Violation Detection in Videos

SMAI Project Proposal

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Link to the project repo : Link

Task Description:

To detect violation in videos with violation being defined as either smoking, drinking or obscenity. This is a form of video classification.

Application: To automate the process of classification of a video sequence as violation present/absent.

Main Goals:
- To train a Neural Network to recognise violation detection as per our definition of a violation.
- To return timestamps between which violation occurs.
- To try to ensure that no false negatives are present, i.e in case of a violation, it must detect it.