GT Files Generation

* **Run dump\_validation\_list.py** to generate validation\_list.pklwith proper variable set which is described in the 3rd point
* **Run list\_making.py** to generate train\_list.pkl. These two files will be used in next steps
* **Run instance\_creation.py. Set the following three variables accordingly:**
  + frame\_dir = ‘path to extracted frames folder for each videos’.
    - Example: frame\_dir = ‘./all\_frames’. So, one of the paths is, path =‘./all\_frames/ vlc-record-2019-08-20-04h59m55s-rtsp\_10.248.32.69\_RTP-Multicast\_pMediaProfile2-’ Here in the folder(all\_frames) all extracted frames from the corresponding video are saved inside that video folder.
  + annotation\_base\_dir = ‘path to annotation folder for each videos’
    - Example: annotation\_base\_dir = ‘./all\_annotations’. So one of the path will be path=’./allannotations/ vlc-record-2019-08-20-04h59m55s-rtsp\_10.248.32.69\_RTP-Multicast\_pMediaProfile2-\_gt.txt’. Here in the folder(“all annotations”), we have annotation for each video.
  + cache = ‘path to save the generated pickle file’
    - Example: cache = ‘./cache/validation’ will save the pickle file’
  + train\_list = ‘list of all the videos of train’

**Result:** After running this, we will get “elbit\_instances\_train.pkl/ elbit\_instances\_validation.pkl” depending on the video list(train/validation) we used to generate.

* **Run instance\_splitting.py**
  + data\_file = ‘path of elbit\_instances\_train(or validation).pkl generated in the previous step’
  + annot\_file = ‘path to save the generated ground truth pickle file’

**Result:** After running this, we will get “elbit\_action\_instances\_train.pkl/ elbit\_action\_instances\_validation.pkl” depending on the data\_file we used to generate.

* **Run video\_level\_annot.py**
  + data\_file = ‘path of elbit\_action\_instances\_train(or validation).pkl generated in the previous step’
  + annot\_file = ‘path to save the generated ground truth video level pickle file’

**Result:** After running this, we will get “elbit\_video\_annots\_train.pkl/ elbit\_video\_annots\_validation.pkl” depending on the data\_file we used to generate.