1. Visualizations

In all of the visualizations below, we have used a fixed color-coding to represent mixture components. Please note that, as we have described in the paper, the mixture modes have different meaning for object detection and human pose estimation.

1.1. Object detection

In Fig. 1 to Fig. 12 we provide visualization of detections by $MDN_3$ detector (trained on HG) on sample images from coco-val subset [1].

1.2. Human pose estimation

In Fig. 13 to Fig. 22 we provide visualization of human pose estimation by $MDN_3$ estimator (trained on HG) on sample images from coco-val subset.

References

Figure 1: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 2: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 3: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 4: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 5: Sample detections by MDN$_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 6: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 7: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 8: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 9: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 10: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 11: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 12: Sample detections by $MDN_3$ detector on coco-val. The three modes are color-coded by blue, red, and green.
Figure 13: Sample human poses estimations by $MDN_3$ estimator on coco-val. An ellipse around each predicted center represents 2D variance terms. Bounding box color indicates the corresponding mixture mode (blue, red, and yellow).
Figure 14: Sample human poses estimations by $MDN_3$ estimator on coco-val. An ellipse around each predicted center represents 2D variance terms. Bounding box color indicates the corresponding mixture mode (blue, red, and yellow).
Figure 15: Sample human poses estimations by $MDN_3$ estimator on coco-val. An ellipse around each predicted center represents 2D variance terms. Bounding box color indicates the corresponding mixture mode (blue, red, and yellow).
Figure 16: Sample human poses estimations by $MDN_3$ estimator on coco-val. An ellipse around each predicted center represents 2D variance terms. Bounding box color indicates the corresponding mixture mode (blue, red, and yellow).
Figure 17: Sample human poses estimations by $MDN_3$ estimator on coco-val. An ellipse around each predicted center represents 2D variance terms. Bounding box color indicates the corresponding mixture mode (blue, red, and yellow).
Figure 18: Sample human poses estimations by $MDN_3$ estimator on coco-val. An ellipse around each predicted center represents 2D variance terms. Bounding box color indicates the corresponding mixture mode (blue, red, and yellow).
Figure 19: Sample human poses estimations by $MDN_3$ estimator on coco-val. An ellipse around each predicted center represents 2D variance terms. Bounding box color indicates the corresponding mixture mode (blue, red, and yellow).
Figure 20: Sample human poses estimations by $MDN_3$ estimator on coco-val. An ellipse around each predicted center represents 2D variance terms. Bounding box color indicates the corresponding mixture mode (blue, red, and yellow).
Figure 21: Sample human poses estimations by $MDN_3$ estimator on coco-val. An ellipse around each predicted center represents 2D variance terms. Bounding box color indicates the corresponding mixture mode (blue, red, and yellow).
Figure 22: Sample human poses estimations by $MDN_3$ estimator on coco-val. An ellipse around each predicted center represents 2D variance terms. Bounding box color indicates the corresponding mixture mode (blue, red, and yellow).