



## Object Detection

**Task1:** Create an object detection pipeline for detecting the **horses** in a video using the pre-trained object detection networks e.g. [SSD](#).

This can also be done manually by training your own network on PASCAL VOC as it has a number of visual object classes from realistic scenes (i.e. not pre-segmented objects) into twenty object classes that have been selected are:

**Person:** person

**Animal:** bird, cat, cow, dog, horse, sheep

**Vehicle:** aeroplane, bicycle, boat, bus, car, motorbike, train

**Indoor:** bottle, chair, dining table, potted plant, sofa, tv/monitor

Use the video provided with the lab for testing purposes. Use any language and framework of your choice but notebook of keras with tensorflow/pytourtch is preferred.