Deep Saning - Treing Neural Network What is a Neurl Network 1st ! fine

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Newrons

Price Predition Here remos can all for like the Ubrev, some gont of fxn

Myst Juges Fratures size #bedrooms x_2 zip code x_3 wealth lyer day fale is all All He right feature are provide at each neuon Host neum decide (x, y) for lessough date not you can gest (board renter superind lessing Question True or false? As explained in this lecture, every input layer feature is interconnected with every hidden layer feature. ○ False True **⊘** Correct

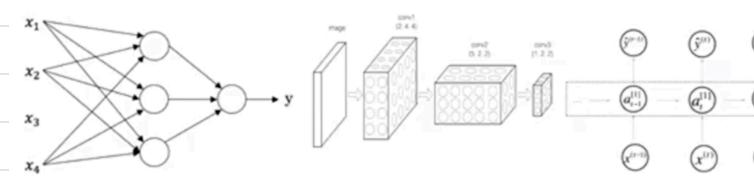
Supervised Learning

Input(x)	Output (y)	Application
Home features	Price	Real Estate Online Advertising
Ad, user info	Click on ad? (0/1)	Online Advertising
Image	Object (1,,1000)	Photo tagging CNN
Audio	Text transcript	Speech recognition \ \ \mathcal{NN}
English	Chinese	Machine translation
Image, Radar info	Position of other cars	Autonomous driving) Cutom

Will rent returns for dill problems

Neural Network examples

Eg.



Standard NN

Convolutional NN

Recurrent N

Supervised Learning

Structured Data

Size	#bedrooms	 Price (1000\$s)
2104	(3)	400
1600	3	330
2400	3	369
		1
3000	4	540

0 1	V		V		
User Age	Ad Id	***	Click		
41)	93242		1		
80	93287		0		
18	87312		1		
	1		1		
27	71244		1		

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Unstructured Data





Audio

Image

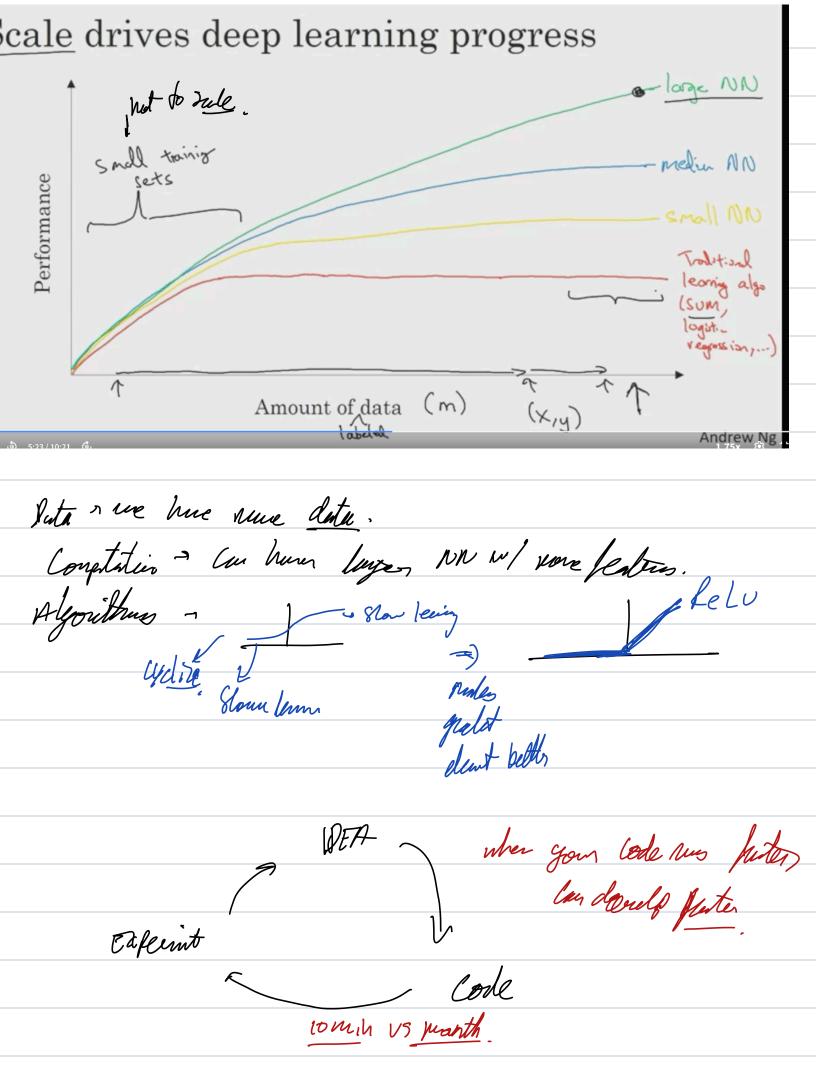
Four scores and seven years ago...

Text

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