신경세포와 학습, 그리고 신경망

제주대학교 컴퓨터공학과 변영철 교수

github.com/yungbyun/ai2

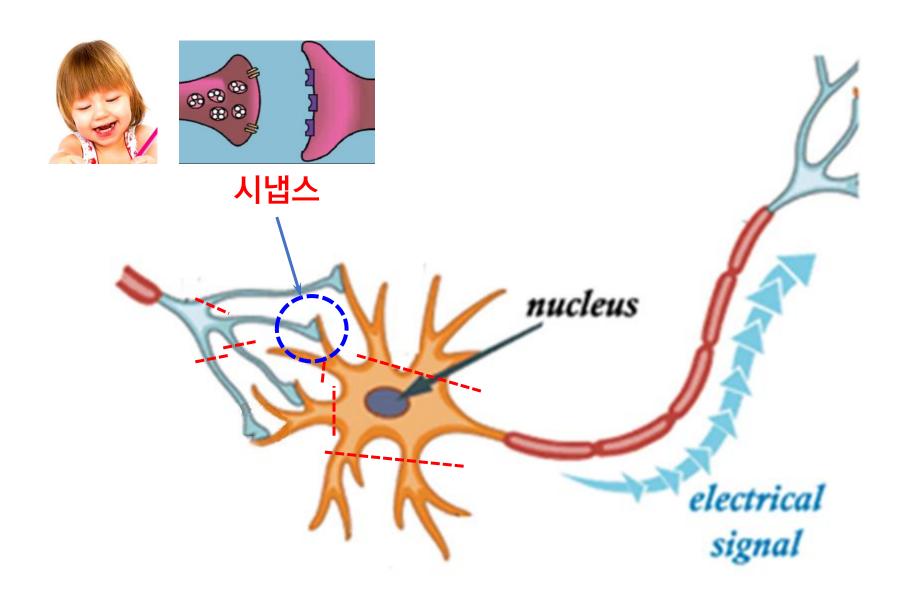


학습 (Learning)

