

Review of: "Tweeting AI: A Machine Learning Approach for Bird Species Detection and Classification"

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Potential competing interests: No potential competing interests to declare.

The abstract and introduction does present the issue of declining bird populations and the need for efficient monitoring. The goals of the study are clearly outlined, including the introduction of the "Tweeting Al" model and its potential applications for bird species recognition and conservation.

This paper did not clearly present does not clearly present the significance of the novel contributions being made. It seems to lean more towards a hands-on tutorial than a research article, as it extensively describes processes like model training, which could be better suited for supplementary materials.

Redundant Information: Several sections of the paper exhibit redundancy by containing information that can be readily found in other articles or could be appropriately cited. The excessive use of screenshots for training processes could be reduced, allowing for a more concise and focused presentation. The "Working Process" section redundant, offering little additional value to a research article

Methodology and Novelty: The methodology lacks proper mathematical modeling and detailed explanations, particularly in the System Model, Architecture, and Working sections. The explanation of the CNN (Convolutional Neural Network) and YOLO method is suggested to be removed, be better as an abstract overview or just a citation and focusing on novel aspects of their approach.

Literature Review: The literature review is insufficient, lacking recent and relevant references to contextualize the research within the broader field. A more comprehensive literature review would strengthen the paper's foundation and demonstrate its contribution to existing research.

Benchmarking and Evaluations: The paper could benefit from a discussion on benchmarks and evaluation metrics suitable for bird species recognition, providing readers with a clearer understanding of model performance.

Results Presentation: Instead of relying solely on screenshots, the paper should consider presenting results using graphical/statistical plots or visualizations to enhance clarity and interpretation.

Overall, the paper's current version is not recommended for publication due to its lack of novel contribution, insufficient depth and redundancy. Authors are advised to enhance the depth of their contributions, provide more comprehensive results, and strengthen the methodological aspects of their work. The paper should focus on refining its methodology,



improving its literature review, removing relevant and redundant information and presenting results more effectively to enhance its research quality and potential for publication.