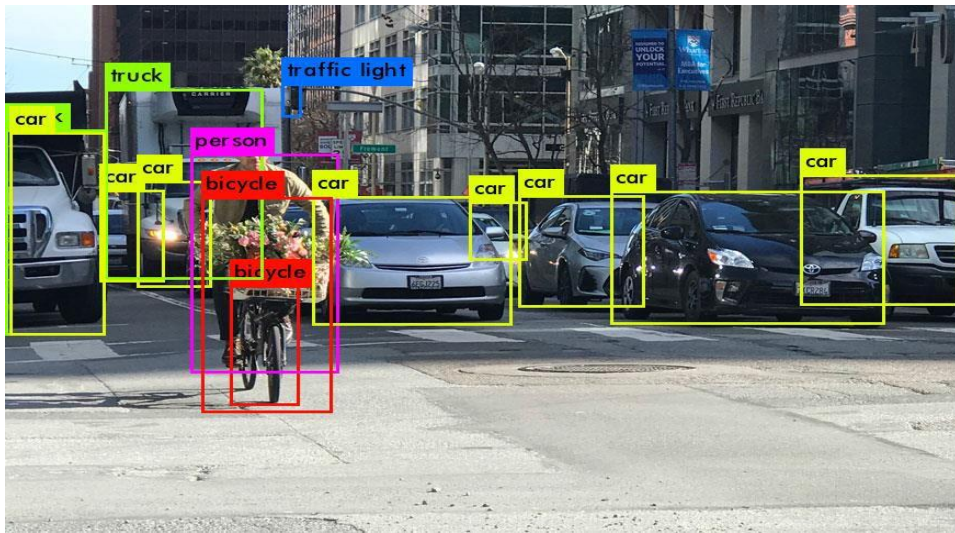


# PROJECT OBJECTIVES

## YOLOv3:

- YOLOv3 (You Only Look Once, Version 3) is a **real-time object detection algorithm that identifies specific objects in videos, live feeds, or images.**
- The YOLO machine learning algorithm uses features learned by a deep convolutional neural network to detect an object.



YOLOv3 runs much faster than previous detection methods with a comparable performance using an M40/Titan X GPU

<https://viso.ai/deep-learning/yolov3-overview/>

## Steps to train a YOLO model in a windows environment:

- Image Collection
- Image Selection (How to choose a proper set of images to train YOLO)
- Annotate Image
- Download and configure Darknet in Windows
- Create Train and Test Data to train YOLO model
- Compile darknet on Windows
- Train YOLO custom object detection model in Windows
- Test YOLO model for image and video