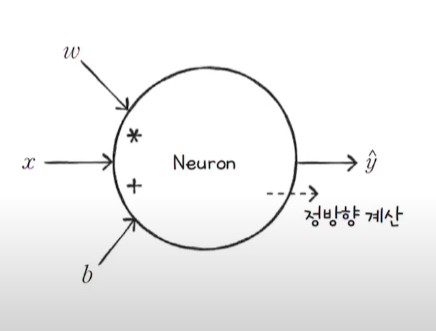
디지털 영상처리 연구실 연구보고서

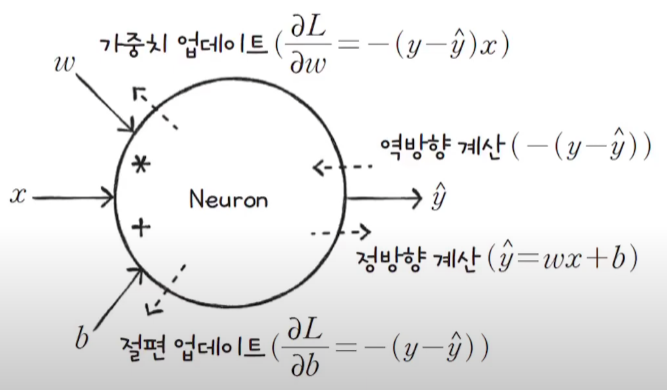
김우헌

#뉴런으로 도식화





#역방향 계산



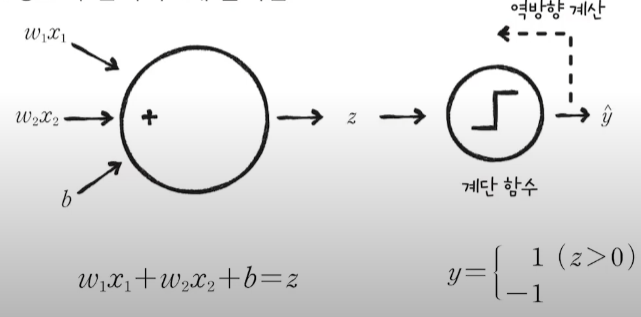
-> w\_new=w+w\_rate\*err

