

Computer vision tasks

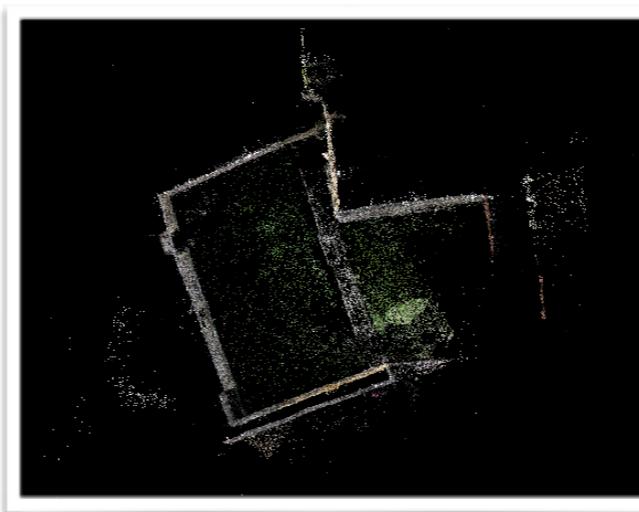
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Computer vision

- Understanding visual data



- Images
- Video
- Range images
- Inverse graphics



Computer vision tasks

- Global labeling
 - Label per image/video
- Sparse labeling
 - Spatial/temporal location used
- Dense labeling
 - Label per pixel



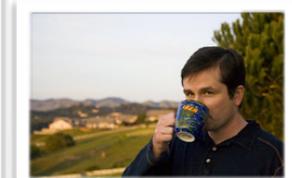
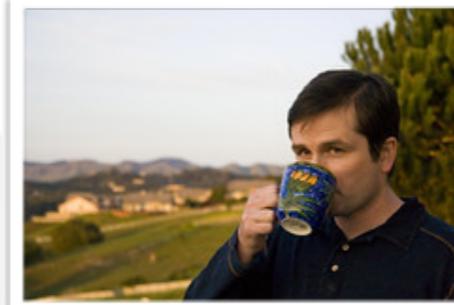
Global labeling tasks

- Image classification



- Action recognition

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- Image retrieval



- Captioning / VQA



- ...

Sparse labeling tasks

- Object detection
- Sparse tracking
- Pose estimation
- Face recognition
- Optical character recognition
- ...



Dense labeling tasks

- Semantic segmentation
- Instance segmentation
- Depth estimation
- Intrinsic image decomposition
- Dense tracking
- ...

