Poster Spotlights

Session 2B:Wednesday Morning, June 26th

Discriminative Sub-categorization
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Discriminative Sub-categorization

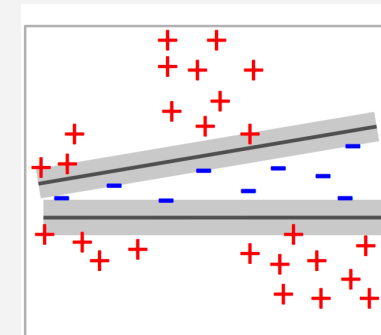## What the algorithm does:

Input:

sub-categorize

Output:
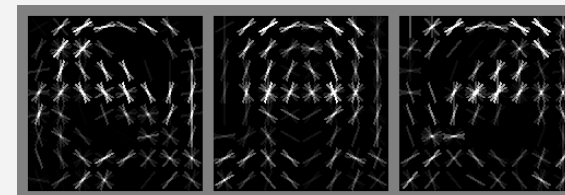

Properties of the algorithm:

- Max-margin separation from negative data
- Quadratic objective with linear constraints

Benefits of the algorithm:

- Does not suffer from cluster degeneration

  a few clusters claim most data points

- Visually interpretable

- Useful for object detection using DPM of Felzenszwalb et al.

With sub-categorization

Without sub-categorization

Precision

Recall