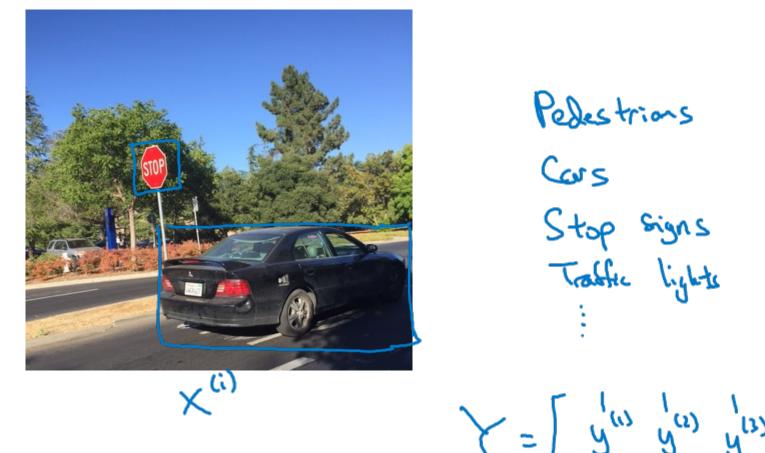
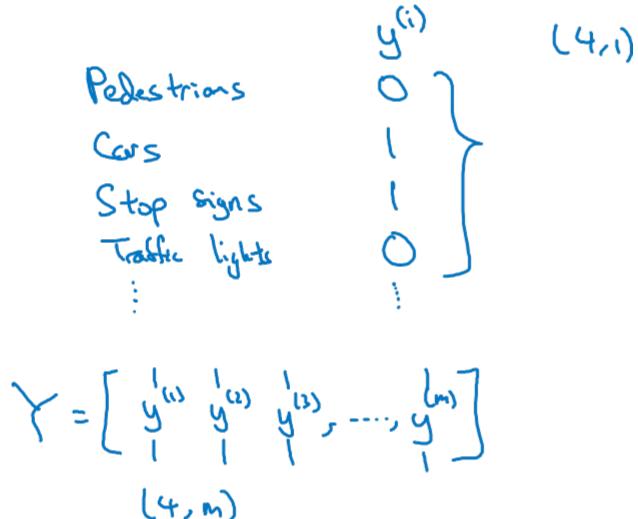


## Learning from multiple tasks

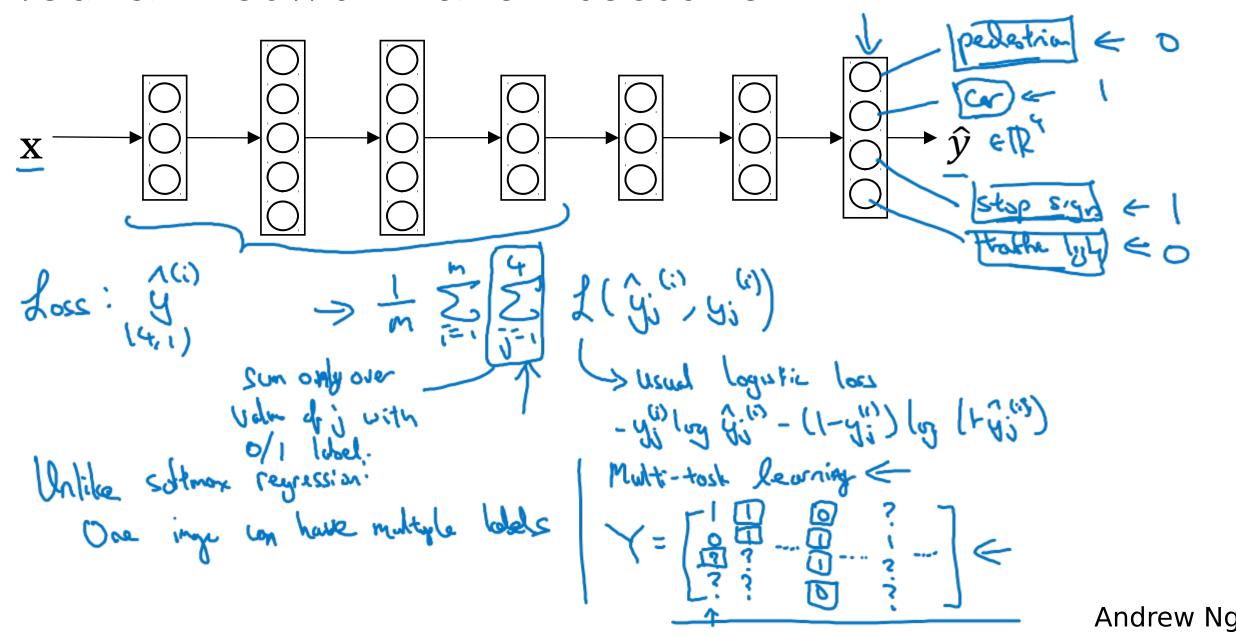
Multi-task learning

## 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. A Lpoo,000

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