



1. Introduction

Goal. Efficiently retrieve temporal segments from untrimmed videos, which are likely to contain human actions

False positve proposals

True positive proposals



Motivation:

- Video data is inherently untrimmed
- Spatio-Temporal proposals are computationally expensive and ineffective on untrimmed scenarios

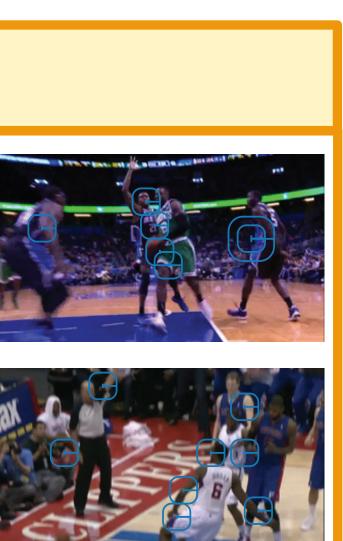
Contributions:

- Sparse learning framework to represent human actions
- Efficient and high recall action proposal generation method _____

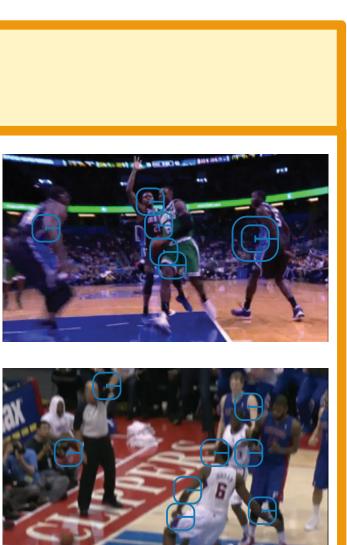
2. Candidate Proposals

- Video segments are represented using STIPs
- A set of candidate proposals ____ is generated using Sliding Windows
- A set of typical action lengths are used.



