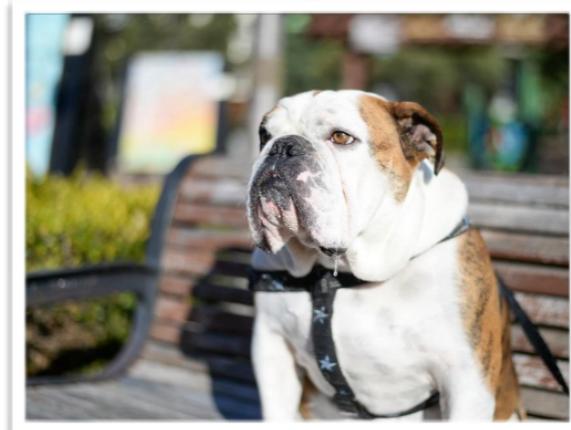


# Summary

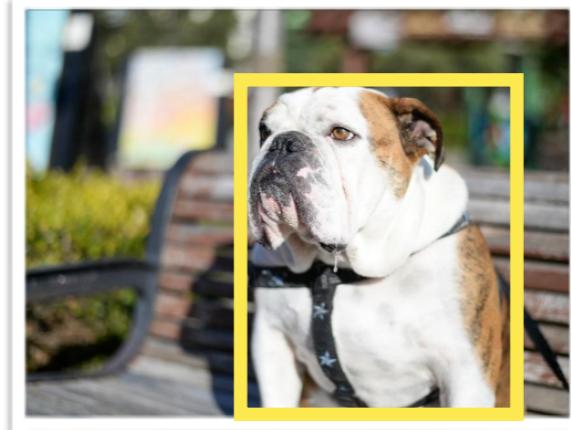
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# Computer vision tasks

- 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



- ...

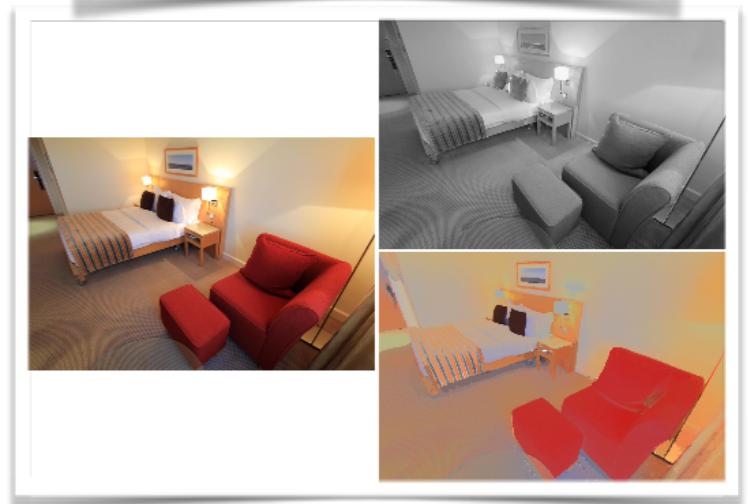
- Tool:

- 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