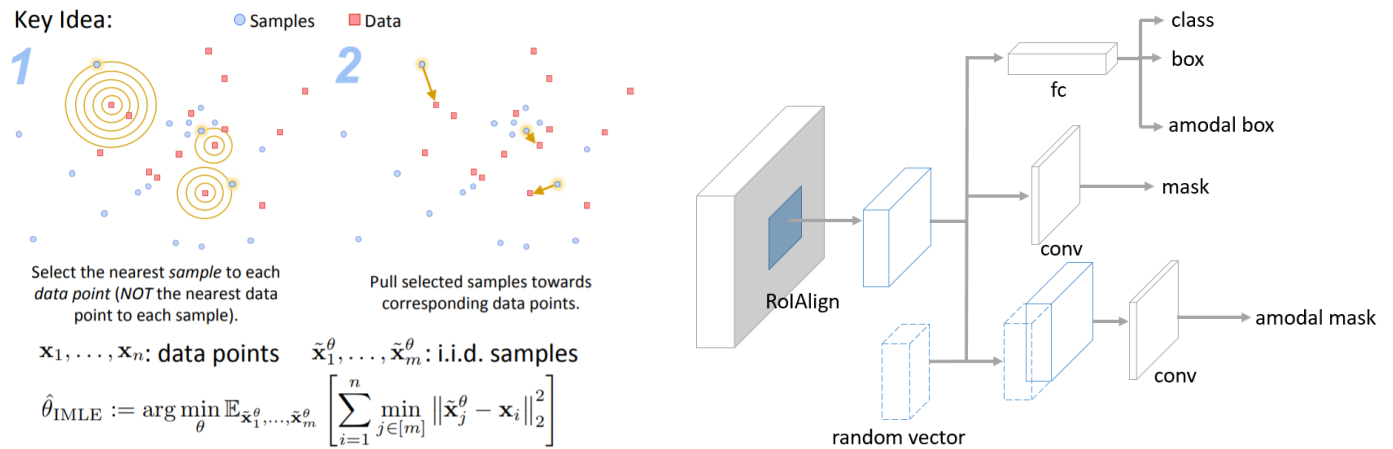


Topic: Amodal Instance Segmentation via Conditional Implicit Maximum Likelihood Estimation

Affiliation: UC Berkeley

Collaborator: Ke Li, Jitendra Malik

Method:



(a) Illustration of Implicit Maximum Likelihood Estimation³

(b) Illustration of Amodal Mask R-CNN

Demo:



(a) Annotation



(b) Amodal annotation¹

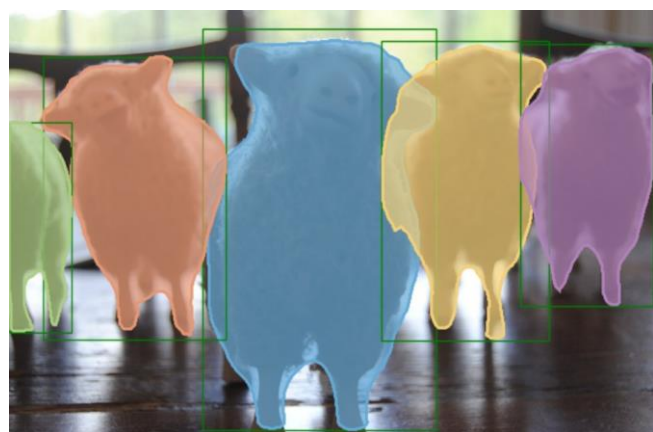
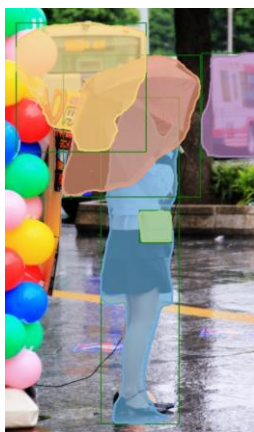


(c) Mask R-CNN²



(d) Amodal Mask R-CNN

Future Direction: More realistic and Bigger dataset



Reference:

- [1] Yan Zhu, Yuandong Tian, Dimitris Mexatas, and Piotr Dollár. Semantic Amodal Segmentation. 2017. In CVPR.
- [2] Kaiming He, Georgia Gkioxari, Piotr Dollár, and Ross Girshick. Mask R-CNN. 2017. In ICCV.
- [3] Ke Li and Jitendra Malik. Implicit Maximum Likelihood Estimation. arXiv:1809.09087, 2018.