

End-to-end deep learning

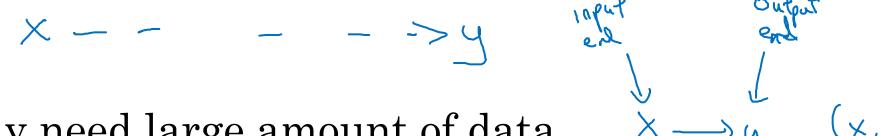
Whether to use end-to-end learning

Pros and cons of end-to-end deep learning

Pros:

Cons:

- Let the data speak
- Less hand-designing of components needed



- May need large amount of data
- Excludes potentially useful hand-designed components

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?