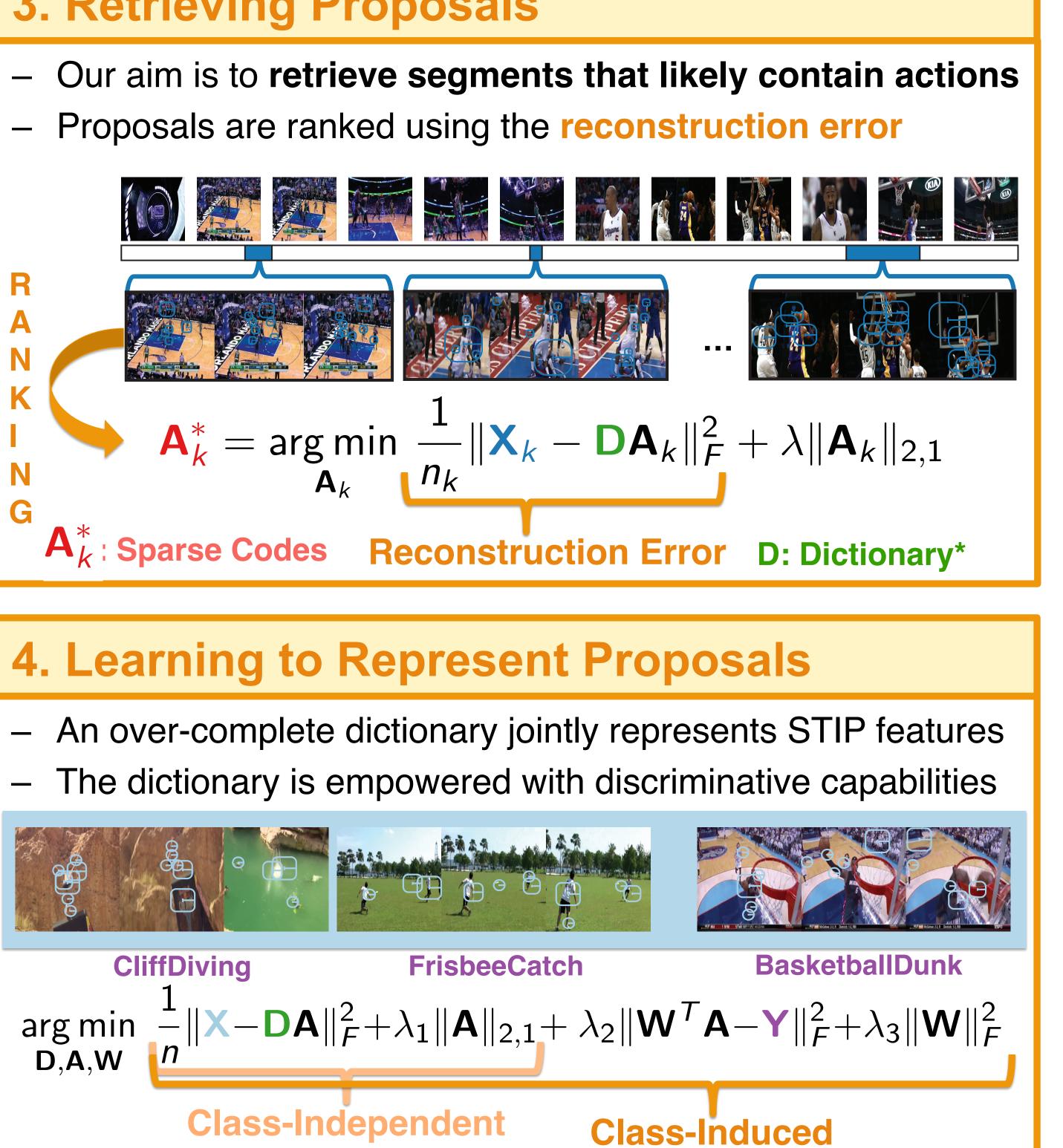


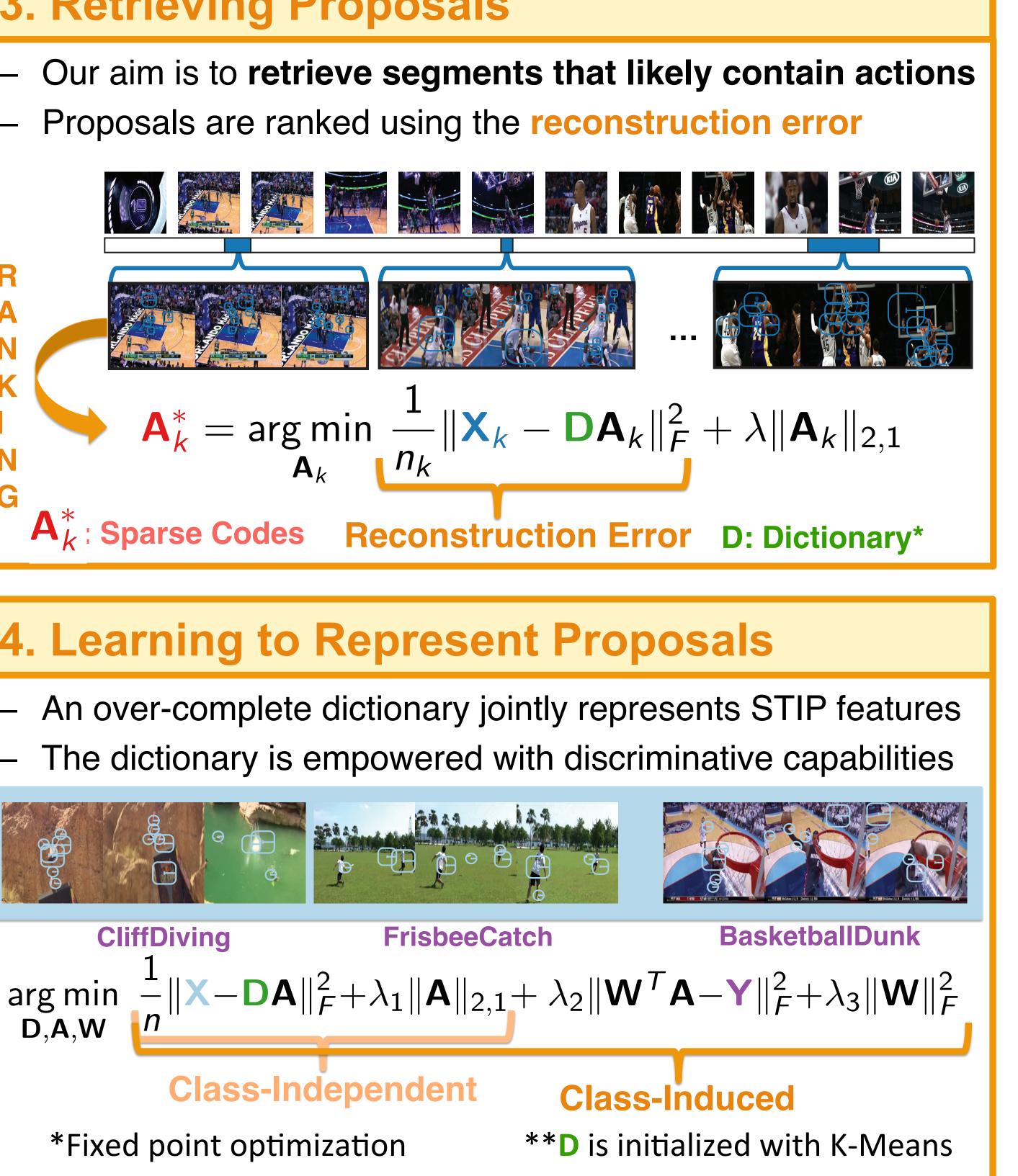




Fast Temporal Activity Proposals for Efficient Detection of Human Actions in Untrimmed Videos Fabian Caba Heilbron¹, Juan Carlos Niebles², Bernard Ghanem¹

