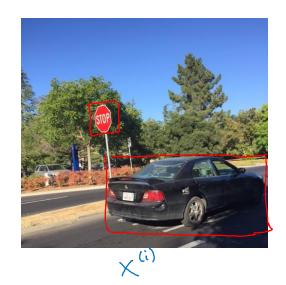


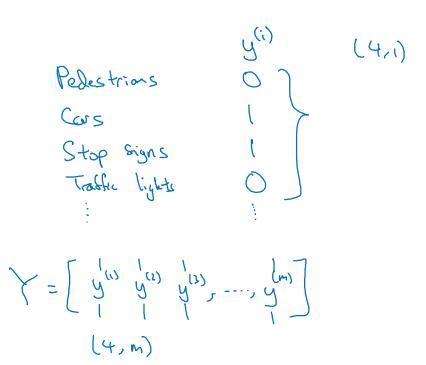
Learning from multiple tasks

Multi-task learning

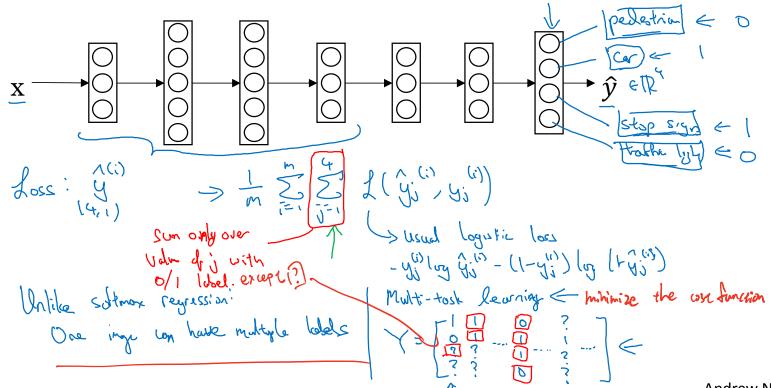
simultaneously

Simplified autonomous driving example





Neural network architecture

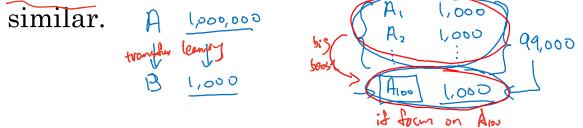


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When multi-task learning makes sense

• 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.