHICALLY FOR ACADEMIC WRITING AND RESEARCH

TIP 1: USE BASIC PROMPT STRUCTURE

TIP 2: USE ORIGINAL SOURCES

TIP 3: ASSIGN A TONE, STYLE OR AUDIENCE

TIP 4. GIVE CHATGPT A SPECIFIC EXPERT ROLE

TIP 5: USE IT TO GET CLARIFICATIONS

TIP 6: MAKE ADJUSTMENTS WHERE NECESSARY

- What action to perform
- What format to output
- Give it a role or style

- Tell Chatgpt to
- Summarize
- Present main arguments
- Critique it
- Änd so what?

E.g "explain the role of fairness in performance appraisal. Write it in an academic style".

E,g "You a professional writer and researcher, critically examine the role of the lines manager in performance appraisal"

E.g: I am writing an essay on (topic) and my lecturer asked (question). What is required of me?

Iterate and iterate

AREAS OF FOCUS

B2B MARKET SCENARIOS

- Develop winning strategies to keep ahead of the competition
- Capitalize on low-hanging fruit to identify a ballpark value
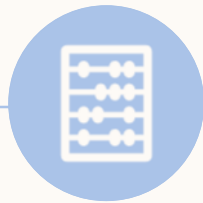- Visualize customer directed convergence

CLOUD-BASED OPPORTUNITIES

- Iterative approaches to corporate strategy
- Establish a management framework from the inside

USE GOOGLE SCHOLAR TO ADD SOURCES

Google Scholar
https://chrome.google.com/webstore/detail/google-scholar-
button/ldipcbpaocekfooobnbcddclnhejkcpn

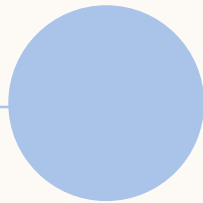# AI TOOLS FOR WRITING ESSAYS AND RESEARCH ARTICLES

CHATGPT

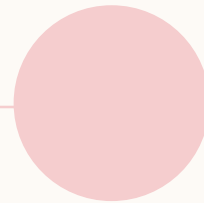- https://chat.openai.com/auth/login

WISIO

- https://project.wisio.app/dashboard
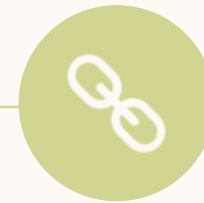
JENNI.AI

- https://jenni.ai/

AI TOOLS FOR WRITING ESSAYS AND RESEARCH ARTICLES

SCISPACE COPILOT

- https://typeset.io/

GOOGLE BARD

- https://bard.google.com/

MYBIB CITATION GENERATOR

- https://www.mybib.com/#/projects/aJxryJ/citations

QUILLBOT

- https://quillbot.com/
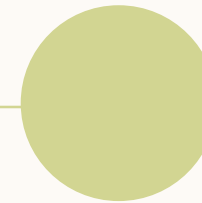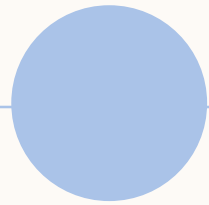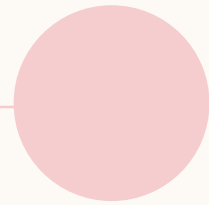
GRAMMARLY

- Grammarly: Free Writing AI Assistance
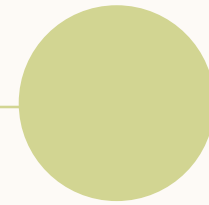
CHATDOC

- https://chatdoc.com/

AI TOOLS FOR WRITING ESSAYS AND RESEARCH ARTICLES

EXPLAINPAPER

- https://www.explainpaper.com/

ELICIT AI

- https://elicit.org/

PROMPT TEMPLATES

https://mysmartstudent.ck.page/1e299d162c
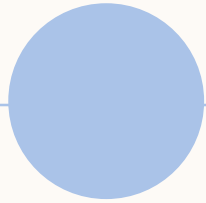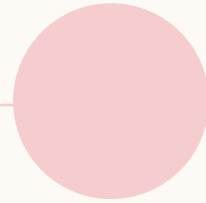
PLAGIARISM IMPLICATIONS

WHAT IS PLAGIARISM?

- **Plagiarism is defined as the act of utilising another individual's work without appropriate attribution.**
- **Directly copying and pasting text, rephrasing content without proper citation, and engaging in self-plagiarism.**

PLAGIARISM IN THE ERA OF PLAGIARISM CHECKERS

- With the advent of plagiarism checkers like plagiarism checkers X, Turnitin, Enago, iThenticate etc, the meaning of plagiarism has changed.
- As long as there are three or more consecutive words take from an original source, any good plagiarism checker will read it as plagiarism.

