

The 3rd YouTube-8M Video Understanding Challenge

Sprint 2
Group 16

Previous Stage

Target users: General public, researchers, merchants.

MVP: Find out the information stored in non-literal format such as videos or photos which may be related to the keywords provided by use

Technology involved: Python, OpenCV, YOLO frame-based object detection

Current Stage

Phase 1: **Try to detect all objects** which corresponds to our labels in a video

-> completed and demo

Phase 2: **Try to detect the only object that users require** to see in a video

-> completed and demo

Phase 3: **Try to return all timing of key element detected** in a video

-> completed and demo

Shortage: few labels (about 80 labels), long processing time

Future Stage

1. Upload and see if it runs successfully on SCC
2. User interface
3. (Maybe) try other data sets

Thank you!