Problem: How to select diverse & representative subsets?

Our Idea: Learning a **discriminative** DPP

- **Margin** based parameter estimation to explicitly track errors in selecting subsets
- **Balancing** evaluation metrics such as precision and recall
- **Multiple kernel** parameterization for model flexibility
- **Superb** results on video & document summarization
Balancing Evaluation Metrics

Precision = 0.76
Recall = 0.81

Precision = 0.55
Recall = 0.91

Precision = 0.48
Recall = 0.97