b\_new=b+1\*err

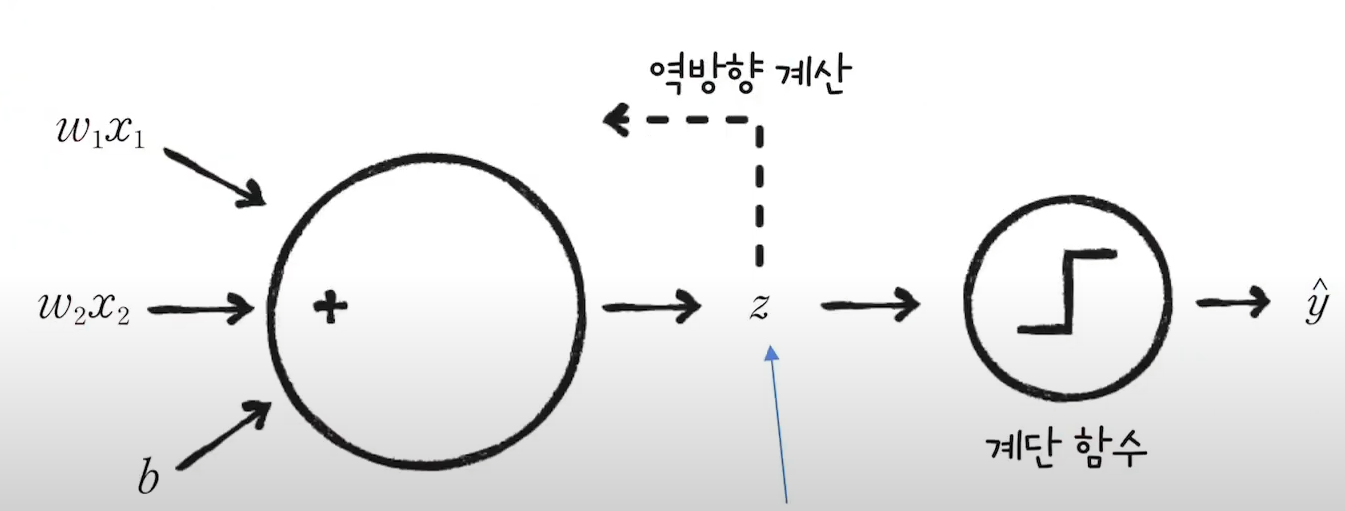
##로지스틱 회귀

#퍼셉트론

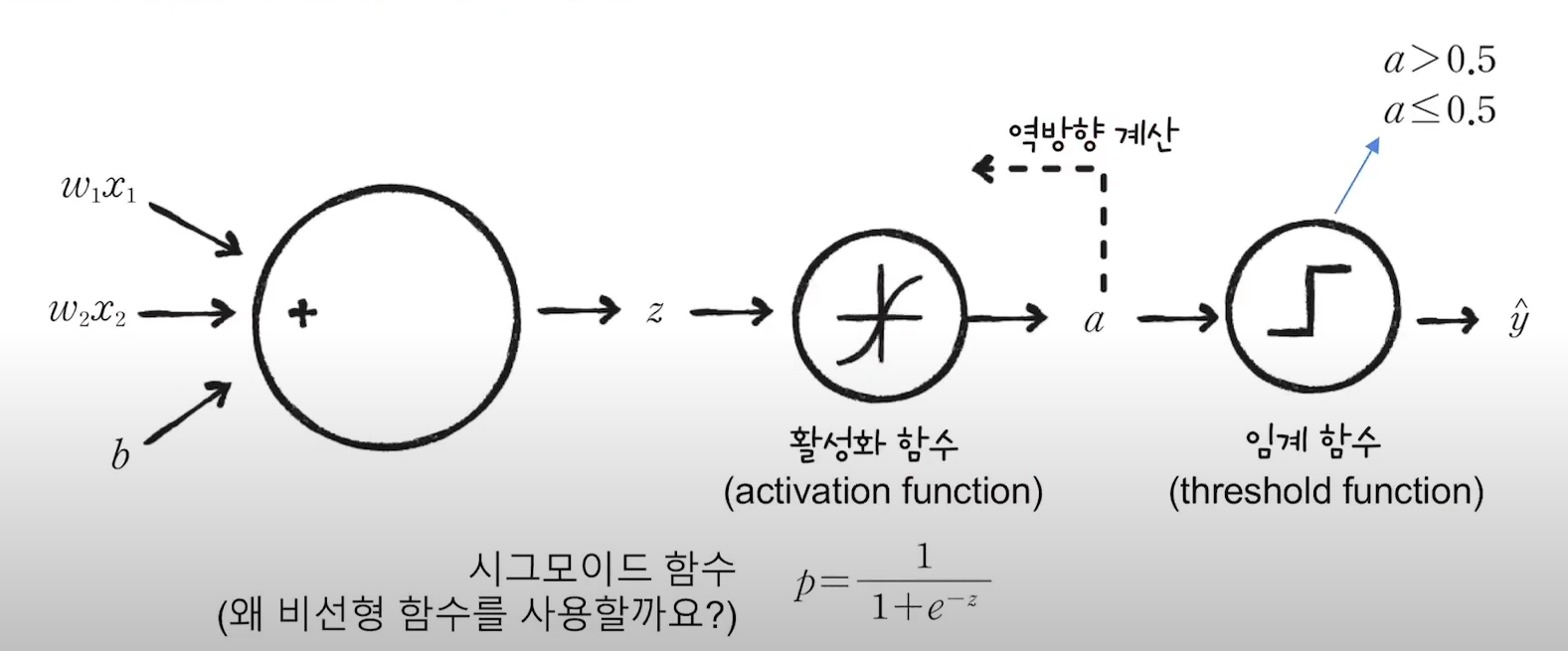
->이진분류를 위한 알고리즘



#아달린

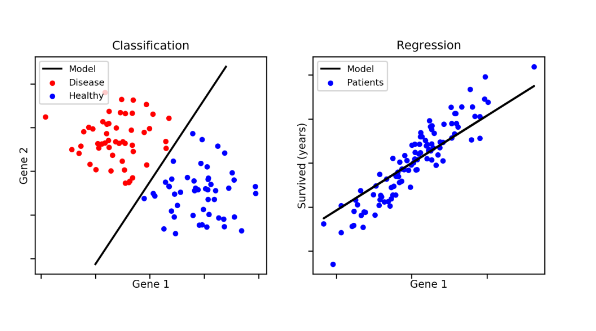


#로지스틱 회귀

