

Type	Time	Accuracy	Hit	Non-tattoos	Skips
Faster-RCNN	2:03:38	0.905	86	9	2
Yolov5	3:06:00	0.89	71	8	12

Faster-RCNN produced a lot more bounding boxes than Yolov5 did, had lesser skips but had more instances of wrong detection (said it was a tattoo when it wasn't).

Faster-RCNN skipped one image, while yolov5 skipped seven images. The rest were segments of tattoos.

In terms of useful bounding boxes, yolov5 had the best. This algorithm had more instances of one bounding box that covered the whole tattoo rather than two or more bounding boxes that shared the same tattoo.

Faster-RCNN



Yolov5



Overall, Faster-RCNN performed better. It was more certain that the bounding box it produced was a tattoo, didn't skip so many images, and even had one hour less training time. Yolov5 might be better when training for longer. I did try with 300 epochs which took 6 hours. This resulted in a stop at 295 epochs as it hadn't improved for 100 epochs.