2020-12-05 10:41:42 AM

generate noisy MOT labels using one of several proposed MOTs out of which only SORT seems to have been used

Use the noisy labels to train a ResNet50 based ReID model which is apparently supposed to learn something inherent in the data itself to be able to improve on the noisy tracking results on which it is trained

Replace the supervised ReID model of an existing MOT with this unsupervised ReID to show that its performance largely remains unchanged
    this has been done with the Tracktor and CenterTrack

ablation studies using progressively weaker ReID models including random one to show that it does indeed affect the performance and, except for the random, it seems to have surprisingly little impact at least on the MOTA

Most of the performance improvement/equivalence shown by the unsupervised ReID is also confined to IDF1

Training is done on the PathTrack dataset while testing is done on MOT 16/17 which might also partly account for the better than expected performance

For the most part, merely outlines the limitations of the existing MOT methods and their dependents on the detection quality itself which is already well known

Code is not released under the promise that it would be once accepted which is hardly to be trusted