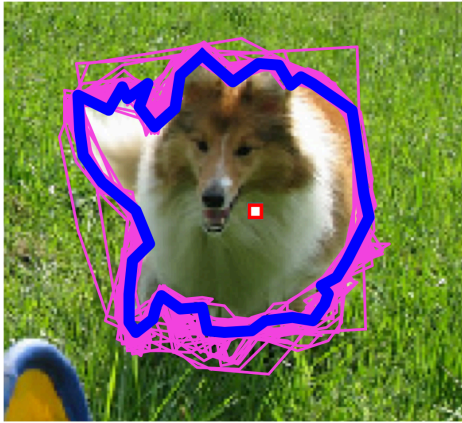# Aggregating Crowdsourced Image Segmentations
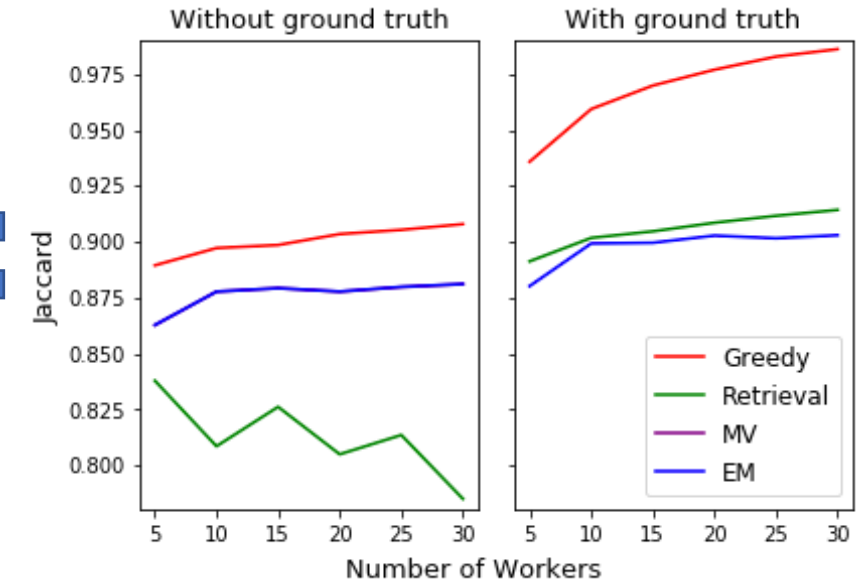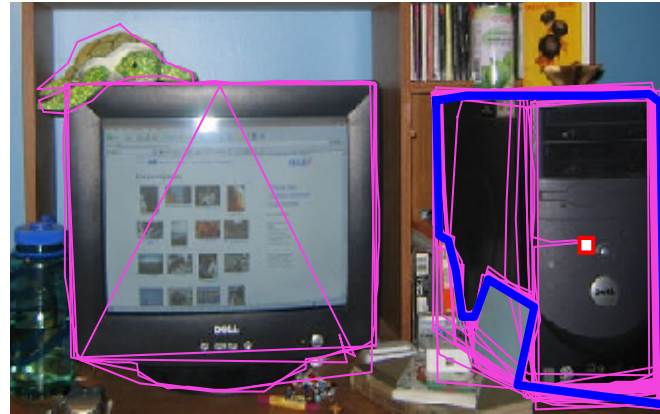
Doris Jung-Lin Lee[1], Akash Das Sarma[2], Aditya Parameswaran[1]

[1] University of Illinois, [2] Facebook Inc.
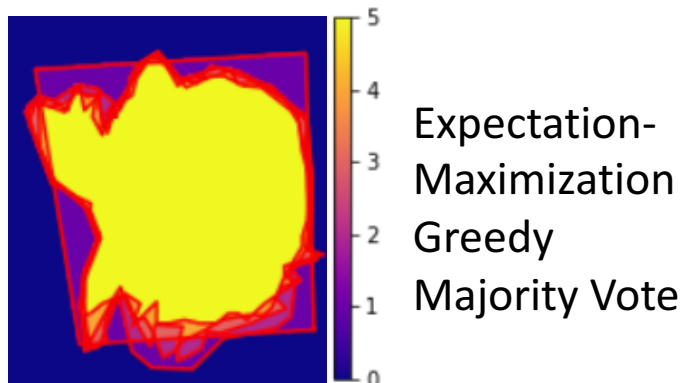
Boundary Imprecision [dog]

Semantic Error [computer]

Tile-based Aggregation

Expectation-Maximization
Greedy
Majority Vote

Clustering Preprocessing
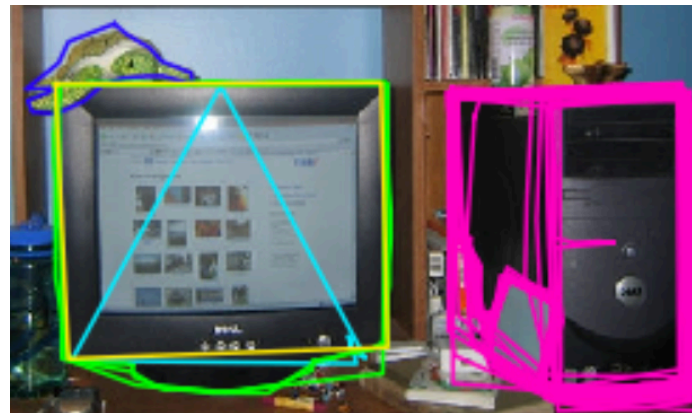
Results Highlights

Performance aggregation > retrieval baseline

Performance scaling as # of workers increases!

Clustering is semantically meaningful and improves algorithm performance by ≈ 5%