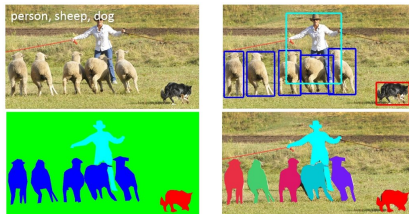# Microsoft COCO: Common Objects in Context

TY. Lin, M. Maire, S. Belongie, L. Bourdev, R. Girshick,
J. Hays, P. Perona, D. Ramanan, C. L. Zitnick and P. Dollar (ECCV 2014)

- ▶ New dataset to advance state-of-the-art in object recognition, segmentation and captioning
- ▶ Collection of images of complex everyday scenes containing common objects in their natural context
- ▶ Objects are labeled using per-instance segmentations
- ▶ Dataset contains photos of 91 objects types with a total of 2.5 million labeled instances in 328k images
- ▶ Extensive crowd worker involvement via novel user interfaces for category detection, instance spotting and instance segmentation
- ▶ Detailed statistical analysis of the dataset in comparison to PASCAL, ImageNet and Sun
- ▶ Baseline performance analysis for bounding box and segmentation detection using Deformable Parts Model