

発表番号08

Analysis of Image Annotation Method for One-Stage Object Detection Deep Learning Model

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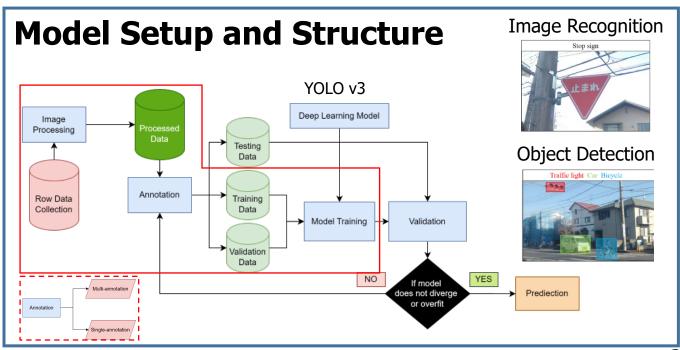


Outline

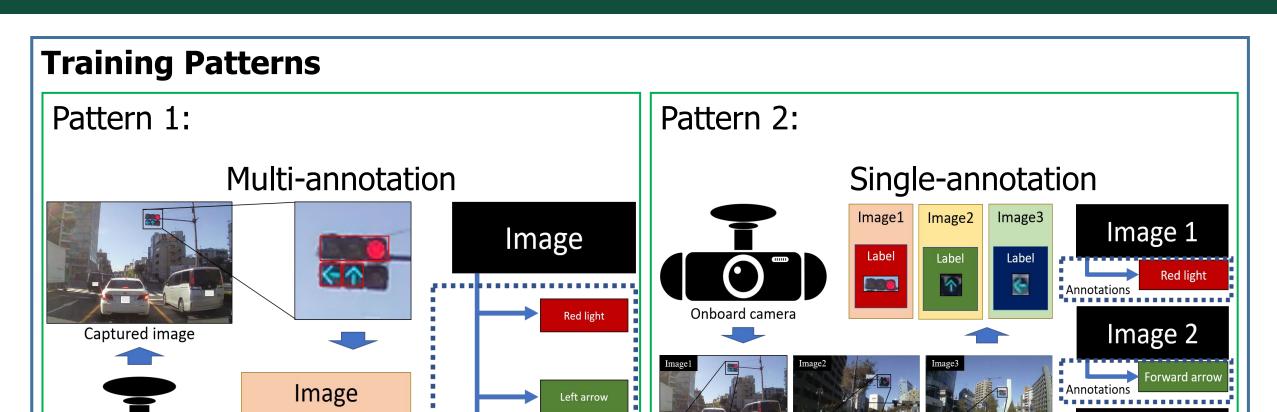
Overview

In this research, we apply two different training methods to the object detection deep learning model, Multi-annotation and Single-annotation. Each training method uses the different method of annotation.





Outline



Forward arrow



Image 3

Left arrow

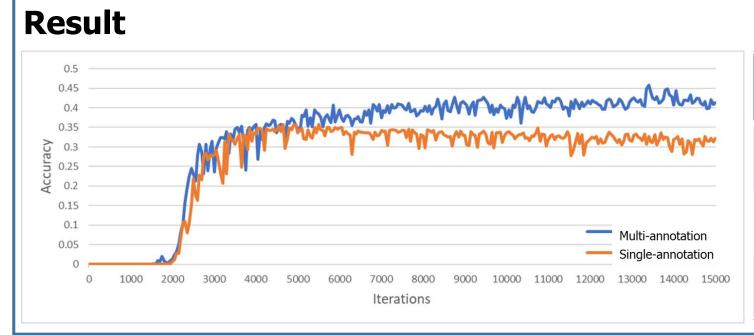
Onboard camera

Label

Label

Annotations

Outline



Pattern	mAP
Multi-annotation	41.28 %
Single-annotation	32.28 %
Improvement	9 %

Conclusion

- As the result, the accuracy of pattern 1 is 9% higher than pattern 2.
- Improve the accuracy only changing the annotation during the training process.

