Qeios

Peer Review

Review of: "An Intelligent Analytics for People Detection Using Deep Learning"

Anubha Bhaik[1]

1. Institute of Electrical and Electronics Engineers (IEEE), Piscataway, United States

1. Introduction:

Sections 1.1-1.3 can be combined into a single introduction paragraph.

1.1. Traditional Approaches vs. Deep Learning

Please remove placeholder and irrelevant text: afddfggf

1.3. Advantages of Deep Learning for People Detection

Please correct this: if advantages are stated, the word "drawbacks" should not be mentioned.

“Despite the advantages of people detection, there are its drawbacks such as:”

In Figure 3, please write complete label names for - BBx_pred and Cls_prd, and explain what they mean.

2. Literature Review: Applications of People Detection with Deep Learning

A more detailed literature survey is preferred, where citations are added per finding. Define specifically which source is related to which specific point.

2.1. The Impact on Safety and Efficiency

Add quantitative references if available.

2.2. Applications of Intelligent People Detection

Replace “{m/35,36,39?/}” with correct references or remove.

3. Method: Applying Deep Learning Models for People Detection

3.1-3.4: Provide dataset statistics, mention any data augmentation techniques. Clarify how behaviors are labeled - like who labeled, what criteria.

4. Results: Comparing the three models

doi.org/10.32388/WF3RBG

Add precision, recall, and F1-score per class. If possible, include confusion matrices. Provide a visual comparison of outputs for the same frame across models.

5. Conclusion

Link results back to the aim of the research, like which model is best suited for *behavior* detection, not just people detection. Add future work suggestions like pose estimation, transformer-based detectors, multi-sensor fusion.

Overall, the paper addresses a relevant and timely problem with clear comparisons between CNN, YOLO, and Faster R-CNN for behavior detection.

With tighter writing, clarified methodology, and richer quantitative results, it can make a strong and well-structured contribution to the field.

Declarations

Potential competing interests: No potential competing interests to declare.