

# Review of: "Comparing YOLOv8 and Mask RCNN for object segmentation in complex orchard environments"

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**Potential competing interests:** No potential competing interests to declare.

1. Mask R-CNN is a deep learning model, not a machine learning model
2. There is a fault in Figure 9 (a, b, c) only, not

Figure 9: Figure illustrating wrong detection during the growing season orchard condition; the yellow region includes the focus area (a) Original image 1; (b) YOLOv8 identification and segmentation; (c) Mask R-CNN failed to identify; (d) Original image 2; (e) YOLOv8 segmentations; and (f) Mask-RCNN segmentation where it identified the leaf section as a green fruit

1. In section 4.1, the authors mentioned (Likewise, the performance of the Mask R-CNN model in segmenting immature green fruits, while not as high as YOLOv8's, still surpassed many recent approaches [70], [77], [81], [82], [85], [86]). It is not reasonable to mention 6 references for one sentence or result
2. Is it reasonable to use 101 references for this article!?
3. The authors used 101 references & compared them with 21 related works.!
4. What is the relationship between the subject of this article & a robot?