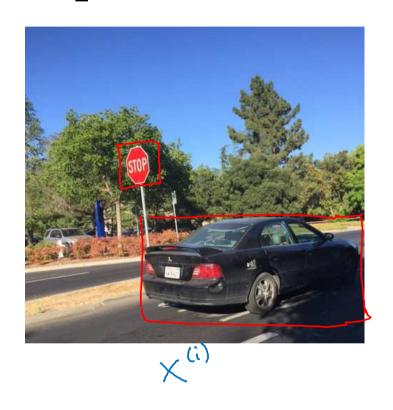


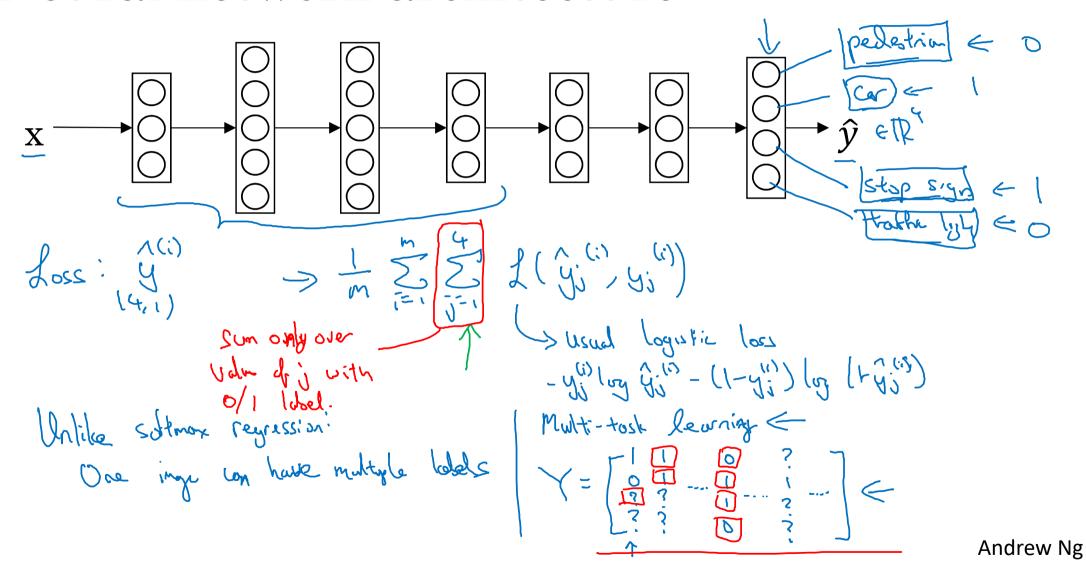
Learning from multiple tasks

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

1,000

J80,

99,000

similar. A Lpoo,000

B 1,000

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