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 author proposed "An Analytics for Person Detection Using Deep Learning". Its goal is to explore the power of deep learning-driven intelligent analytics for person detection and highlight its benefits, challenges, and potential applications. The paper is well structured and based on evaluating three different DL algorithms: CNN, YOLO, and Faster Region CNN. These algorithms seem appropriate and align with the paper's goal and new artificial intelligence trends. However, I wonder how they demonstrated the accuracy, speed, and complexity of the implemented algorithms or what their benchmark was. Furthermore, the paper needs a detailed description of the database used (number of samples, description of the captured images), algorithm parameter settings (number of layers and filters), performance metrics (accuracy, recall, F1 score, etc.), and comparison with other algorithms (machine learning, deep learning). I suggest the author discuss this clearly in this context.

My additional comments are below:

• A more detailed description of the background in human detection and the techniques that have been considered, to provide a general overview of the topic.

• The author must include a justification for the choice of these three algorithms over other techniques in the literature for this and other applications.

• The author considers a methodology for extracting attributes from video sequence inputs. However, its advantages and disadvantages over other methodologies such as wearable sensors, radars, LiDAR, etc. are not justified.

• I consider that the bibliography selection could be more selective; the author includes a large selection of works in only a short section of the manuscript. Furthermore, several references are not closely related to the work presented.

• Figures 1 to 3 are not self-descriptive or require a more detailed description, I suggest reviewing or changing them. Algorithm images can describe the model architecture in a general way.

• There are still some typographical errors in the article (e.g., repeated acronyms and orthography mistakes), the reviewer suggests the author to further refine the article.