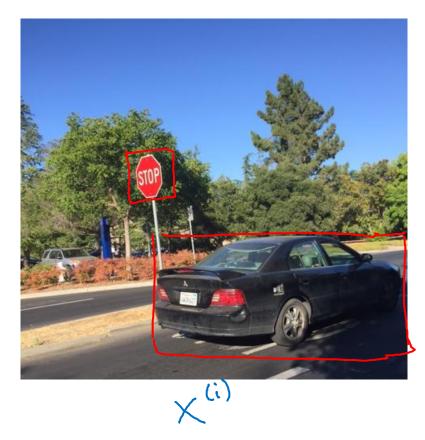


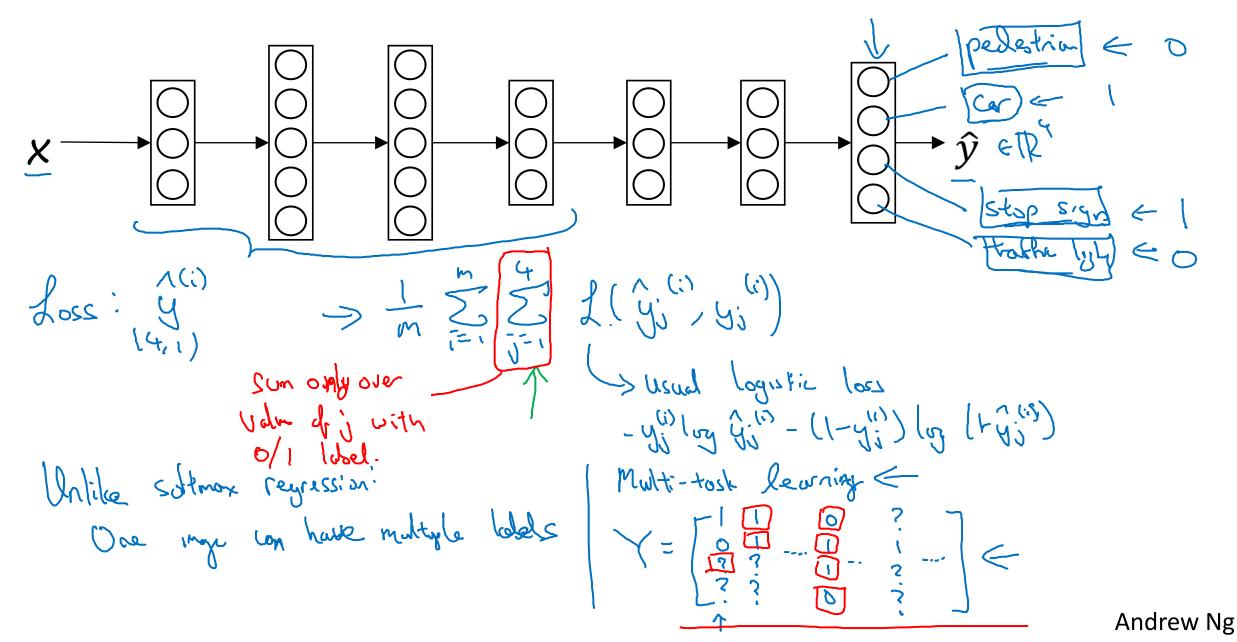
## Learning from multiple tasks

# Multi-task learning

### Simplified autonomous driving example



#### Neural network architecture



#### When multi-task learning makes sense

• Training on a set of tasks that could benefit from having shared lower-level features.

· Usually: Amount of data you have for each task is

quite similar. 1,000,000

B 1,000

· Can train a big enough neural network to do well on all the tasks.

99,000

G80