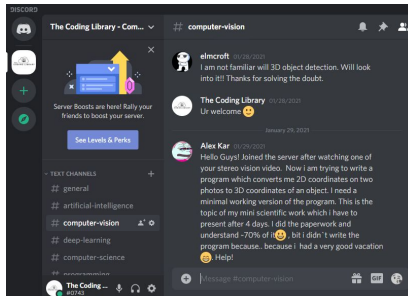# Computer Vision

Background Subtraction / Segmentation

Discord Link in Description

Background Subtraction / Segmentation

- Pre-processing of the image

- Segmentation of objects

- Remove background or apply filters

- How to do Background Subtraction?

    - Subtracting two images from each other

    - K Nearest Neighbor

    - Mixture of Gaussian
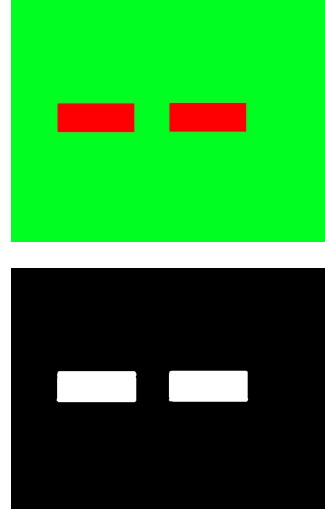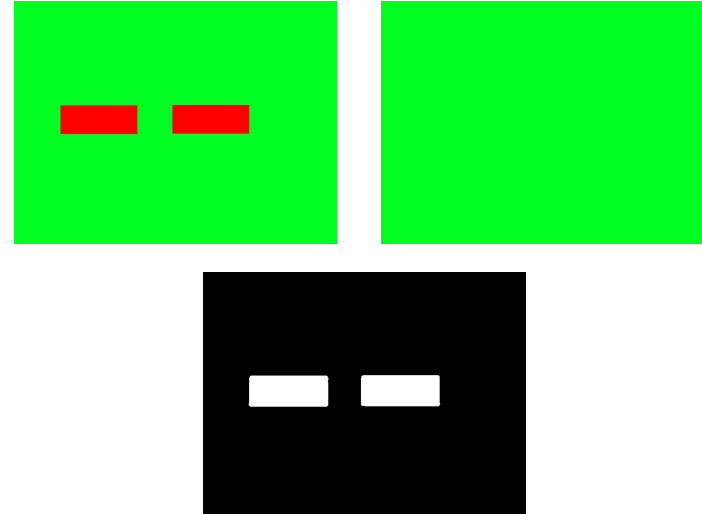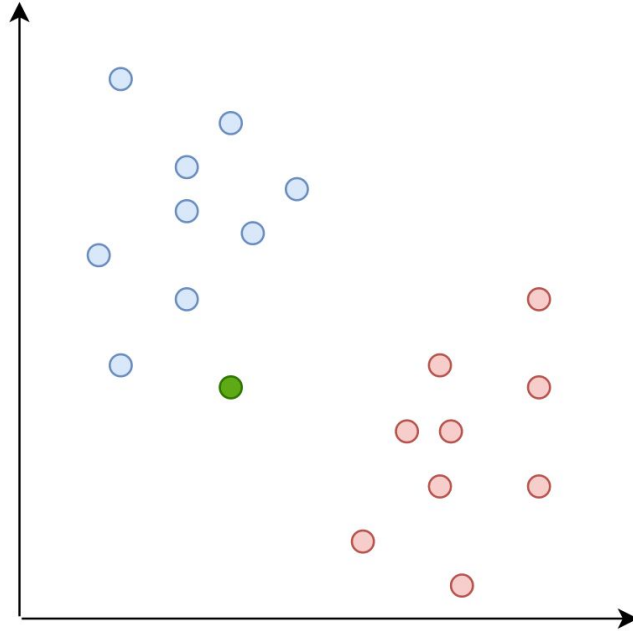
    - Neural Networks

Image Subtraction

- Difference between two frames
- Depends on the speed of the objects and the frame rate
- Sensitive to the threshold
- Sensitive to noise and moving objects
- Running average of the background

K Nearest Neighbour

Deep Learning - Background Segmentation