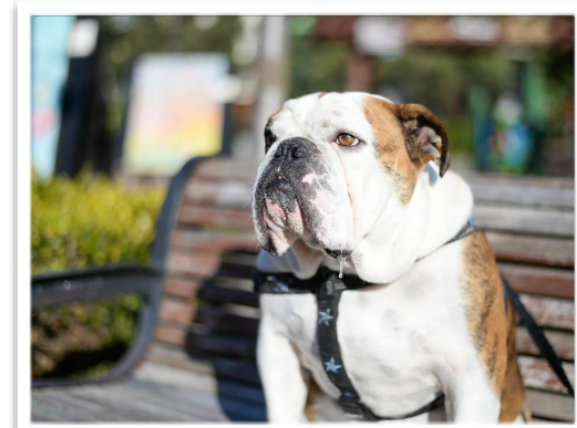


Summary

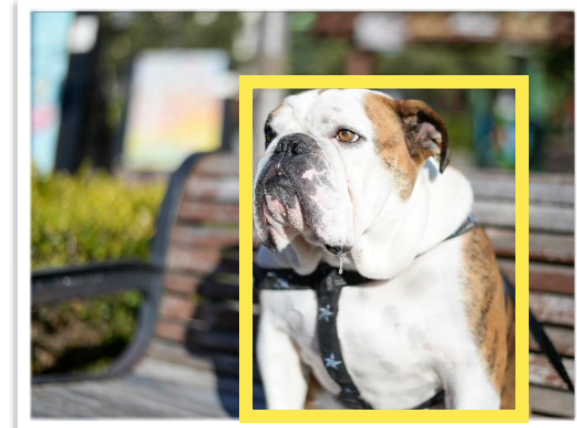
© 2019 Philipp Krähenbühl and Chao-Yuan Wu

Computer vision tasks

- Global labeling
- Sparse labeling
- Dense labeling



→ dog



Global labeling tasks

- Tasks:
 - Image classification
 - Action recognition
 - Image retrieval
 - ...
- Tool:
 - Residual networks



Sparse labeling tasks

- Tasks:

- Object detection



- Sparse tracking



- ...

- Tool:

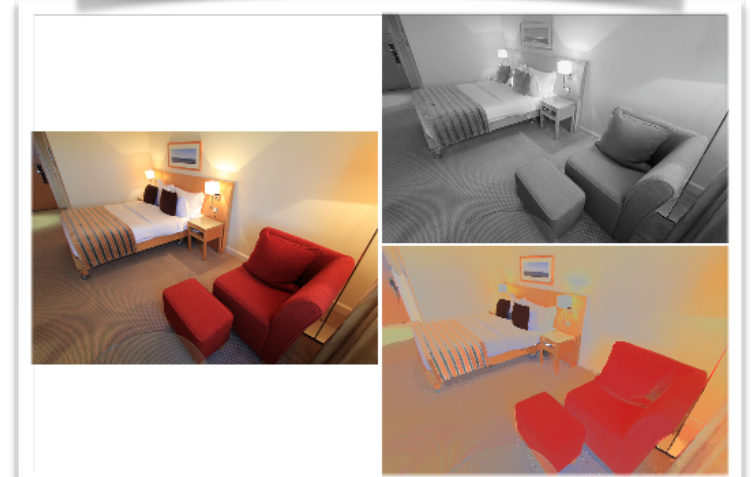
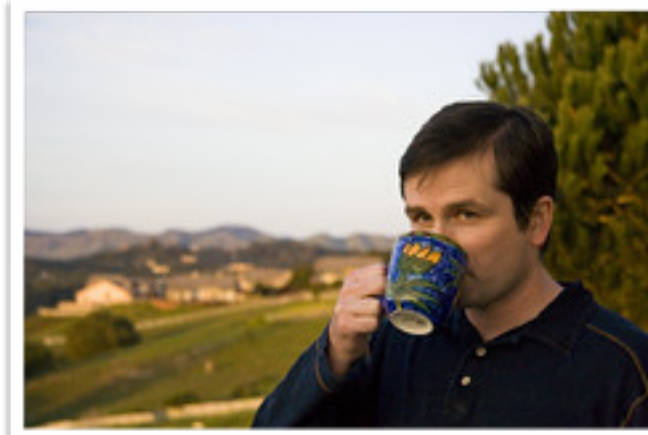
- FasterRCNN / MaskRCNN



Dense labeling tasks

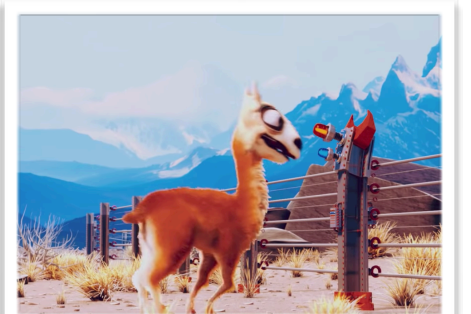
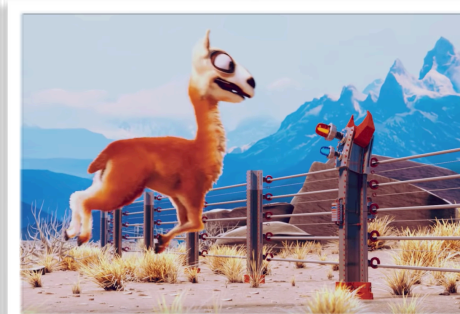
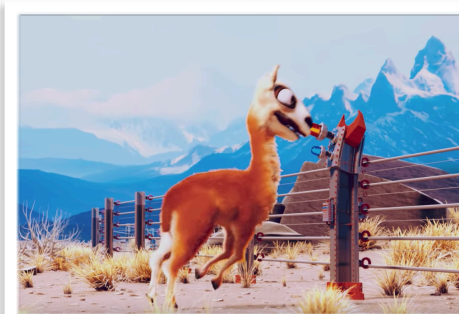
- Tasks:

- Semantic segmentation
- Instance segmentation
- Depth estimation
- ...



- Tool:

- FCN with bag of tricks



Videos

- Tasks:
 - Action recognition
 - Motion estimation
 - Tracking
 - ...
- Tool:
 - I2+1D, or variants

