

Improve existing online trackers by measuring feature evolution of objects [UAV videos]

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Team: Trinity (Github link)

WEEK NUMBER: 2

A. Progress Summary

1) Work Completed:

- Download the following datasets from VisDrone Dataset:
 - VisDrone-SOT dataset
 - VisDrone-MOT dataset
- Read some articles on the Simple Object Realtime Tracker (SORT) & Deep Simple Online and Realtime Tracker (DeepSORT). Using following platforms:
 - LearnOpenCV by BigVision.ai
 - medium.com
 - ikomia.ai
 - OpenAI

2) Milestones achieved:

- Successfully downloaded the memory-heavy data

B. Upcoming Tasks

1) Tasks Planned:

- Exploring the dataset.
- Need to implement the SORT / DeepSORT to check what we are getting and what changes we can make
- Selection of the best suitable algorithm to get better results.