

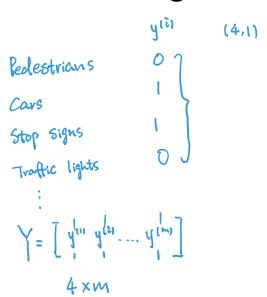
Learning from multiple tasks

Multi-task learning

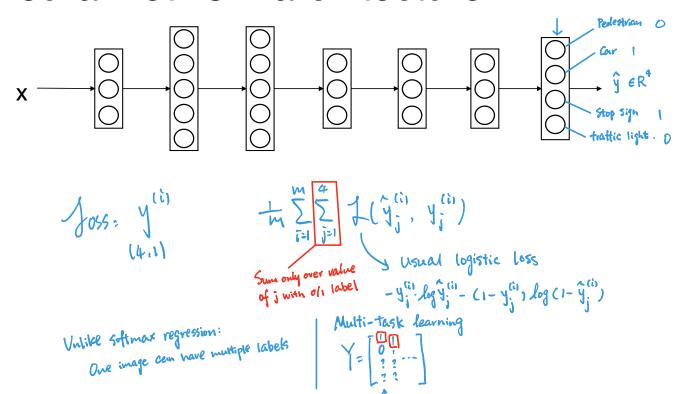
Simplified autonomous driving example



xiij

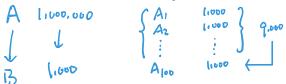


Neural network architecture



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.



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