

# **Report**

**Model: fcos\_R\_50\_FPN\_1x\_v01**

**Dataset: test**

# Introduction

## Dataset description

This is the test dataset. This is the test dataset.

## Extra information

This is extra optional introduction. This is extra optional introduction.

## Train plots

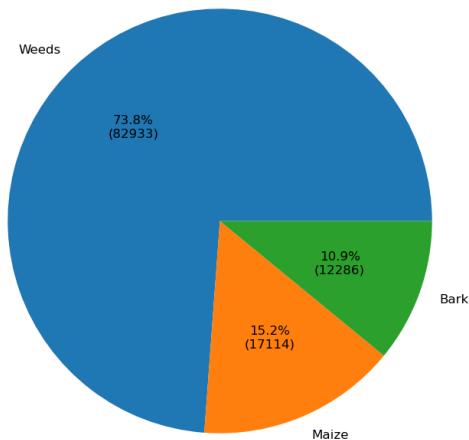


Figure 1. Class distribution for validation dataset

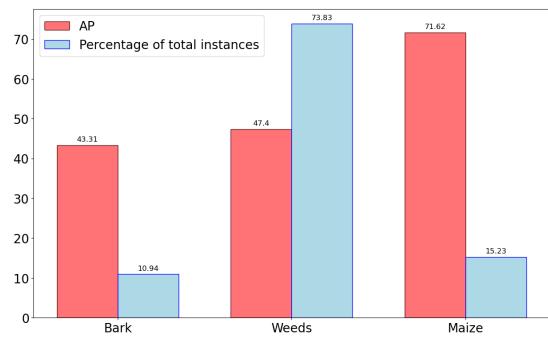


Figure 2. AP and percentage distribution per class

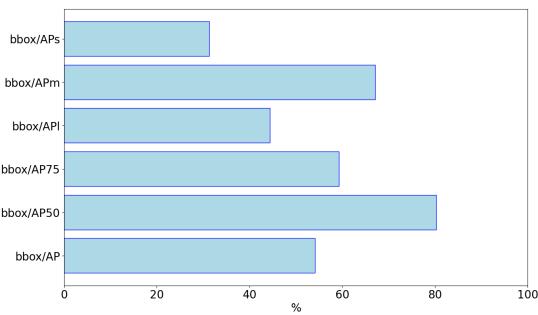


Figure 3. General AP metrics

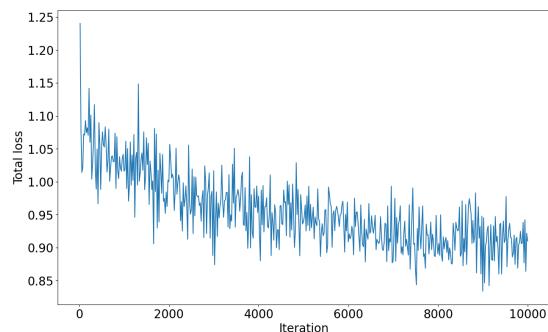


Figure 4. Training total loss per iteration

## Dataset plots [test]

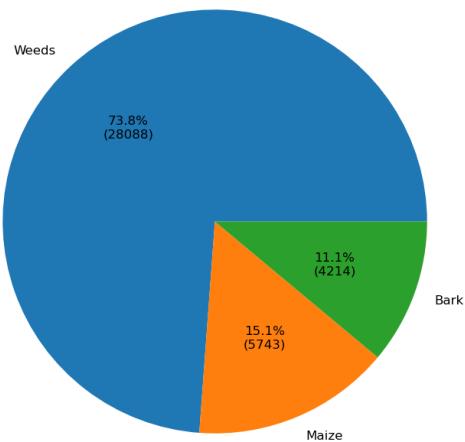


Figure 5. Class distribution for test dataset

