

CRCV HSAP PRESENTATION

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DATA COLLECTION FOR KRISHNA

Ground Videos: 70 new (~640 total)

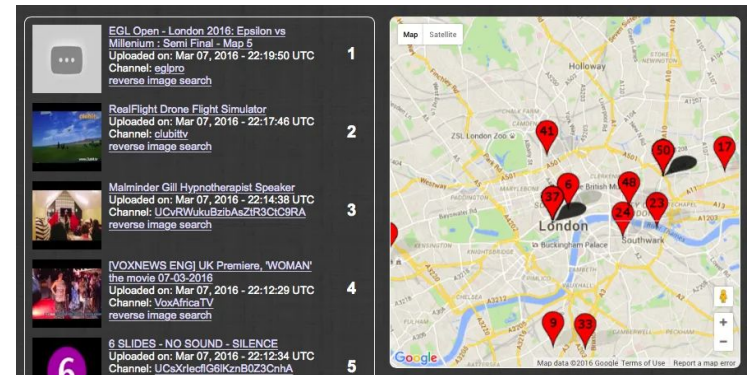
Aerial Videos: 70 new (~648 total)

Total: 223 new videos (~1288 total videos collected)

+ 7 total cities

- GeoTags

- YouTube will let users use their Geo Search Tools to find videos in certain locations, but there isn't a way to do it vice versa.





RESEARCH PAPER READING (1)

Computer Vision and Image Understanding: The THUMOS challenge on action recognition for videos “in the wild”

- THUMOS Dataset
 - Drawn from public videos on YouTube
- Positive Videos: using keywords to find reasonable sets of potential videos for each action
- Background Videos: those that share the context of a given action without actually showing instances of the given action being performed
 - ex.) The ‘Playing Piano’ Class



RESEARCH PAPER READING (2)

Computer Vision and Image Understanding: The THUMOS challenge on action recognition for videos “in the wild”

- Annotation & Verification Procedure
 - 1.) Annotate the videos on whether it's *positive* or *irrelevant*
 - 2.) A video may contain an instance of an action, but was marked as irrelevant if it satisfied any of the following criteria including ...
 - Slow motion, speed up, motion blur, etc.
- Annotating background videos are harder
 - Each background should not contain any instances of the 101 action classes



RESEARCH PAPER READING (3)

Computer Vision and Image Understanding: The THUMOS challenge on action recognition for videos “in the wild”

- Temporal Annotations

- First annotated the temporal boundaries in untrimmed videos
 - Each instance of these action classes is annotated with the start and end time in all videos in the **Validation and Test sets**
- To ensure consistency, the annotation has been made by an annotator, and then verified by another annotator
- Important strive towards *reducing human error and keeping consistency and accuracy*



Thank you!

Any questions?