

Data preparation for Detectron2

Overview of Detectron2

- Detectron2 is a next-generation platform for object detection and segmentation



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- Created by Facebook AI Research team



Detectron2

Analytics
Vidhya

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- Detectron2 is a next-generation platform for object detection and segmentation
- Created by Facebook AI Research team
- Implements State Of The Art architectures
 - Faster R-CNN
 - RetinaNet
 - Mask R-CNN



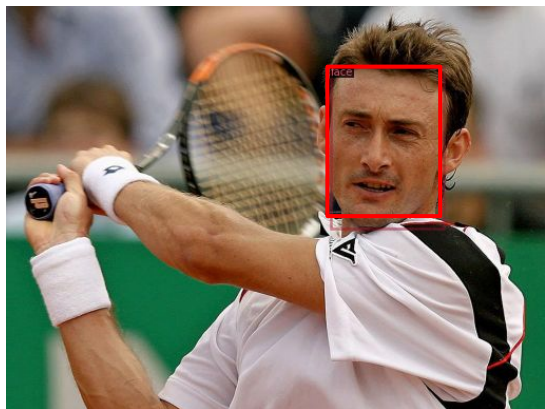
Detectron2

Overview of Detectron2

- Detectron2 is a next-generation platform for object detection and segmentation
- Created by Facebook AI Research team
- Implements State Of The Art architectures
 - Faster R-CNN
 - RetinaNet
 - Mask R-CNN
- Trained on COCO - A large scale image dataset



WIDER FACE Dataset annotation



Annotation



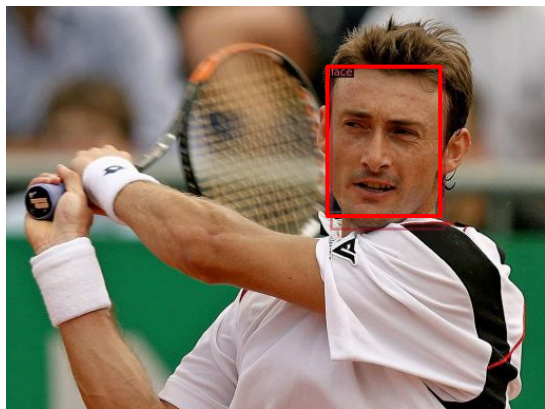
Format

tennis.png

1

616,116,214,306,0,0,0,0,0,0

WIDER FACE Dataset annotation



Annotation



Format

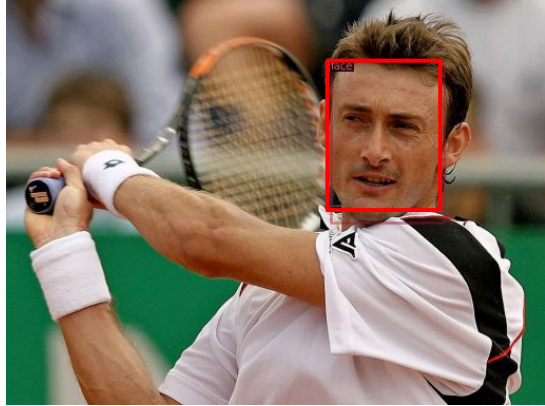
tennis.png

1

616,116,214,306,0,0,0,0,0,0

Filename

WIDER FACE Dataset annotation



Annotation



Format

Filename

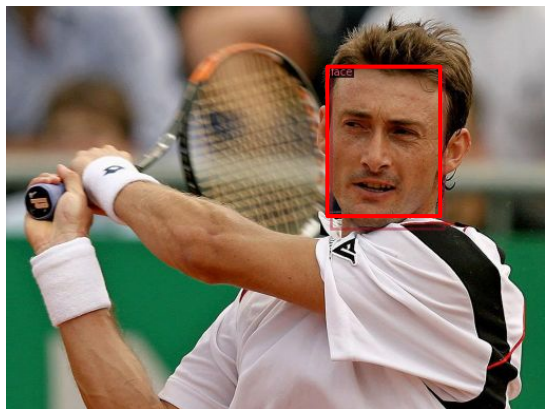
tennis.png

1

Faces

616,116,214,306,0,0,0,0,0,0

WIDER FACE Dataset annotation



Annotation



Format

Filename

tennis.png

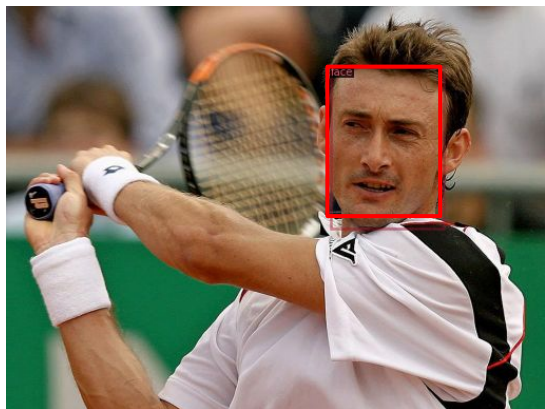
1

Faces

616,116,214,306,0,0,0,0,0,0

Bounding Box
Annotation

WIDER FACE Dataset annotation



Annotation



Format

Filename

tennis.png

1

Faces

616,116,214,306,0,0,0,0,0,0

Bounding Box
Annotation

[x, y, width, height, blur, expression, illumination, invalid, occlusion, pose]

WIDER FACE Dataset annotation



Annotation



Format

swimming.png

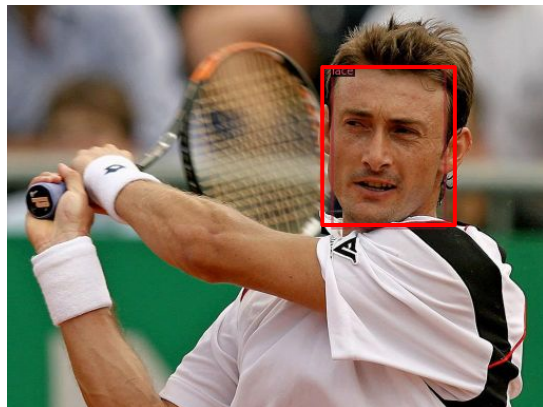
3

292,326,140,166,0,0,0,0,0,0

414,160,138,192,0,0,0,0,0,0

686,252,152,168,0,0,0,0,0,0

WIDER FACE Dataset annotation



WIDER format

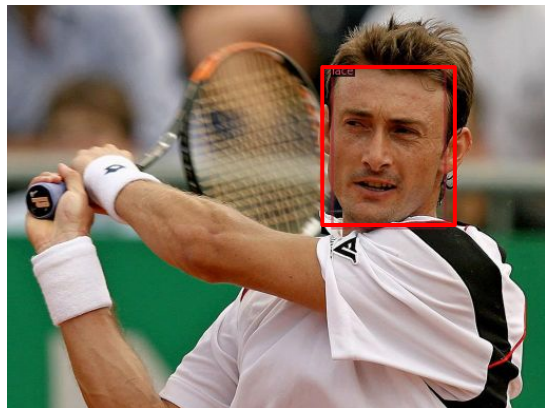
<tennis.jpg>

<1>

<616,116,214,306>

Analytics
Vidhya

WIDER FACE Dataset annotation



WIDER format

<tennis.jpg>

<1>

<616,116,214,306>

Format for Detectron2

{*annotations*: [{*bbox*: [616.0, 116.0, 830.0,

422.0],

bbox_mode: <BoxMode.XYXY_ABS: 0>,
category_id: 0}],

file_name: tennis.jpg,

height: 683,

image_id: 25,

width: 1024}



Thank You