

Online Query and Filtering

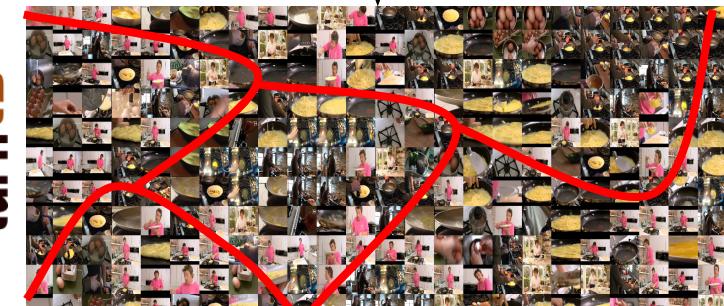
Query: How to make *ascrambled egg*?



Multi-Modal Frame Representation



Multi-Video Co-Clustering



Visual Atoms

Learned Action 1:

Selected Visual Atoms:



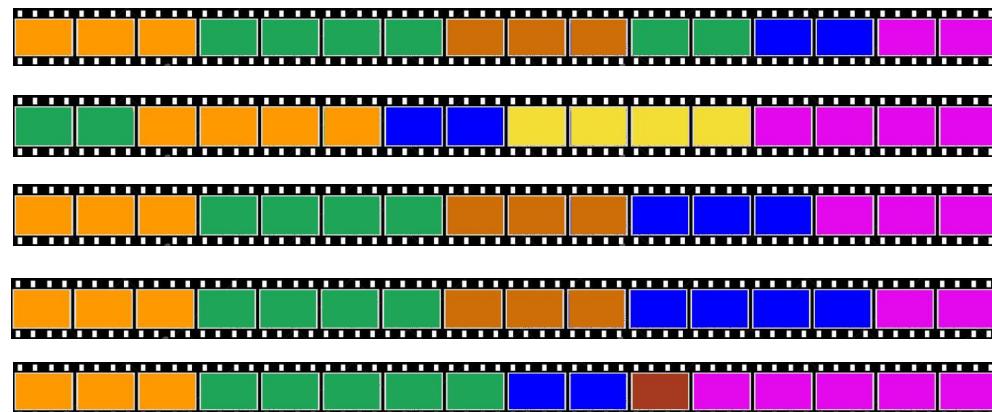
Selected Language Atoms:
Break, Crack, Egg, Hold, Yolk, White

Learned Action K:

Selected Visual Atoms:



Selected Language Atoms:
Scramble, Moist, Solid, Turn, Off, Heat



Unsupervised Activity Learning and Parsing