

目标检测（物体检测）

Object Detection

目标检测 (Object Detection) = What, and Where

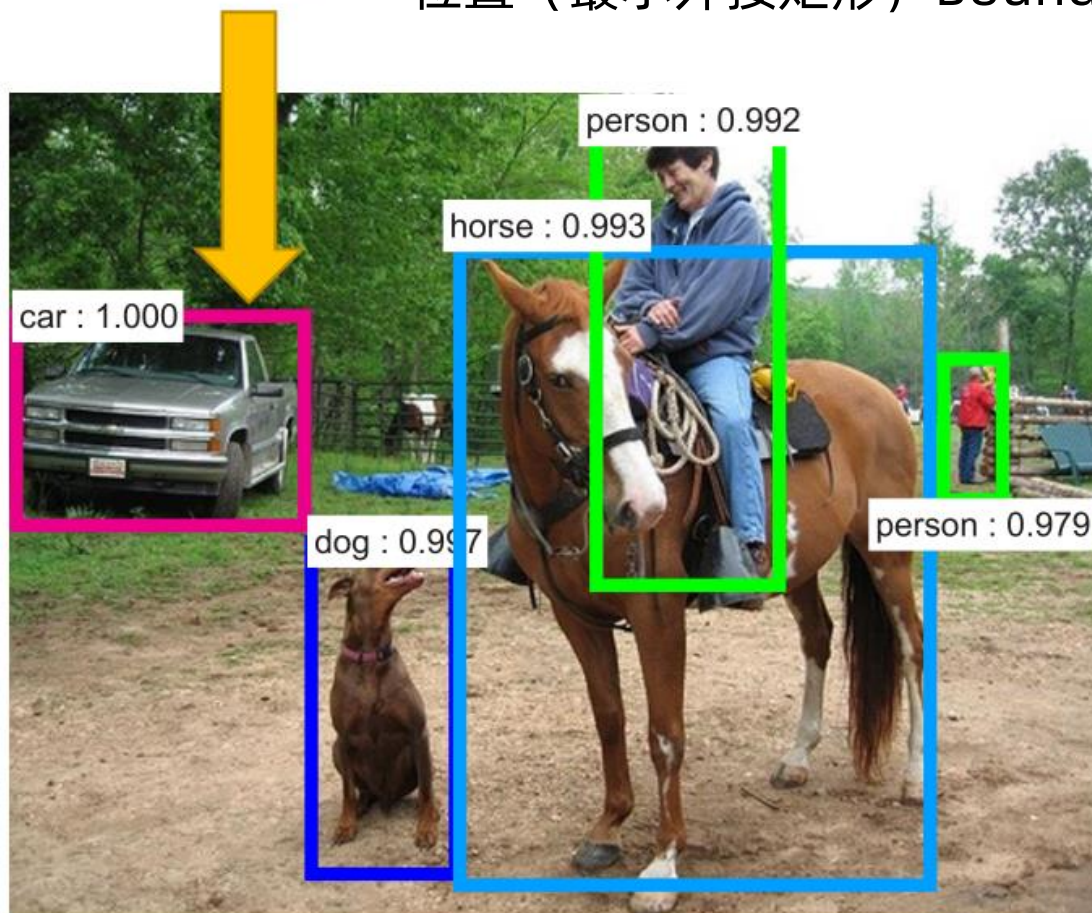
定位
Localization
Where?

位置 (最小外接矩形, Bounding box)

识别
Recognition
What?

类别标签 (Category label)

置信度得分 (Confidence score)



Classification



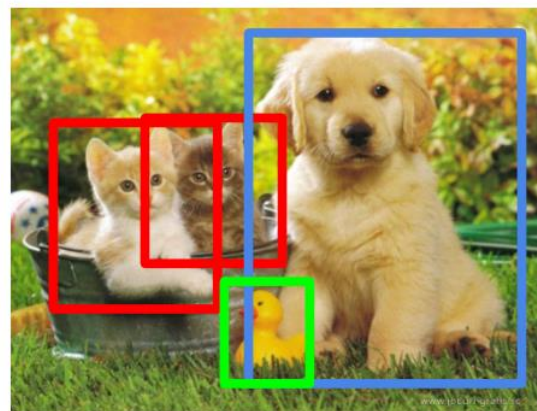
CAT

Classification + Localization



CAT

Object Detection



CAT, DOG, DUCK

Instance Segmentation



CAT, DOG, DUCK

Single object

Multiple objects

定位和检测：

- **定位**是找到检测图像中带有有一个给定标签的**单个目标**
- **检测**是找到图像中带有给定标签的**所有目标**