Data distillation: towards omni-supervised learning

Summany

- 1. Propose data distillation, which distills knowledge from unlabeled data without the requirement of training a brop set of models.
- 2. Data distillation mobiles 4 steps:
 - . training a model on manually labeled data.
 - . applying the trained model to multiple transformations of
 - . converting the predictions on the unlabeled data nito labels by ensembling the multiple predictions.
 - . retraining the model on the union of the manually labeled data and automatically lobeled data.
- 3. Show up to 3 points AP improvement over a strong Mask RCNN baseline on the human key point detection task of the coco dataset.