FCOS: Fully Convolutional One-Stage Object Detection

Introduction

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@article{tian2019fcos,
  title={FCOS: Fully Convolutional One-Stage Object Detection},
  author={Tian, Zhi and Shen, Chunhua and Chen, Hao and He, Tong},
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  year={2019}
}
```

Results and Models

Backbone	Style	GN	MS train	Lr schd	Mem (GB)	Train time (s/iter)	Inf time (fps)	box AP	Download
R-50	caffe	N	N	1x	5.5	0.373	13.7	35.7	<u>model</u>
R-50	caffe	Υ	N	1x	6.9	0.396	13.6	36.7	<u>model</u>
R-50	caffe	Υ	N	2x	-	-	-	36.9	<u>model</u>
R-101	caffe	Υ	N	1x	10.4	0.558	11.6	39.1	model
R-101	caffe	Υ	N	2x	-	-	-	39.1	<u>model</u>

Backbone	Style	GN	MS train	Lr schd	Mem (GB)	Train time (s/iter)	Inf time (fps)	box AP	Download
R-50	caffe	Υ	Υ	2x	-	-	-	38.7	<u>model</u>
R-101	caffe	Υ	Υ	2x	-	-	-	40.8	<u>model</u>
X-101	caffe	Υ	Υ	2x	9.7	0.892	7.0	42.8	<u>model</u>

Notes:

- To be consistent with the author's implementation, we use 4 GPUs with 4 images/GPU for R-50 and R-101 models, and 8 GPUs with 2 image/GPU for X-101 models.
- The X-101 backbone is X-101-64x4d.