

CSC 4309 Natural Language Processing
(Sem 1 2021/22)

Group Paper Review & Oral Presentation (10%)
Submission of Pre-recorded Presentation & Summary of Reviewed
Paper: Mon, 4 Jan 2022 (by midnight)

Venue: Pre-recorded (Max 5 minutes for each member)
(*To submit all video recordings a single zip file)

1.0 What is a review article?

- A critical, constructive analysis of the literature in a specific field through summary, classification, analysis, comparison.

2.0 What is the function of a review article?

- to organize literature
- to evaluate literature
- to identify patterns and trends in the literature
- to synthesize literature
- to identify research gaps and recommend new research areas

3.0 Who is the audience of review articles?

- experts in specific research areas
- students or novice researchers
- decision-makers

Instructions

Read, review and summarize the contents of the paper that you have selected. Write a 2- page review on the paper that includes the following items. Each member of the group has to prepare and submit a pre-recorded presentation of parts of the review (discuss with your group members to assign your parts of the paper). The final summarized review (2 page-only) will be submitted by the group leader once all members has submitted their parts in writing (all members will write a summary of their parts, the leader will be the last to compile and edit). *To all members, please co-operate and contribute.

Contents of the paper review:

1. Summary of the paper

- Summarize the paper in a short single paragraph. Your summary shall just state the following items without the need to elaborate:
 - What is the paper all about?
 - State the objective/goals of the research
 - State the research problem addressed by the authors (what are the authors trying to solve?)
 - State the methodology used
 - State the results achieved

2. Contribution of the paper

- **Provide a conceptual overview of the paper**

Short introduction to the research

- What is the main question addressed by the research?
- Is the research work relevant, interesting and important?
- How original/novel is the topic?
- Is the paper well written? Is the text clear and easy to read?
- Focus on successful aspects of the paper

- **Provide analytical and critical review of the paper**

Methodology used in the research

- Describe the algorithm/technique used
- Are the experimental design and methods sound and appropriate?
- Is the research process done systematically?

Discussion on analysis of results

- Describe the results achieved by the authors
- How good/reliable are the results?
- Is the sampling/data used sufficient?
- Are the data processing steps precise?
- If the paper includes tables or figures, what do they add to the paper?

Conclusion of the research

- Describe the results achieved by the authors
- Do the authors address the main questions posed (are the research questions answered)?
- Are the conclusions consistent with the evidence and arguments presented?
- Are there any contradictions between the authors initial claims with the results presented (did the authors deliver as promised)?
- Conclude your opinion about the paper with possible suggestions for future research.

References:

1. <https://authorservices.wiley.com/Reviewers/journal-reviewers/how-to-perform-a-peer-review/step-by-step-guide-to-reviewing-a-manuscript.html>
2. http://ueberfachliche-kompetenzen.ethz.ch/dopraedi/pdfs/Mayer/guidelines_review_article.pdf