Human Activity Recognition using Deep Learning

Abstract

In the modern world, as humans move toward integrating technology with day-to-day applications, AI is replacing humans in various laborious tasks that include watching video surveillance streams to detect unusual actions at airports, railway stations, bus stops, and other public gatherings, summarising human actions in a video, etc. A human doing these activities leaves a scope of error due to negligence and is cost-ineffective.

Our project is to identify human activities and the time in the video at which that activity took place using deep learning and video data processing methods. Video processing, unlike image processing, requires a large number of input parameters and computational power to train the model. Our model takes a video clip as input and outputs the human actions and the time of action in the video.

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