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Event Patches: Mining Effective Parts for Event Detection and Understanding

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Highlights

- We proposed the idea that only parts of the video are effective for event detection and strive to mine the definite Event Patches that contribute to defining an event.
- We proposed a concatenated video segments representation (CVSeg) method.
- We proposed a Sparse Coding based Video Patches Mining (SVPM) method, which successfully obtain event patches that related to the key visual concepts of each event.
- The performance of event detection achieves an impressive improvement by using the mined Event Patches.

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