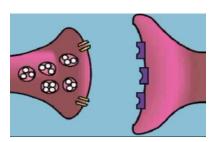


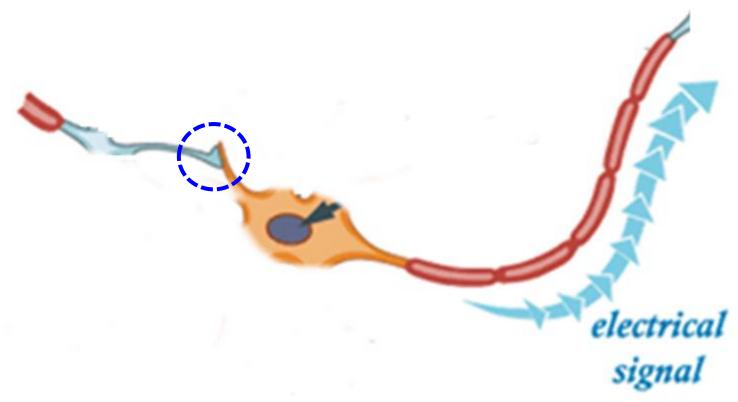
인간의 뇌 시냅스(파라미터) 수 = 약 100조개

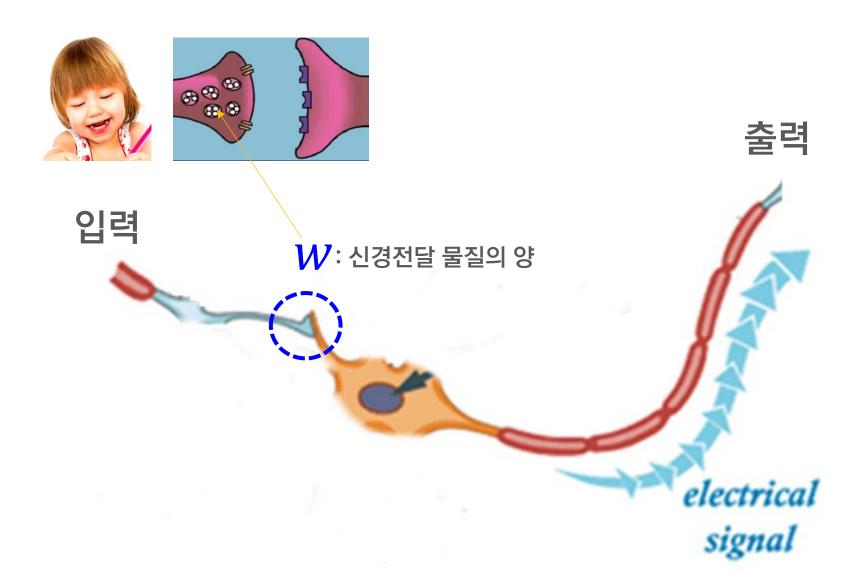
GPT3.5=1,750억 개 GPT4=5,000억 개?



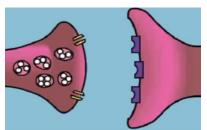




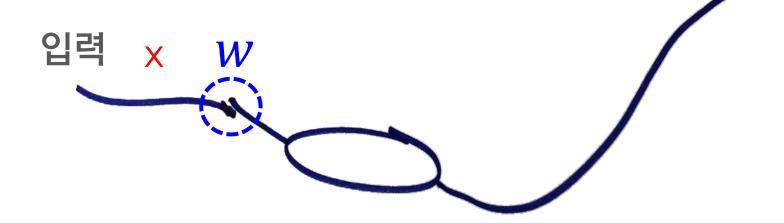




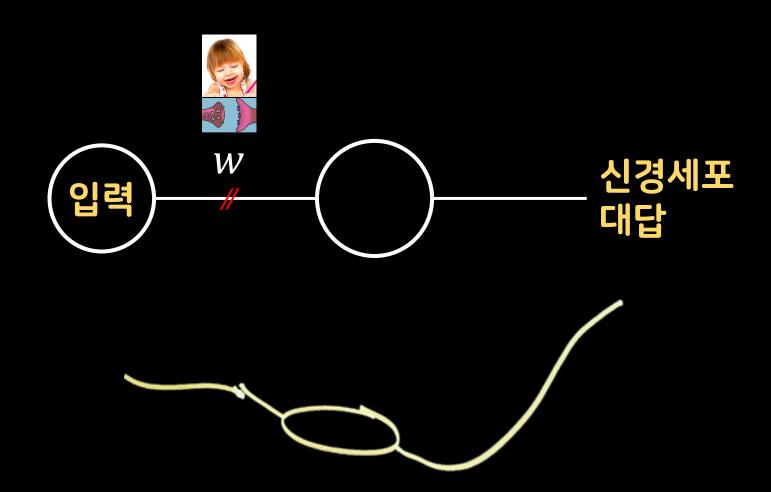




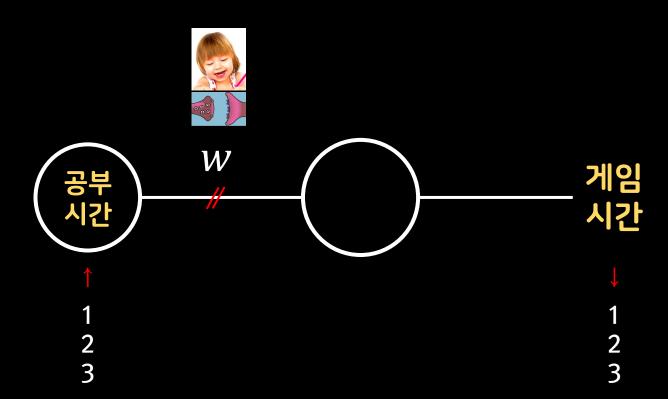
신경세포 출력(대답)

