

Alexandre Schimel

From: Piechaud, Nils <Nils.Piechaud@hi.no>
Sent: 19 June 2023 13:09
To: Alexandre Schimel
Cc: Ross, Rebecca; Meyer, Heidi Kristina
Subject: YoloV8
Attachments: S_borealis.7z; auv images classification.7z; S_borealis detection.7z

Hi Alex,

So here is the documentation for yoloV8 and their modelling ecosystem: [Ultralytics YOLOv8 Tasks - Ultralytics YOLOv8 Docs](#)

This is mostly high level code (Python and CLI) that controls other pytorch scripts that you can find here: [ultralytics/ultralytics: NEW - YOLOv8 🚀 in PyTorch > ONNX > CoreML > TFLite \(github.com\)](#)

Our code to go from Biigle to Yolo is found here: [BIIGLE-resources/YOLO at main · DeepSeaCRU/BIIGLE-resources \(github.com\)](#)

I am also attaching a small example dataset so you can see what it looks like for object detection and the code I used to train the detector

Finally, there is a small script I made to classify AUV image between “good” and “bad” quality/visibility just so you can see what the code looks like

I guess you will have questions about the code and how to use YOLO once you had a look so don't hesitate to email back

Cheers

Nils