

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

Gusti Ahmad Fanshuri Alfarisy¹

¹ University of Brunei Darussalam

Potential competing interests: No potential competing interests to declare.

This paper presents object detection for bird species using YOLOv5. Unfortunately, the presented information does not contribute to scientific development. The authors focus on describing rather than analyzing the research questions. Some suggestions to improve the manuscript:

1. Tweeting AI seems not a novel technique. There is no profound discussion about Tweeting AI and how this jargon is different from the available literature. The authors can remove this from the title.
2. The authors could improve the abstract by adding the research questions and solutions at the end. For instance, the authors could state the performance using the current approach compared to the available literature.
3. I think the author's statement "Developing a new method for collecting comprehensive data on birds' behaviors that is more efficient than traditional survey methods." may be not true as the Authors only employ YOLO. Is there any algorithmic improvement that the author proposes?
4. The section "CNN" can be omitted as it is widely used today for visual recognition. The authors could add more literature in the literature review related to object detection as the references are also highly few. These few references may show the lack of knowledge of the authors. I suggest adding more.
5. In the methodology part, please focus on the YOLOv5 as your research employ this technique. Visual graphics illustrating the process of YOLOv5 is more valuable.
6. I suggest replacing section VI with "Experimentation and Discussion" where the subsections are: dataset, experimental settings, and discussion. Please omit the code in your manuscript. You can create a public repo on Git Hub and share the link in your manuscript.
7. In conclusion, please state briefly what you are doing with the results and objective suggestions. The future work can be presented in a paragraph without a subsection.

Good luck with your next research and/or revision.