TYPES OF PLAGIARISM

- Copying and pasting text from a source without attribution
- Paraphrasing without appropriate attribution constitutes plagiarism
- Self-plagiarism

HOW TO PREVENT PLAGIARISM
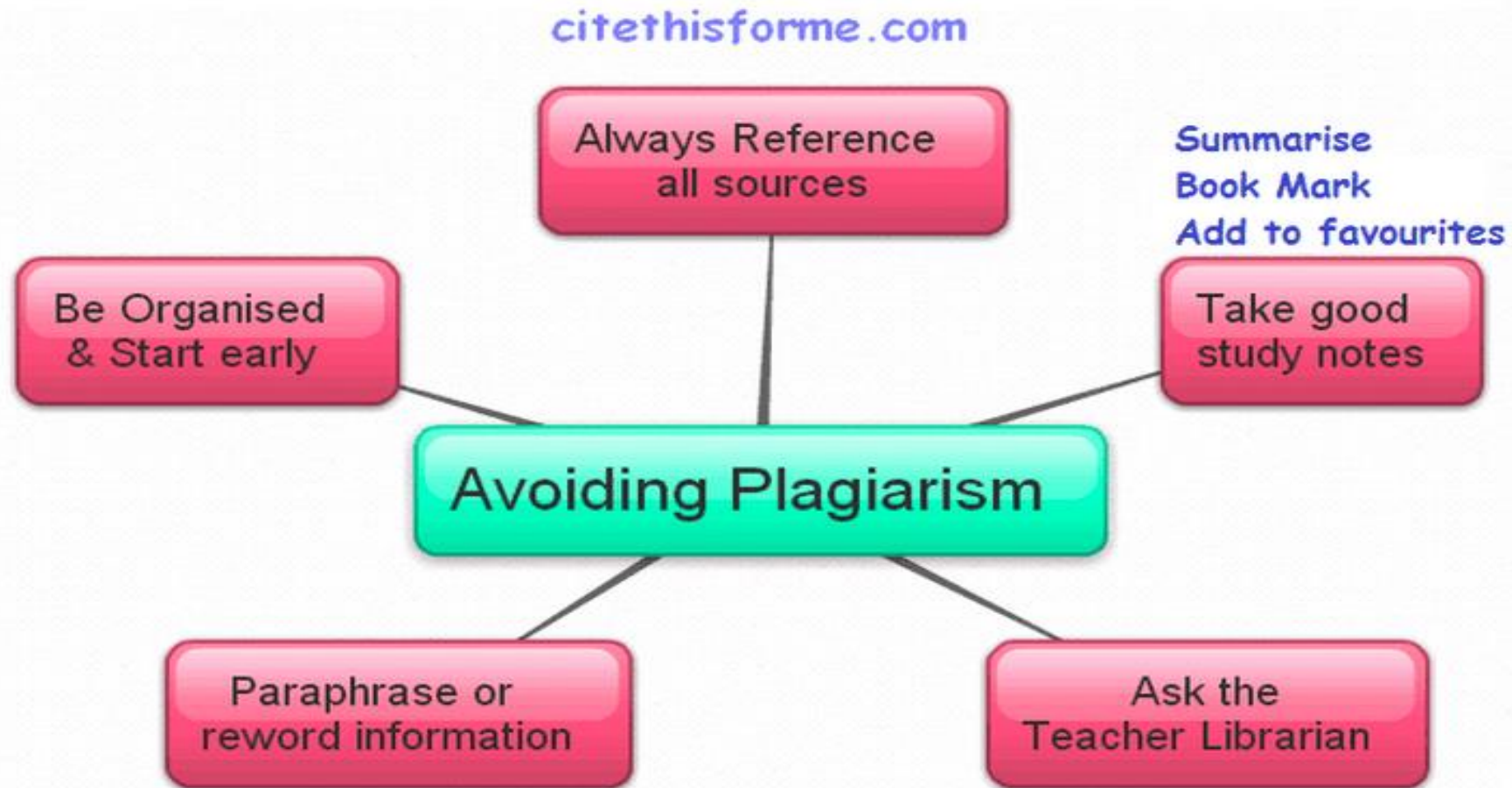
AI TO PREVENT PLAGIARISM

- **Paraphrasing tools like Quillbot**
- **MyBIb citation generator**
- **Easybib**

THANK YOU