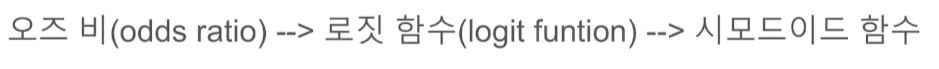


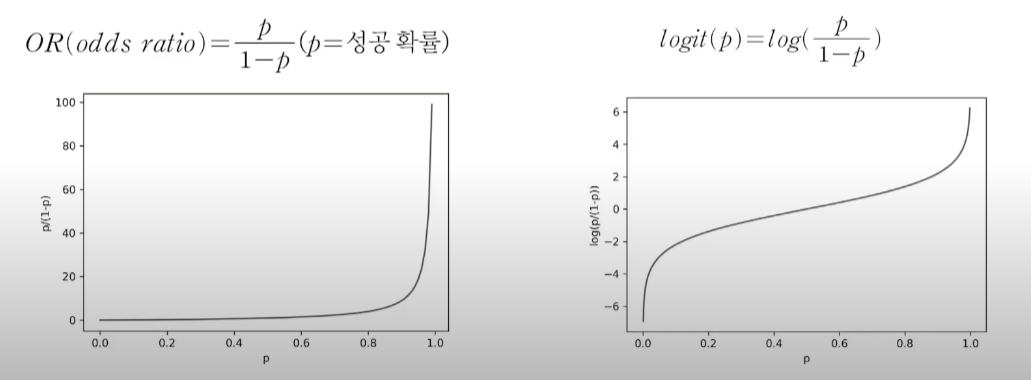
->활성화 함수는 비선형 함수사용(시그모이드함수)

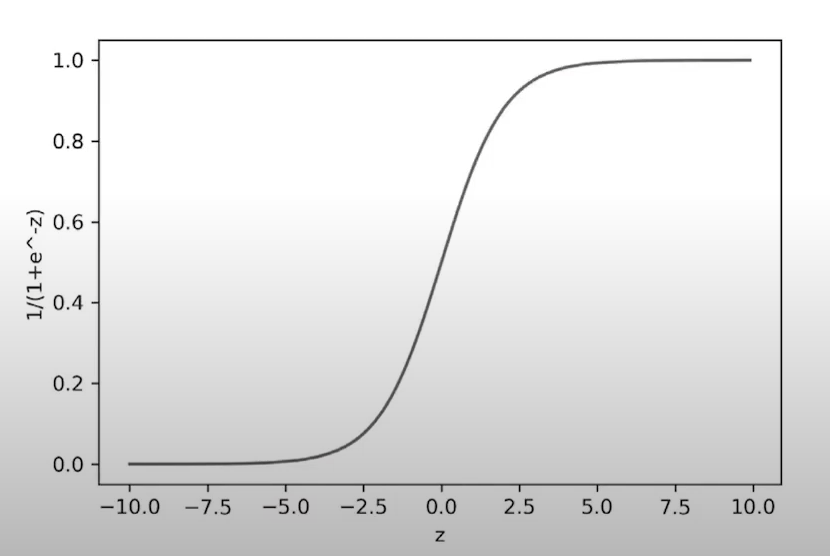
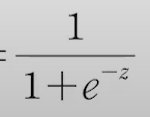
\*\*\*회귀와 분류\*\*\*

