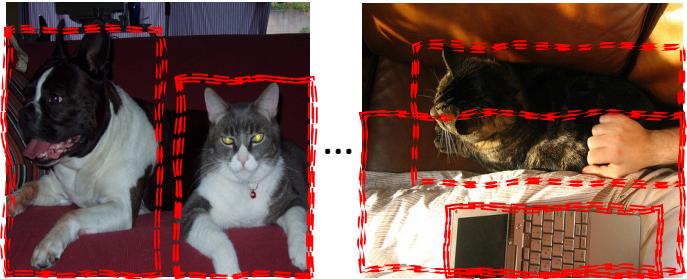
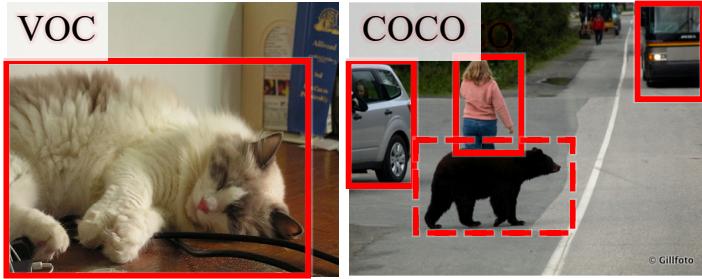


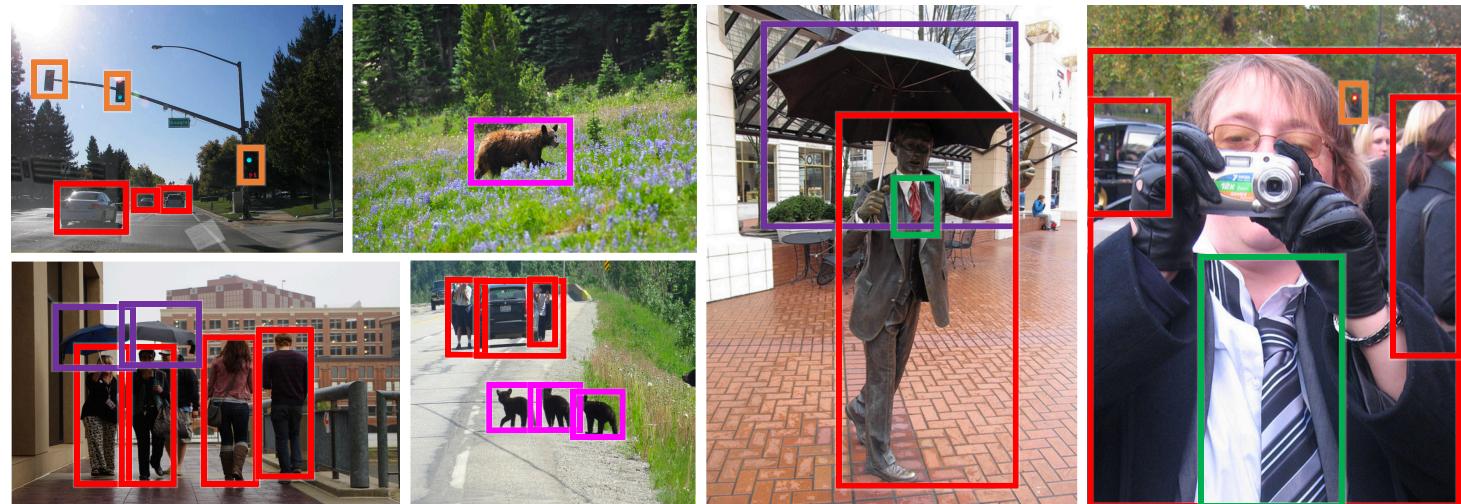
# Detection Training Set (VOC)



# Standard Detection Output on:



# Our Discovery and Localization Output (COCO)



Training boxes for 20 VOC (*known*) classes

Detection boxes for 20 VOC (*known*) classes

Incorrect detection for *known* classes in out-of-distribution COCO images

## Proposed Framework and Benchmark

Discovered and localized examples of *unknown* classes (from COCO). In this illustration these correspond to (clockwise): traffic-light, tie, umbrella, bear.