

M5 Object detection

Week 1: Introduction to python

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INDEX

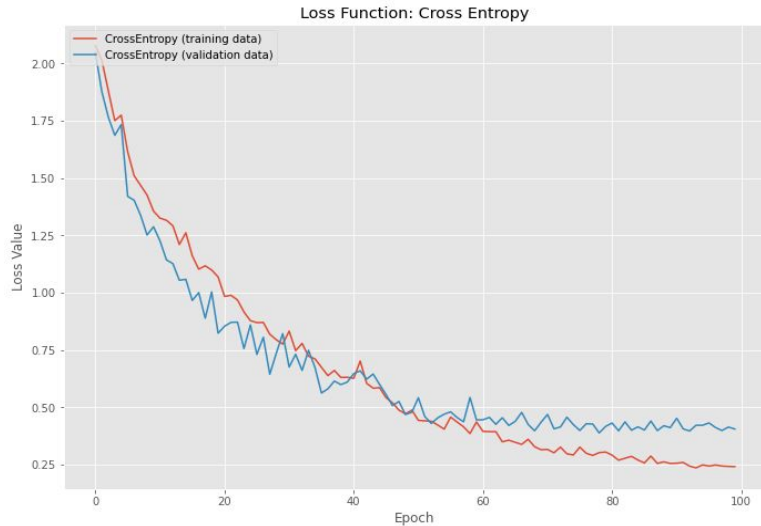
- Model diagram
- Loss metrics
- Accuracy metrics
- Results and conclusions

Model diagram



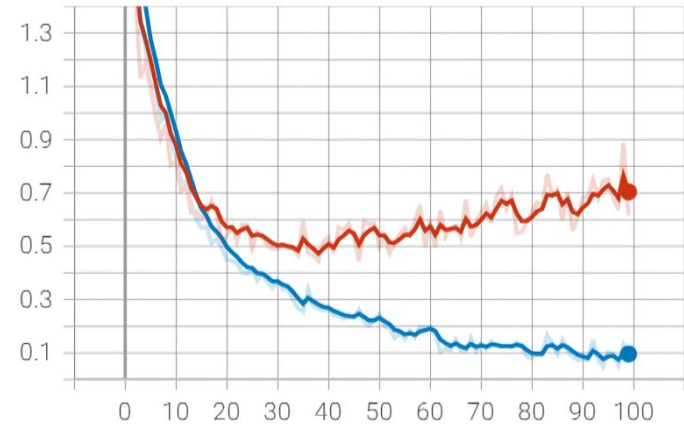
Loss metrics

Tensorflow



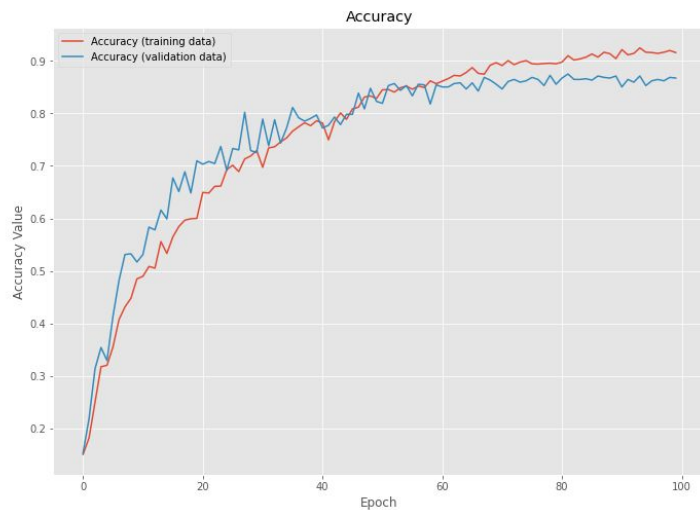
Pytorch

Loss



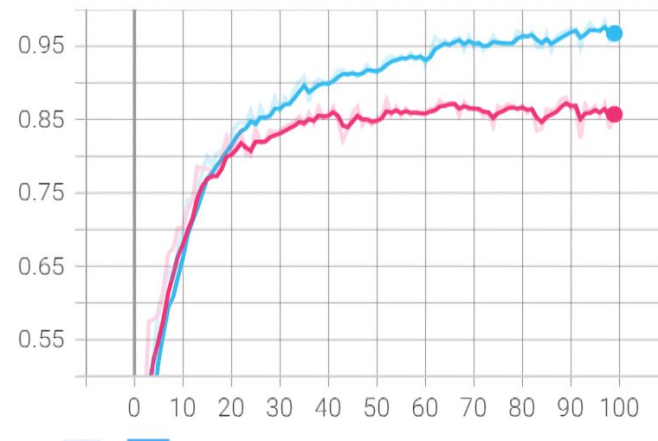
Accuracy metrics

Tensorflow



Pytorch

Accuracy



Results and problems

	Loss	Accuracy
Tensorflow	0.387	0.875
Pytorch	0.782	0.856

- Our training of the model with PyTorch (50 seconds/epoch) is slower than with Tensorflow (10 seconds/epoch). Probably due to not having optimized the training process with PyTorch.

Conclusions