Wildlife Detection

Minimum Viable Product

Goal:

The goal of this project is to develop a system for identifying if wildlife is present in an area.

Getting Started:

We leveraged the configuration and training set ups published by the makers of the YOLO model. We then utilized a dataset published on Roboflow for object detection with various animals. We were then able to train the preconfigured model with our new data.
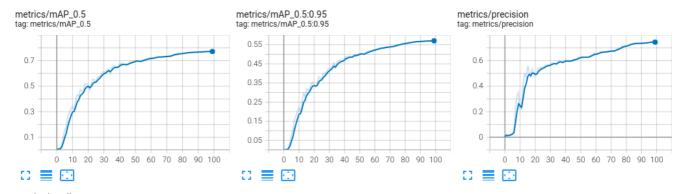
The task:

The goal of the model is 2 fold:

1. The model performs regresses bounding boxes around the recognized entities in the image.
2. The model classifies those entities.

metals

metrics/mAP_0.5
tag: metrics/mAP_0.5

metrics/mAP_0.5:0.95
tag: metrics/mAP_0.5:0.95

metrics/precision
tag: metrics/precision

metrics/recall
tag: metrics/recall

train/box_loss
tag: train/box_loss

train/cls_loss
tag: train/cls_loss