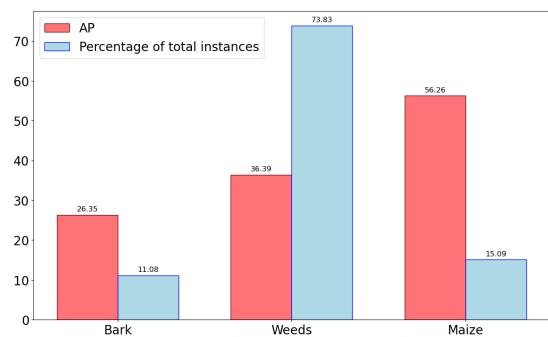


Figure 6. AP and percentage distribution per class

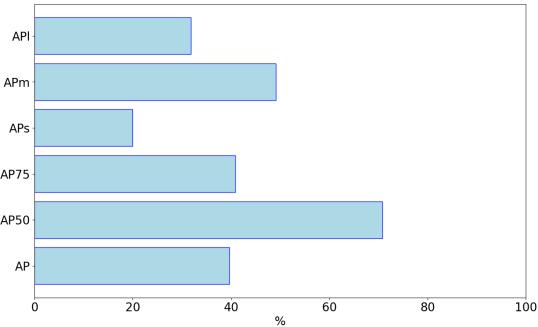


Figure 7. General AP metrics

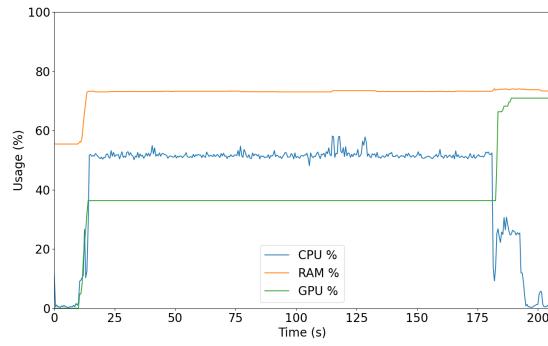


Figure 8. Consumption percentages

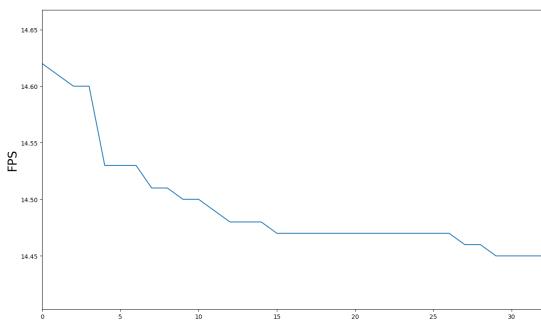


Figure 9. Inference speed

## Evaluating hardware specs

CPU

2

Model: AMD Ryzen 5 5600H with Radeon Graphics

Total nº of logical cores: 12

Speed: 3.3 GHz

## **RAM**

Total memory: 15.41 GB

## **GPU**

Models: NVIDIA GeForce RTX 3050 Laptop GPU

# Images

# Predictions for every class

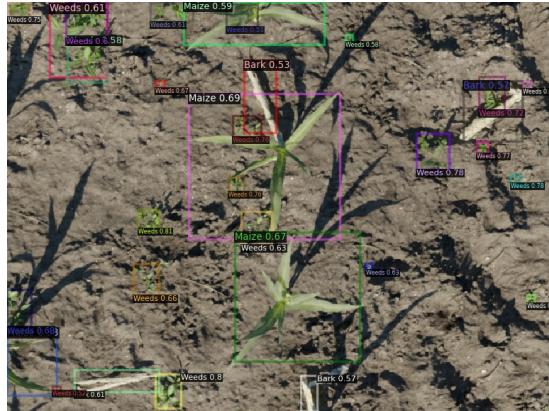


Figure 10. Predictions for every class [image10.jpg]

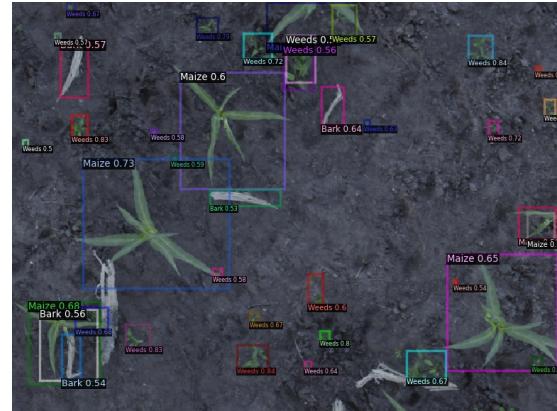


Figure 11. Predictions for every class [image2.jpg]