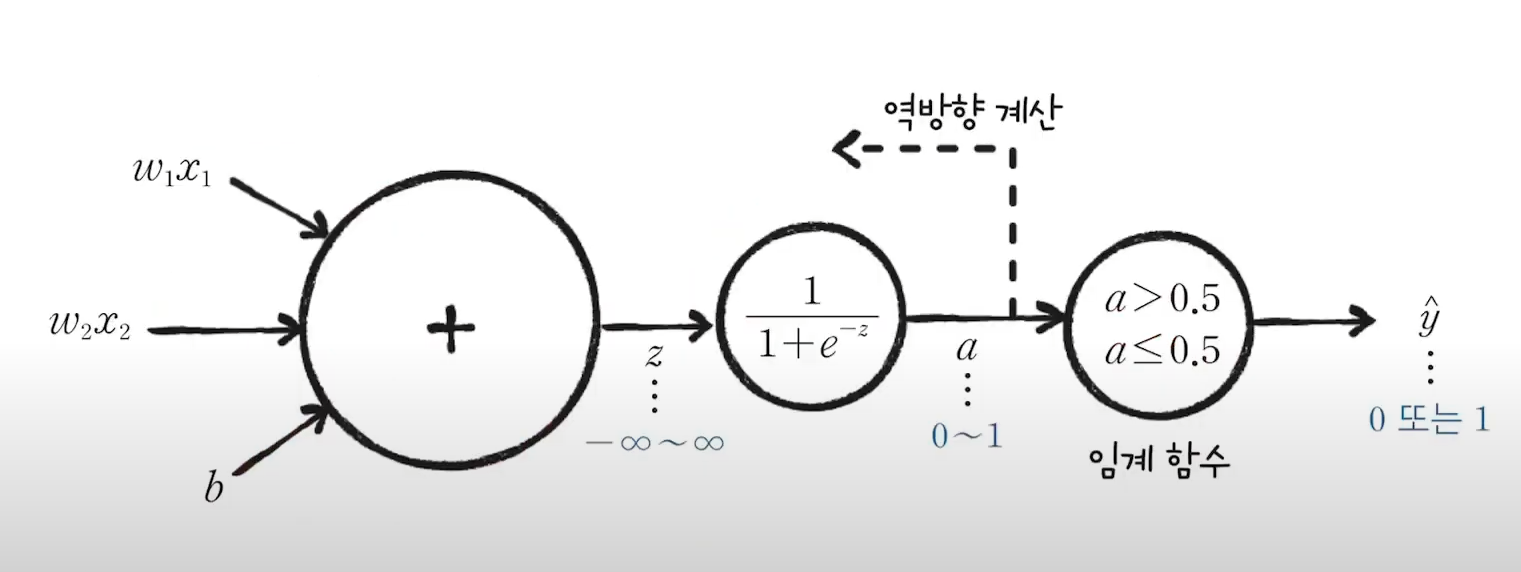


#시그모이드 함수



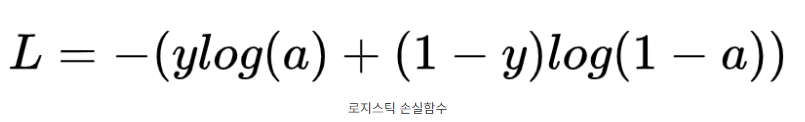


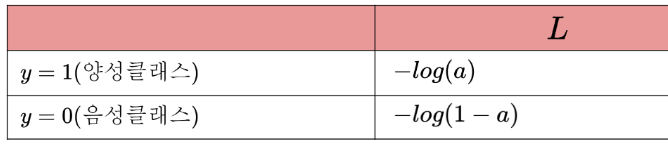


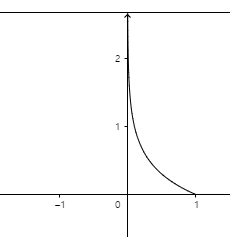
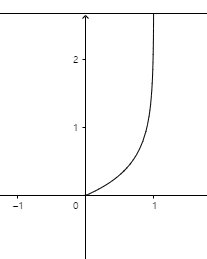


#로지스틱 손실함수

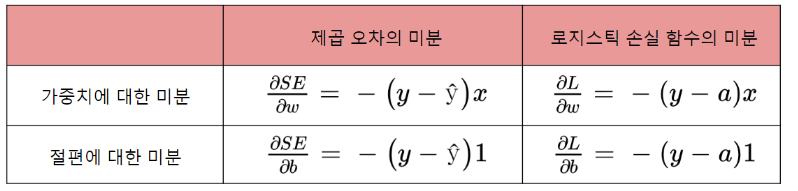
->경사 하강법을 이용하기 위하여 미분가능한 로지스틱 손실함수 사용



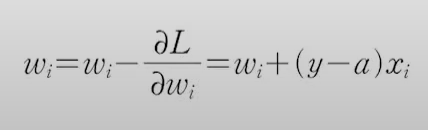




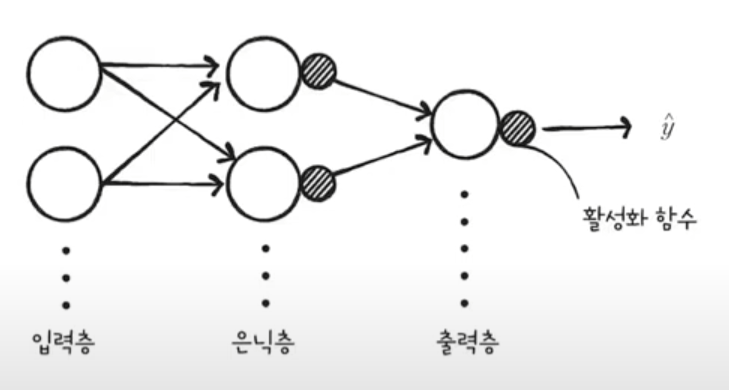
#제곱오차의 미분과 로지스틱 손실함수의 미분



#가중치 업데이트



#인공 신경망(딥러닝,심층 신경망)



#단일층 신경망

