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 authors explore the power of intelligent analytics driven by deep learning for people detection, highlighting its benefits, challenges, and potential applications. My comments are given below**:**

1. The introduction should provide a more detailed background on the limitations of existing people detection methods. Currently, the motivation for using CNN, YOLO, and F-CNN is not fully elaborated.
2. State-of-the-art comparison table is required.
3. Need to rewrite the conclusion in detail with contribution and methodology.
4. **Figures 1** are difficult to interpret due to low resolution or poor labelling. Authors will clearly draw the diagrams.
5. The authors describe a more comprehensive literature review would help contextualize the importance of integrating these algorithms and demonstrate how your approach advances the state-of-the-art.
6. The author introduces CNN, YOLO, and F-CNN, but the explanation of how these algorithms are integrated or utilized together lacks clarity. It would be beneficial to include a detailed description of the architecture and how these models interact within your system.
7. The experimental setup should be described in more detail.**This includes the datasets used**, pre-processing steps, and the training parameters for each model. Specific information about the hyperparameters and training duration would also be useful for reproducibility.
8. The evaluation metrics used to assess the performance of your approach need to be better justified.
9. Author, in addition to standard metrics such as precision, recall, and F1 score, consider including additional metrics like mean Average Precision (mAP) or Intersection over Union (IoU) to provide a more comprehensive evaluation.
10. **The results section should include a more detailed comparative analysis with existing state-of-the-art methods.**
11. Providing benchmark comparisons with recent people detection algorithms will highlight the advantages and limitations of your approach.
12. The authors discuss how well your method generalizes to real-world scenarios, including different lighting conditions, occlusions, and varying sizes of people. Any limitations in these aspects should be discussed thoroughly.
13. The conclusion should not only summarize the findings but also provide a clear direction for future research.
14. Authors, highlight any potential improvements or extensions to your method that could address current limitations or open up new research avenues.
15. The reference list should be updated to include more recent and relevant studies as given below.

DRLBTSA: Deep reinforcement learning-based task-scheduling algorithm in cloud computing

AI-empowered Fog/Edge Resource Management for IoT Applications: A Comprehensive Review, Research Challenges, and Future Perspectives

Deep Learning-based Workload Prediction in Cloud Computing to Enhance Performance

Overall, while the paper presents an interesting approach to**Intelligent Analytics for People Detection Using Deep Learning**, addressing these comments will strengthen the paper's contribution and clarity.