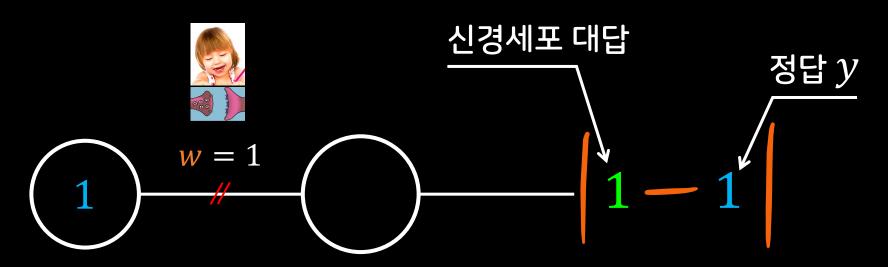


입력 $\times w \rightarrow$ 신경세포 대답



1시간 공부하면 1시간 게임하게

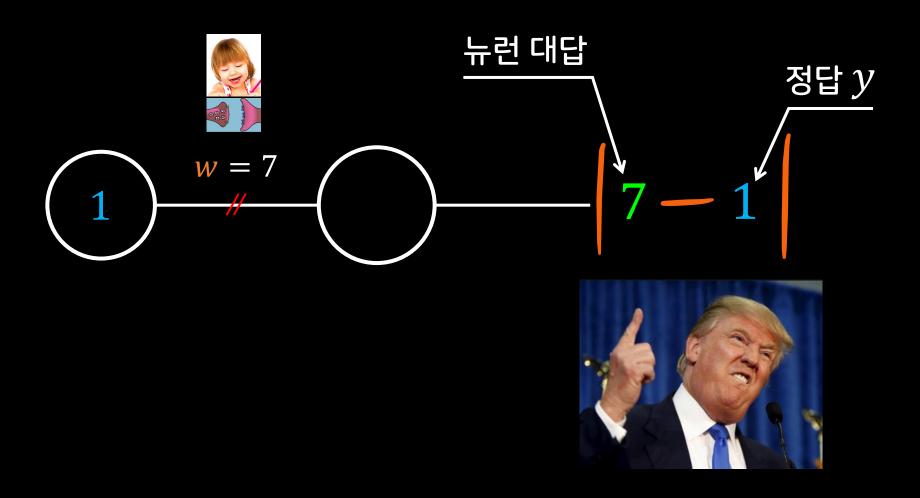




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 두 사람, 키 '차이' 어떻게 돼요?



