

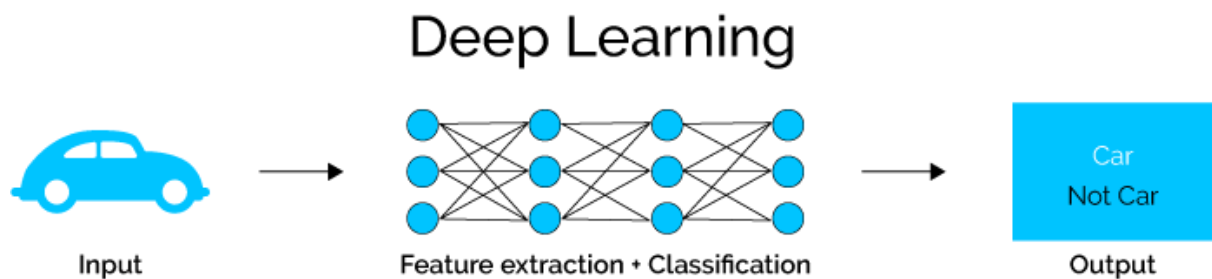
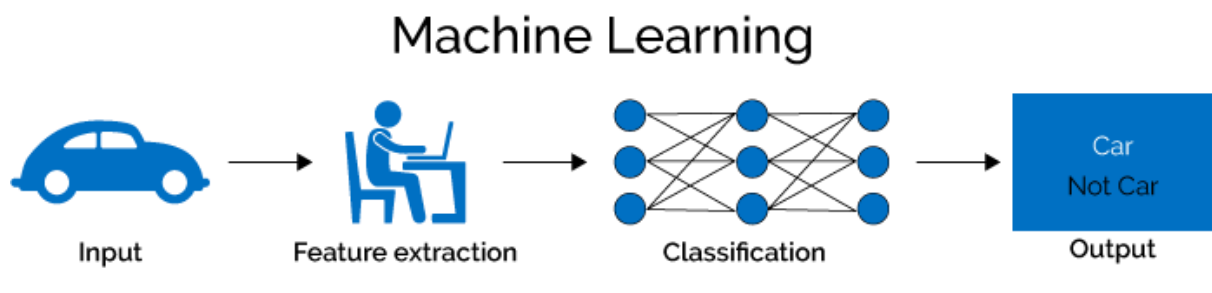
Deep Learning with MATLAB

Computer Vision

- Image-Based Segmentation e.g., [Blob Analysis](#) [Color Thresholding](#)
- Feature-Based Object Detection e.g., [HOG](#) [SURF](#)

Machine Learning

- Support Vector Machines (SVM) [Guide](#)
- The Viola-Jones Algorithm [Explanation](#)

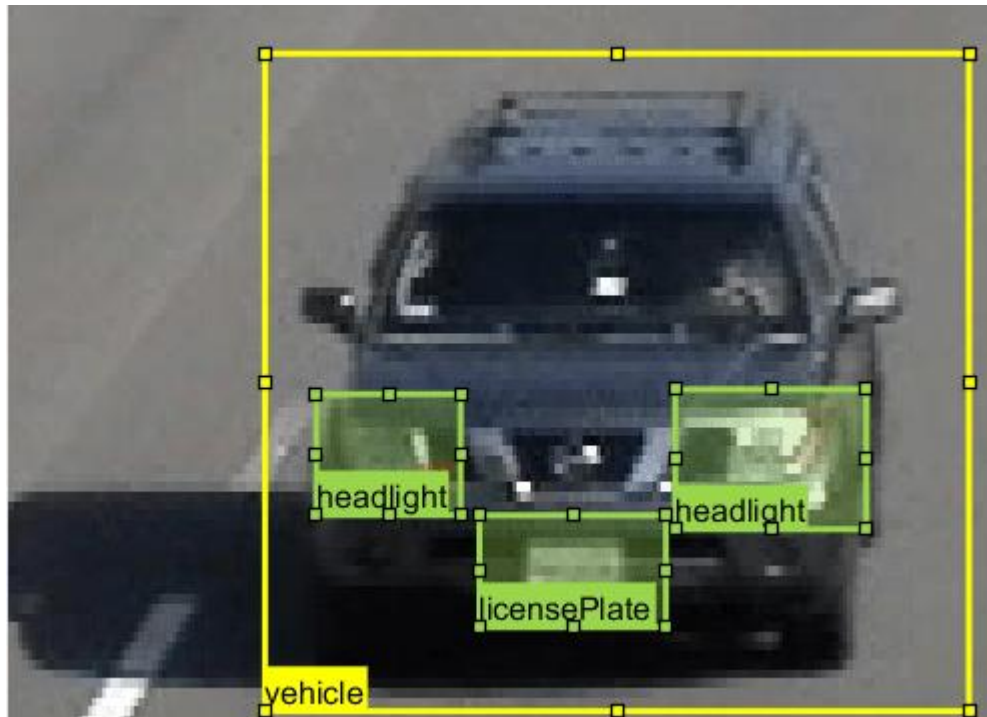


Deep Learning

- Convolutional Neural Networks
e.g., [R-CNN](#) [YOLO](#)

Ground Truth

- The **real and empirical** data that algorithms and neural networks can run on
- E.g., Labels in the video



Guides for MATLAB Toolboxes Used

[Computer Vision Guide](#)

[Automated Driving Guide](#)