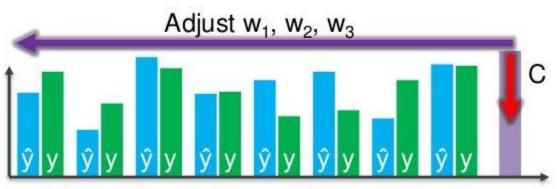
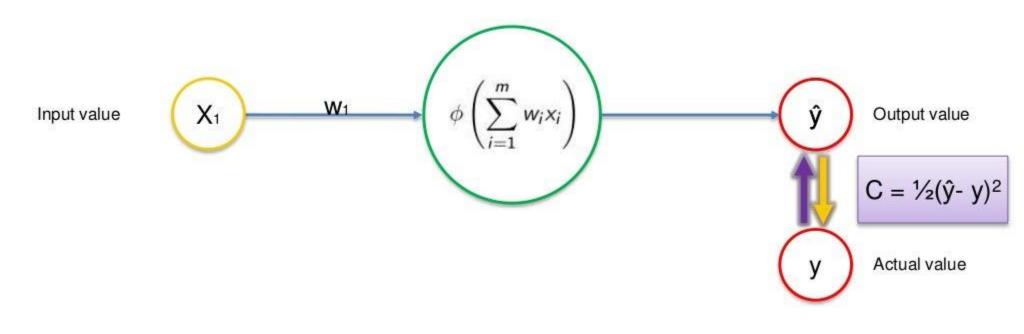
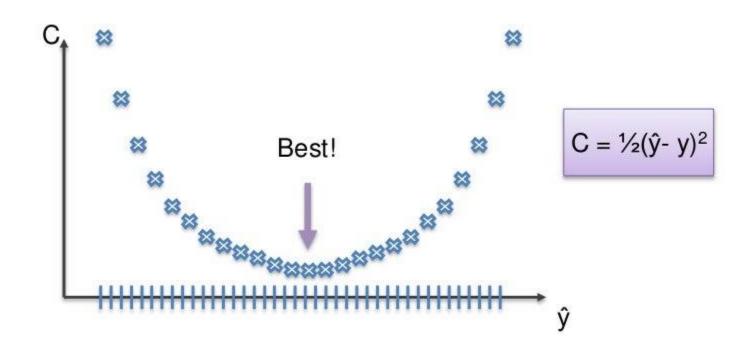


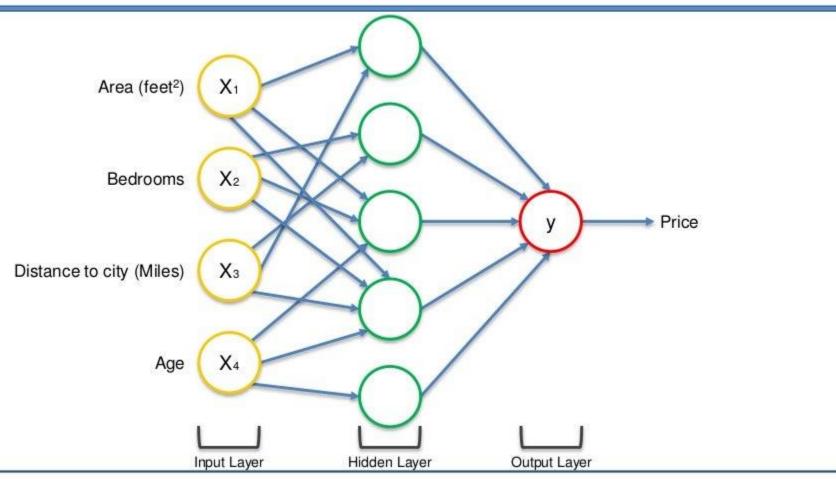
Row ID	Study Hrs	Sleep Hrs	Quiz	Exam	
1	12	6	78%	93%	
2	22	6.5	24%	68%	
3	115	4	100%	95%	
4	31	9	67%	75%	
5	0	10	58%	51%	
6	5	8	78%	60%	G = 4//0 \0
7	92	6	82%	89%	$C = \sum \frac{1}{2}(\hat{y} - y)^2$
8	57	8	91%	97%	

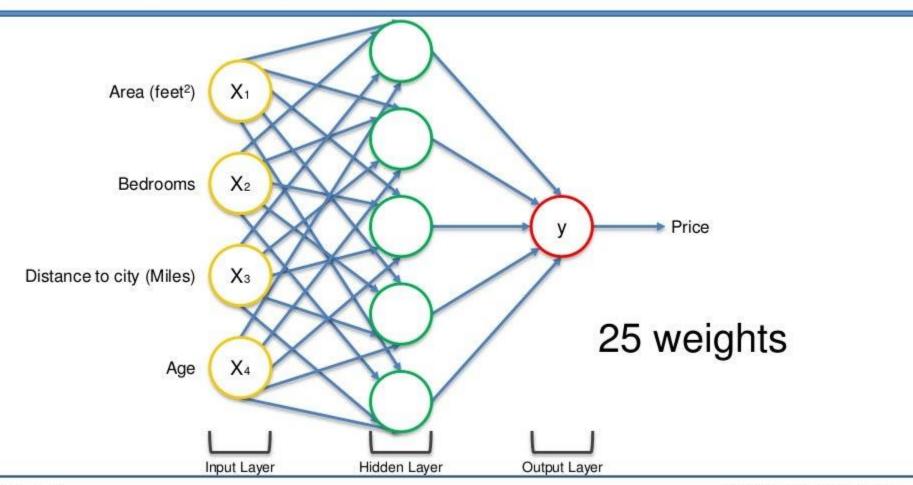






Curse of Dimensionality





 $1,000 \times 1,000 \times ... \times 1,000 = 1,000^{25} = 10^{75}$ combinations

Sunway TaihuLight: World's fastest Super Computer

93 PFLOPS

93 x 10¹⁵

 $10^{75}/(93 \times 10^{15})$

 $= 1.08 \times 10^{58} \text{ seconds}$

 $= 3.42 \times 10^{50} \text{ years}$





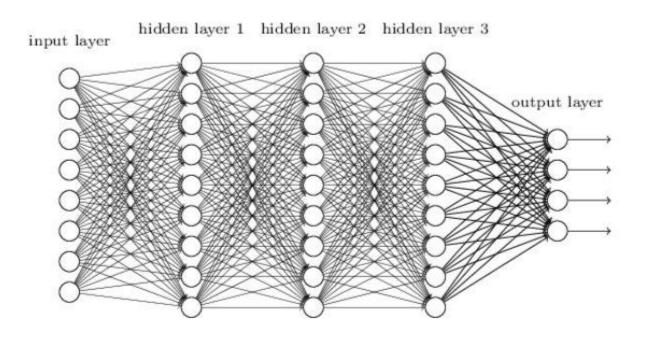


Image Source: neuralnetworksanddeeplearning.com

