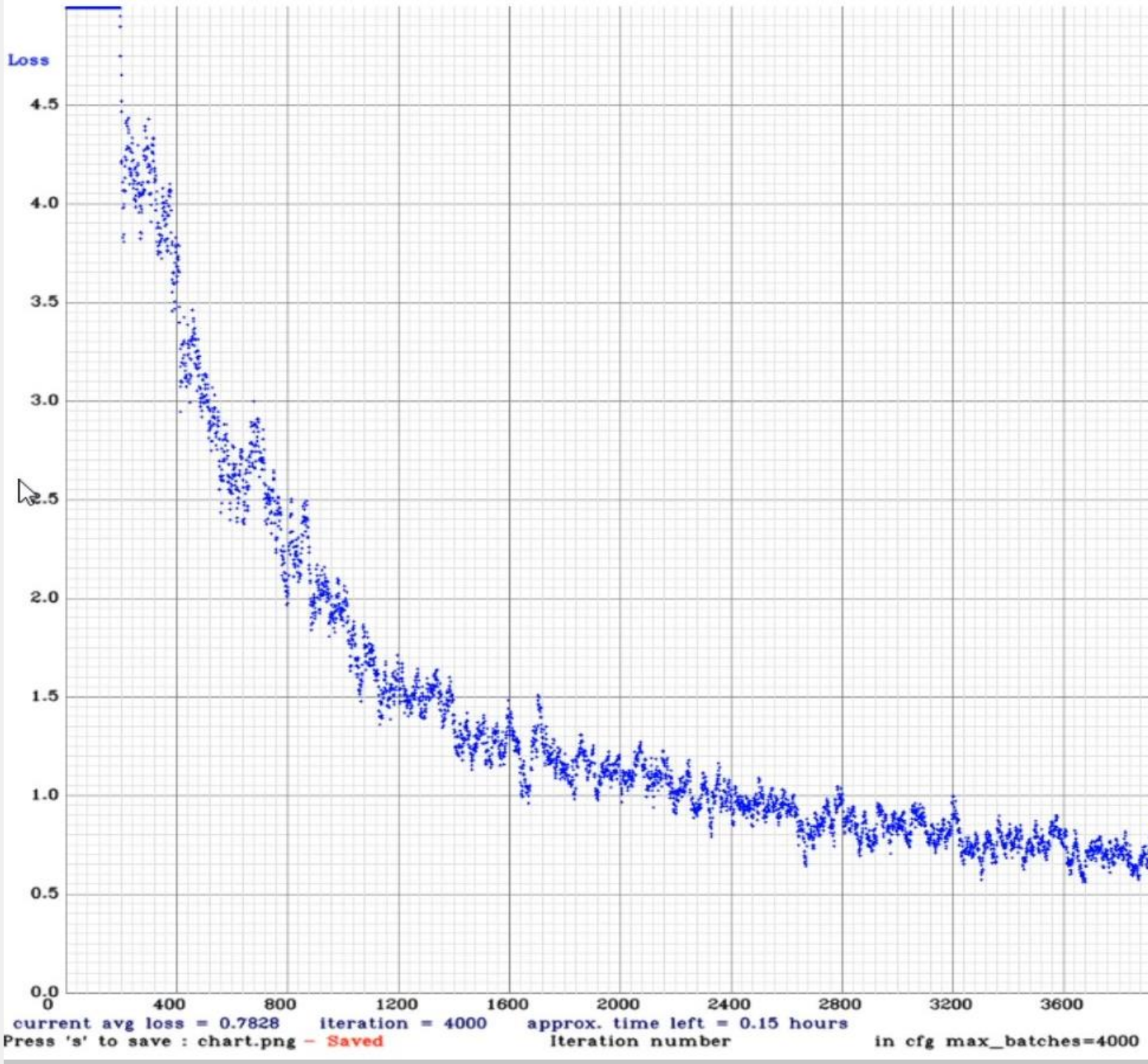
WHEN TO STOP TRAINING

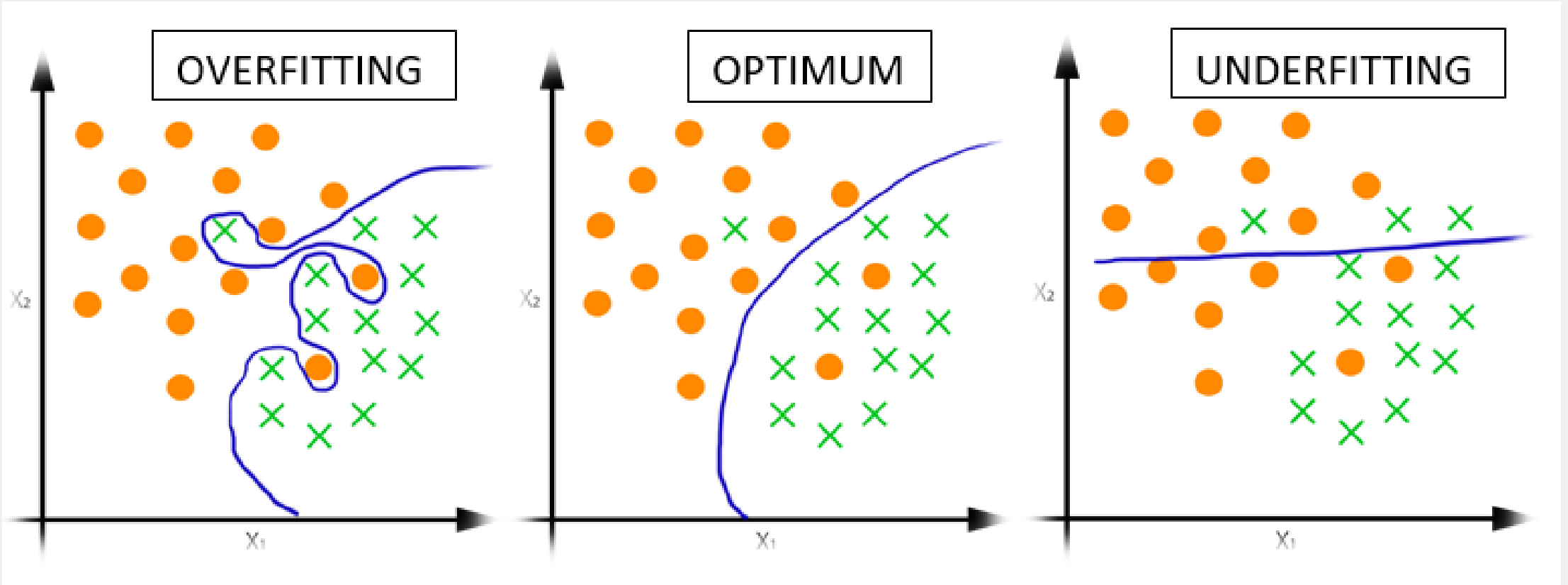
MODULE 5 – TRAINING YOLOv4

Recommended Number of Iterations

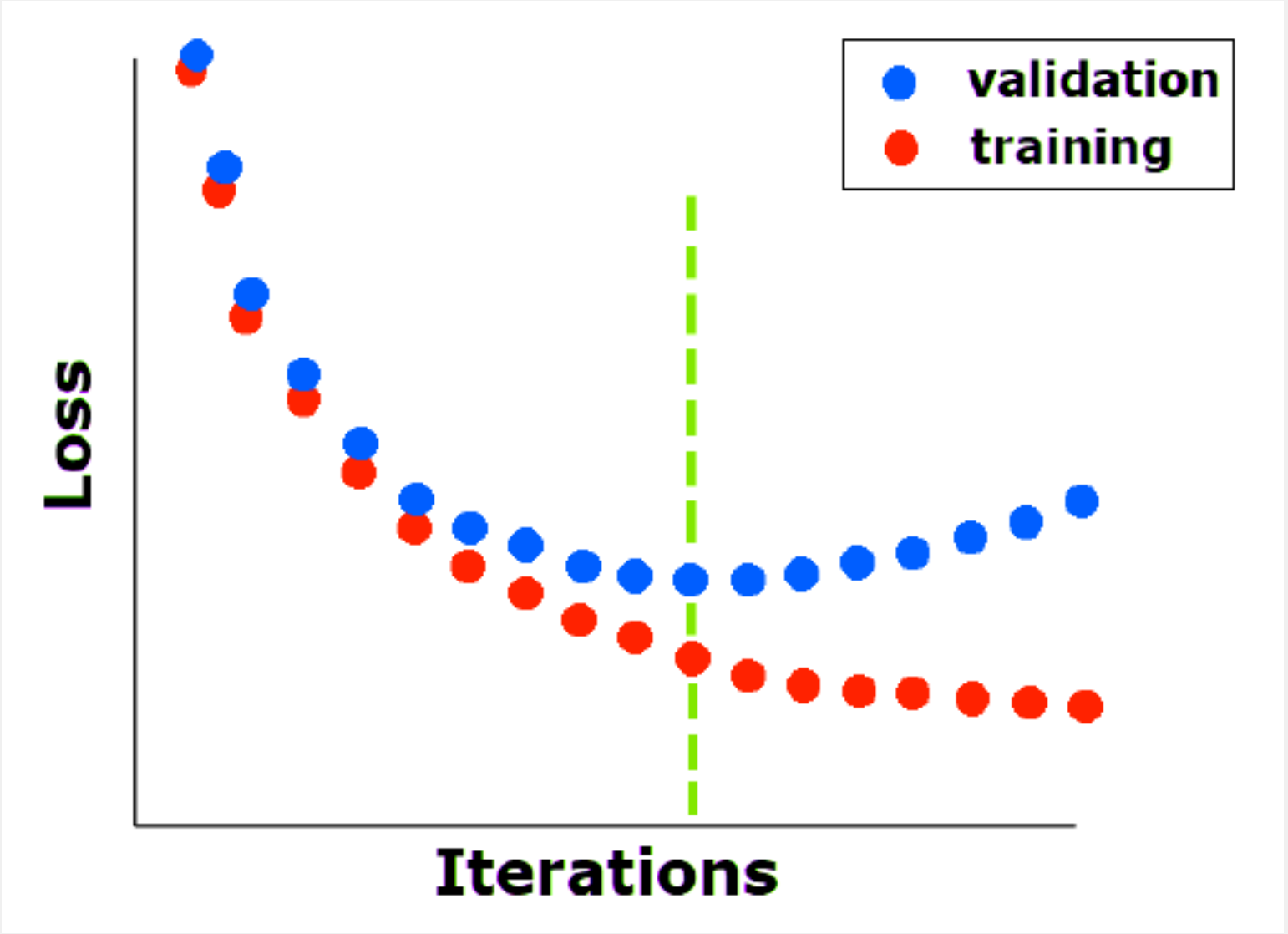
Max_batches = classes x 2000



Prevent Overfitting



Training Validation



Find the largest mAP

- **yolo-obj_4000.weights**

≥?

- **yolo-obj_3000.weights**

≥?

- **yolo-obj_2000.weights**

≥?

- **yolo-obj_1000.weights**

How to calculate mAP for Trained Weights?

Command to Test YOLOv4 on an Image

```
darknet.exe detector test data/obj.data cfg/yolo-obj.cfg backup/yolo-obj_1000.weights
data/test.jpg
```

Command to Test YOLOv4 on a Video

```
darknet.exe detector demo data/obj.data cfg/yolo-obj.cfg backup/yolo-obj_1000.weights
data/peralta_holt_mumps.mp4 -out_filename result.avi -ext_output
```

How to calculate mAP for Trained Weights?

1. Darknet.exe
2. Detector
3. Map
4. <data file>
5. <cfg file for training>
6. yolo-obj_4000.weights

How to calculate mAP for Trained Weights?

Calculate mAP for trained weights command

```
darknet.exe detector map data\obj.data cfg\yolo-obj.cfg
backup\yolo-obj_4000.weights
```