

Learning from multiple tasks

Multi-task learning

Simplified autonomous driving example



Output

Neural network architecture Multi-tosk learning < One impe con have multiple lobels 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

similar. A 1,000,000

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

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