

End-to-end deep learning

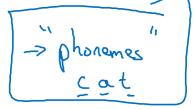
Whether to use end-to-end learning

Pros and cons of end-to-end deep learning

Pros:

• Let the data speak

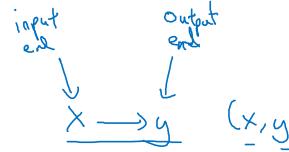




Less hand-designing of components needed

Cons:

May need large amount of data

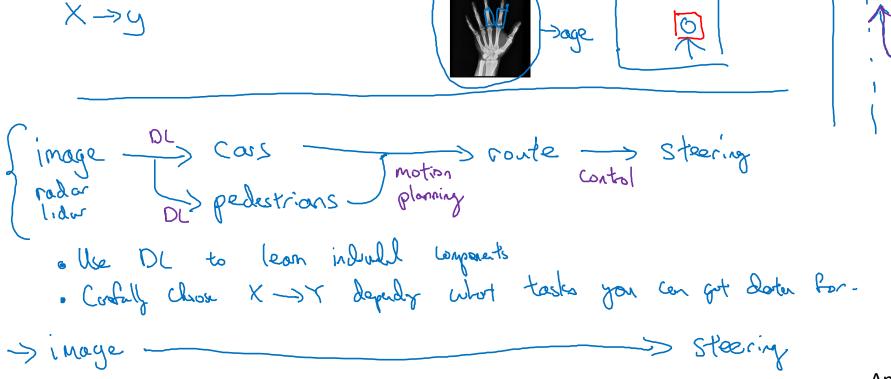


• Excludes potentially useful hand-designed components

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Applying end-to-end deep learning

Key question: Do you have sufficient data to learn a function of the complexity needed to map x to y?



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