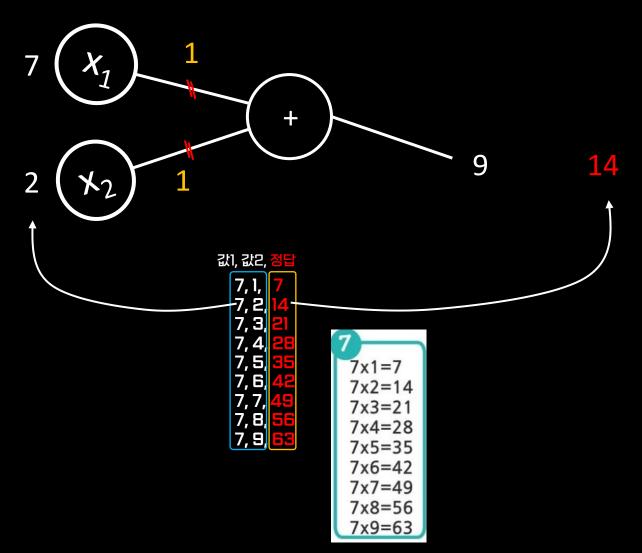


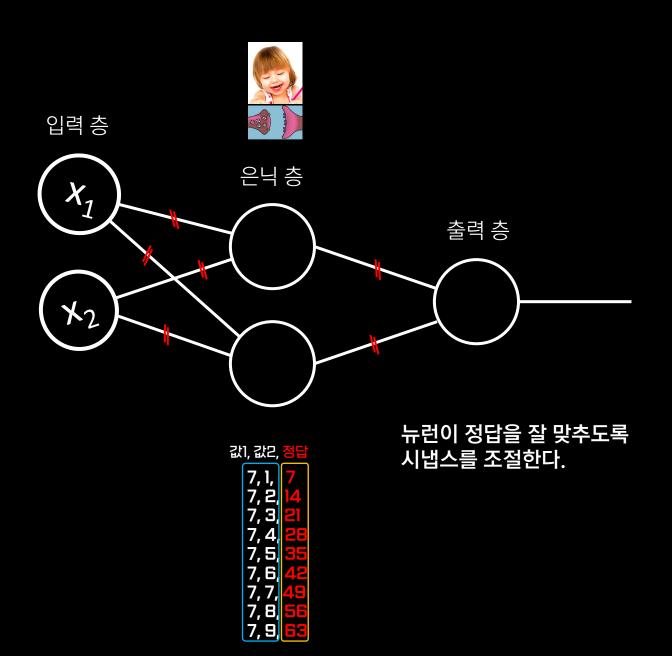
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잘하면? 못하면?

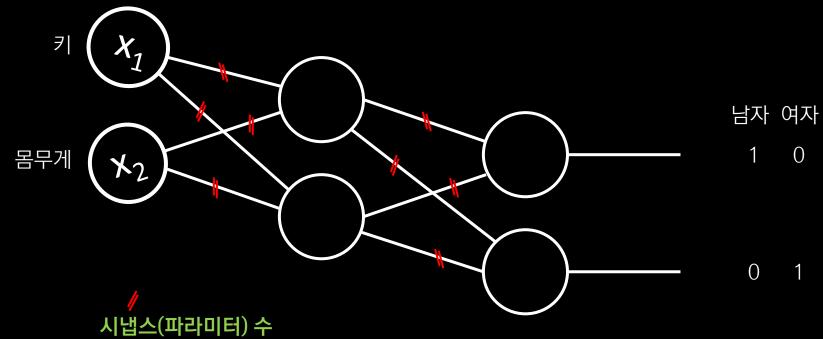
대답을 잘하면 박수, 못하면 화를 내면 시냅스 가중치가 '자동으로' 조정된다.





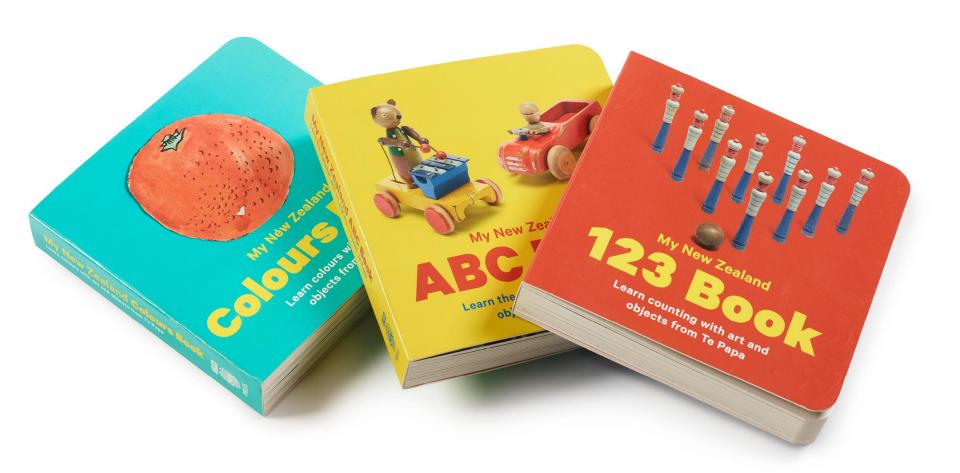






알파고 → ?? 알파 제로 → 5천 6백만 GPT3.5 → 1,750억 GPT4 → 3,000억 ~ 6,000억 (?)

7	몸무게	성별		
167	68	1	0	
153	61	0	1	
178	75	1	0	







三 *对*





animal.csv

사진, 동물이름





₹, 토끼



, 돼지



🌉 , 오리

