

Week 3 - Presentation

Critical Analysis of a Research Paper

- The paper should focus on the field of **Natural Language Processing (NLP)** and provide relevant domain knowledge.
- A **conference paper** is preferred for this task. However, if you choose to research a **journal paper**, it should be limited to a maximum of **8-9 pages**.
- Areas to be covered on presentation :

1. Introduction

- a. Title of the paper.
- b. Research Problem/Objective (What problem does the paper address ?).
- c. Motivation (Why is this important ?).

2. Related Work

- a. Previous Work / Research (Summarize key papers related to the topic).
- b. Limitations of previous work (What were the gaps in the past research ?)
- c. How is this paper different ? (How does the paper build on or differ from existing methods ?).

3. Methodology

- a. Proposed Approach (Explain Method, models, ML techniques, or frameworks).
- b. Key techniques / Tools (Mention any mathematical tools, ML techniques, or frameworks).
- c. Implementation Details (Datasets, parameters, software or hardware used).
- d. Diagram or flow charts (Visual representation of the approach).

4. Results

- a. Experimental Setup (How was the approach tested ? what metrics were used ?)
- b. Comparison with other methods (Tables / Graphs showing performance against existing methods).
- c. Key Findings (Summarize the most important results).

5. Critical Analysis

- a. Strengths (What are the strong points of this paper ?).
- b. Weakness (What are the limitations or shortcomings ?)
- c. Possible Improvements (What could be done better ?).

6. Conclusion

- a. Summary of Findings (What did the paper achieve ?).
- b. Impact and Future work (How does this work contribute to the field ?).
- c. Final Thoughts (Your takeaway from this paper).