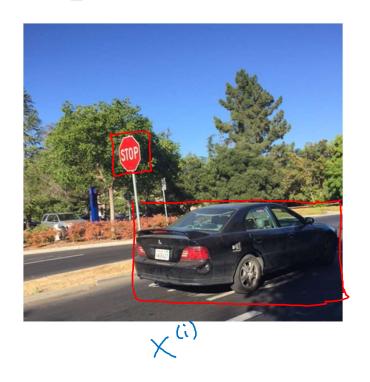


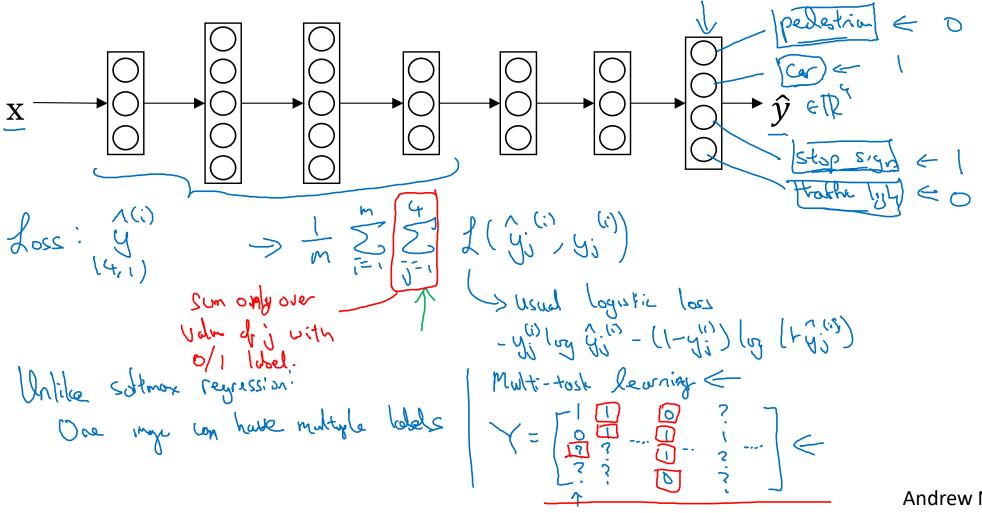
## Learning from multiple tasks

# Multi-task learning

#### Simplified autonomous driving example



#### Neural network architecture

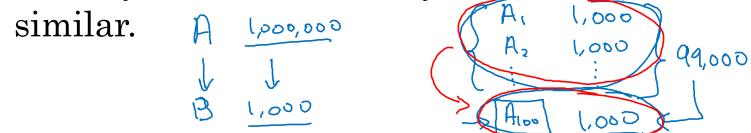


**Andrew Ng** 

### 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



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