



Figure 1: Frontal face detection with ground truth

1 Ground Truth

Limitation of TPR. Difficult to define "true" values. The bounding region of a face is discrete and we may choose not to detect side on faces. Example below shows 2 possible "true" values for a detection. One give a IOU of under 0.7 but the other gives over 0.9.

Frontal face detection results		
Image name	TPR	F1-SCORE
dart4	1	1
dart5	1	0.88
dart13	1	0.666667
dart14	1	0.5
dart15	1	0