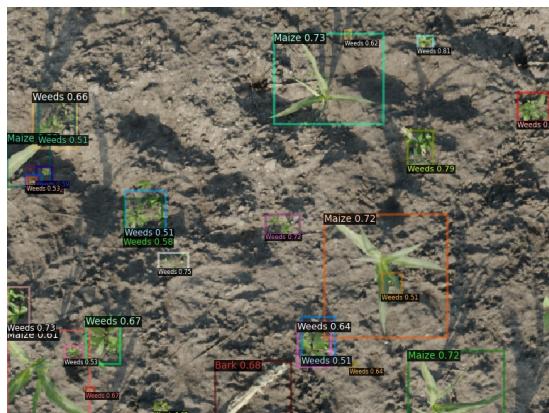


Figure 12. Predictions for every class [image6.jpg]



Figure 13. Predictions for every class [image14.jpg]

## Bark



Figure 14. Predictions for Bark [image5.jpg]



Figure 15. Predictions for Bark [image7.jpg]



Figure 16. Predictions for Bark [image10.jpg]



Figure 17. Predictions for Bark [image17.jpg]

## Maize



Figure 18. Predictions for Maize [image2.jpg]



Figure 19. Predictions for Maize [image12.jpg]



Figure 20. Predictions for Maize [image14.jpg]

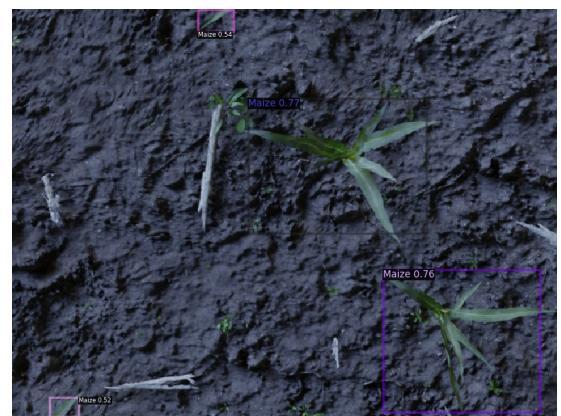


Figure 21. Predictions for Maize [image9.jpg]

## Weeds

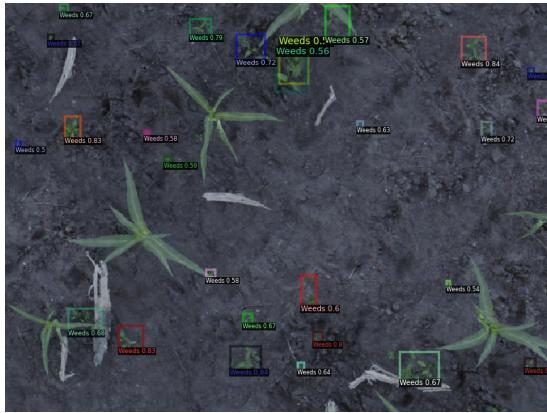


Figure 22. Predictions for Weeds [image2.jpg]

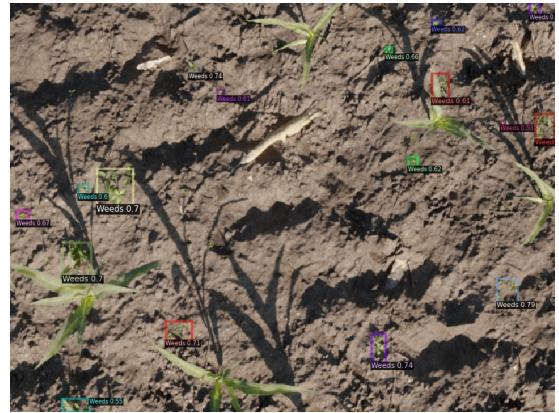


Figure 23. Predictions for Weeds [image16.jpg]

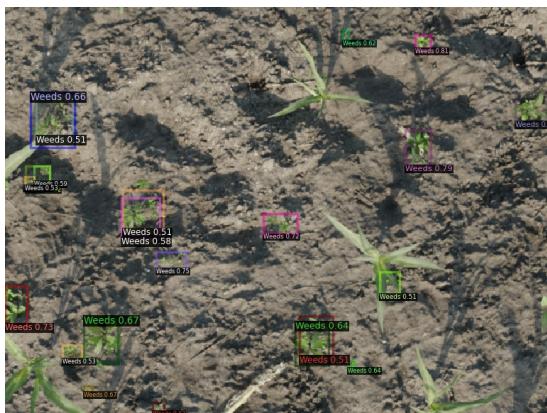


Figure 24. Predictions for Weeds [image6.jpg]



Figure 25. Predictions for Weeds [image17.jpg]