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

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Potential competing interests: No potential competing interests to declare.

The research focuses on leveraging advanced deep learning architectures, specifically Convolutional Neural Networks (CNNs), You Only Look Once (YOLO), and Faster R-CNN, to improve the accuracy and efficiency of detecting human behaviors in various contexts such as security, healthcare, and human-computer interaction. The author emphasizes the importance of real-time analysis and the ability to interpret body language and posture as critical components of effective people detection systems.

The manuscript delves into a noteworthy and expanding field of inquiry in computer vision and artificial intelligence, specifically concerning security and user engagement.

The author offers a thorough analysis of several deep learning models, stressing the advantages and disadvantages of each in terms of precision, speed, and complexity. Readers are better able to comprehend the trade-offs when choosing a model for particular applications thanks to this comparison approach. By illustrating the suggested framework's possible impact in real-world settings like healthcare and surveillance, the discussion of its practical applications enhances the research.

To assess the models' performance, the study uses a methodical methodology, which raises the validity of the results.

Points of Improvement: Although the paper gives a decent summary of the models, a more thorough technical examination of the algorithms employed, including particular implementation details and parameter values, would be beneficial. By placing the research in the larger context of past studies and emphasizing how this work builds upon or deviates from earlier findings, a more thorough literature review could enrich the paper.

To conclude, Fatima Isiaka's work significantly advances the field of deep learning-based people detection. It is a helpful tool for academics and professionals interested in computer vision and human behavior analysis since it skillfully blends theoretical understanding with real-world applications. The manuscript has the potential to be a fundamental work for future research in this quickly developing field, provided that technical details and the literature context are improved.