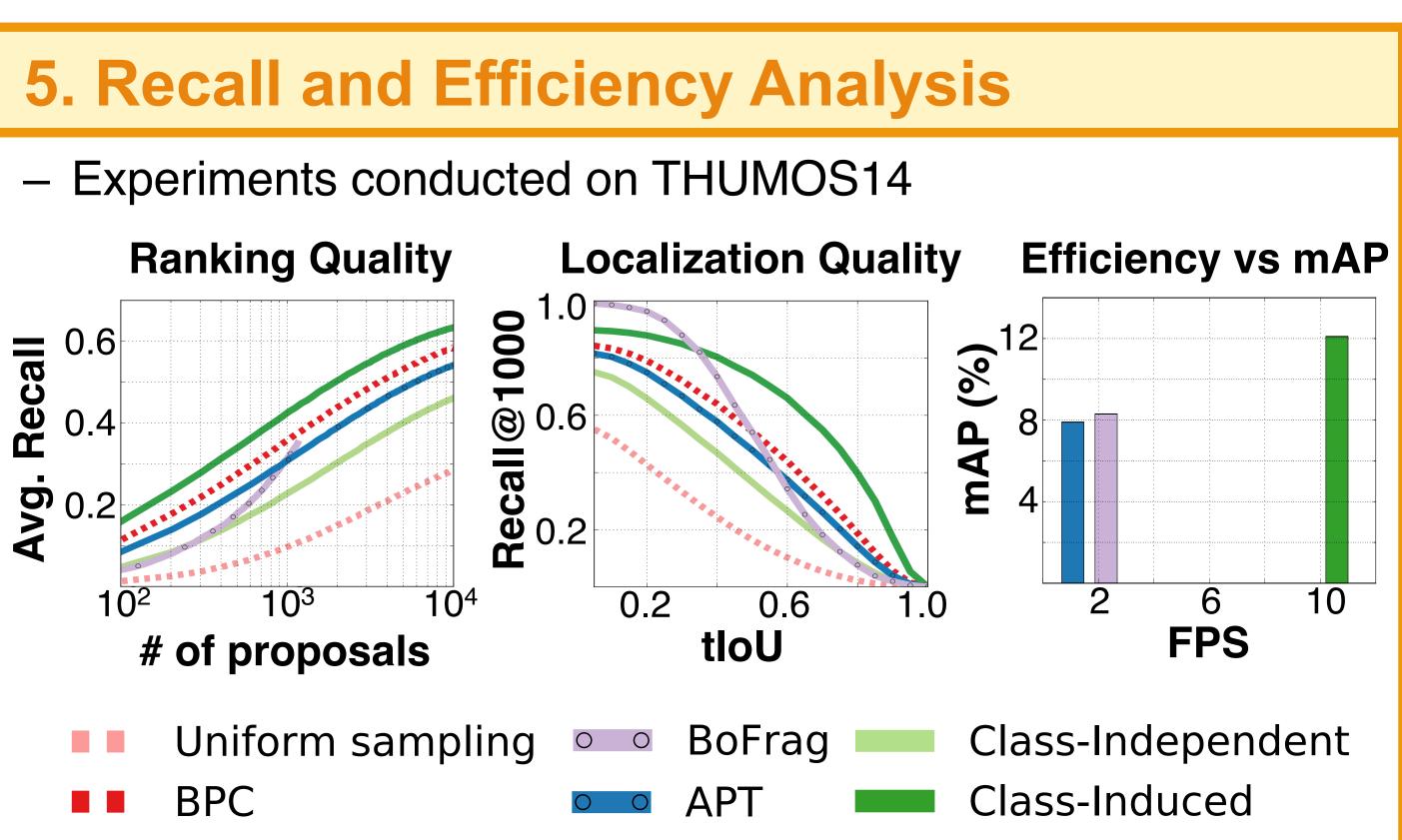
3. Retrieving Proposals

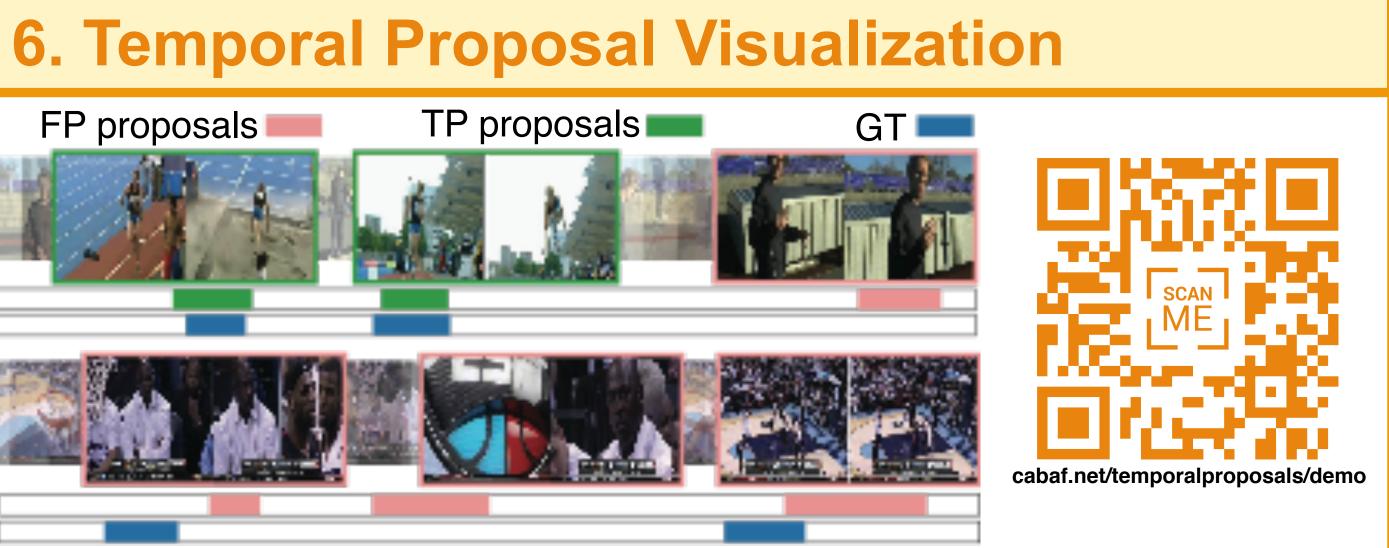






Ranking Quality





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