DSA 557 1.0 Scientific Writing: Assignment 1

Total marks: 20 marks

Tasks:

1. Select a paper related to data science and artificial intelligence from https://arxiv.org/

2. Write a review report on the manuscript according to the "review criteria" at https://revistas.uma.es/index.php/ejfb/peer-review-process

A screenshot of the corresponding section is given below:

- Importance
    - The manuscript addresses an important question.
    - The work described is innovative in nature, approach, or scope.
    - The manuscript has potential to advance the discipline.
- Justification/Rationale
    - The work is well-motivated and is appropriately grounded in theory and prior literature.
    - The paper falls within the mission, aims, and scope of this journal.
- Clarity and Format
    - Is the paper clearly written and in 6th APA style. Is there appropriate inclusion of references, and does the paper use an adecuate language that is free of bias?
    - Does the paper have adequate organizational coherence (e.g., is the heading structure clear and helpful to the reader?
    - Does the flow of the sections work well to convey the key points?
- Methods/Approach
    - The overall strategy, methodology, research design, and techniques are clear, well-reasoned, appropriate, and current.
    - Information needed for reproducibility is provided.
    - The methodology was implemented with rigor.
    - Appropriate data analyses were selected given the purpose of the study and research questions.
- Results/Finding
    - Data analyses were conducted appropriately and reported with clarity.
    - Other results and findings are clear, well-reasoned, and succinct.
    - Tables and figures in the body of the manuscript are clear and effective.
    - Appropriate use of supplemental material is incorporated.
- Discussion/Conclusions
    - The results/findings are synthesized and interpreted within the context of previous literature, existing models, or theories.
    - Implications of the study have been considered and practical implications have been addressed.
    - Important study limitations are acknowledged.

3. Comment on the writing style of each section of the paper (Introduction, Literature Review, Methodology, Data Analysis, Discussion, and Conclusions).

4. Use the Overleaf (https://www.overleaf.com/) to prepare your report. Share your overleaf project with me via ttalagala@sjp.ac.lk

Due date: 6 January 2023

Late submission: Submitting late work will be penalized by 1 mark per day.