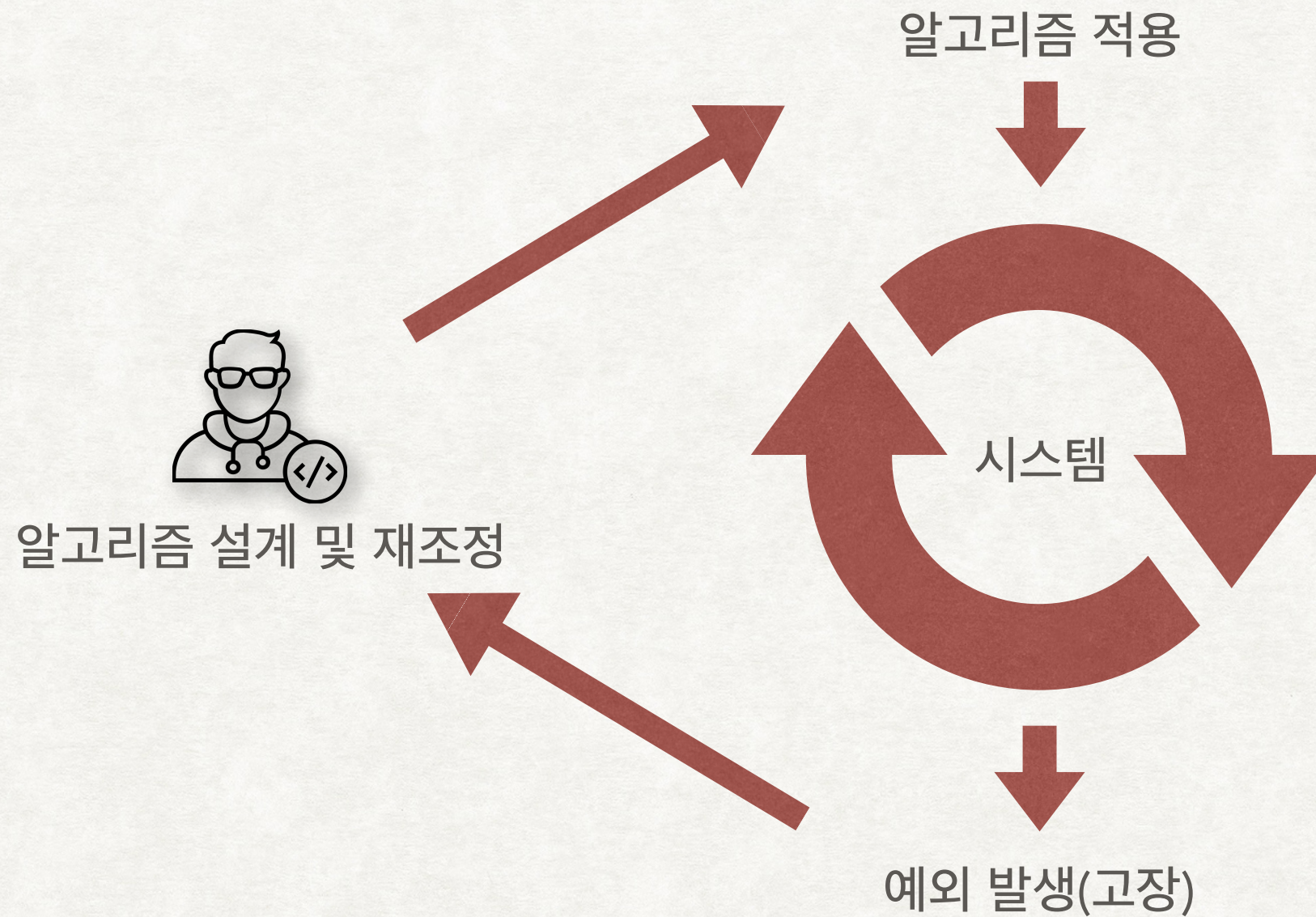


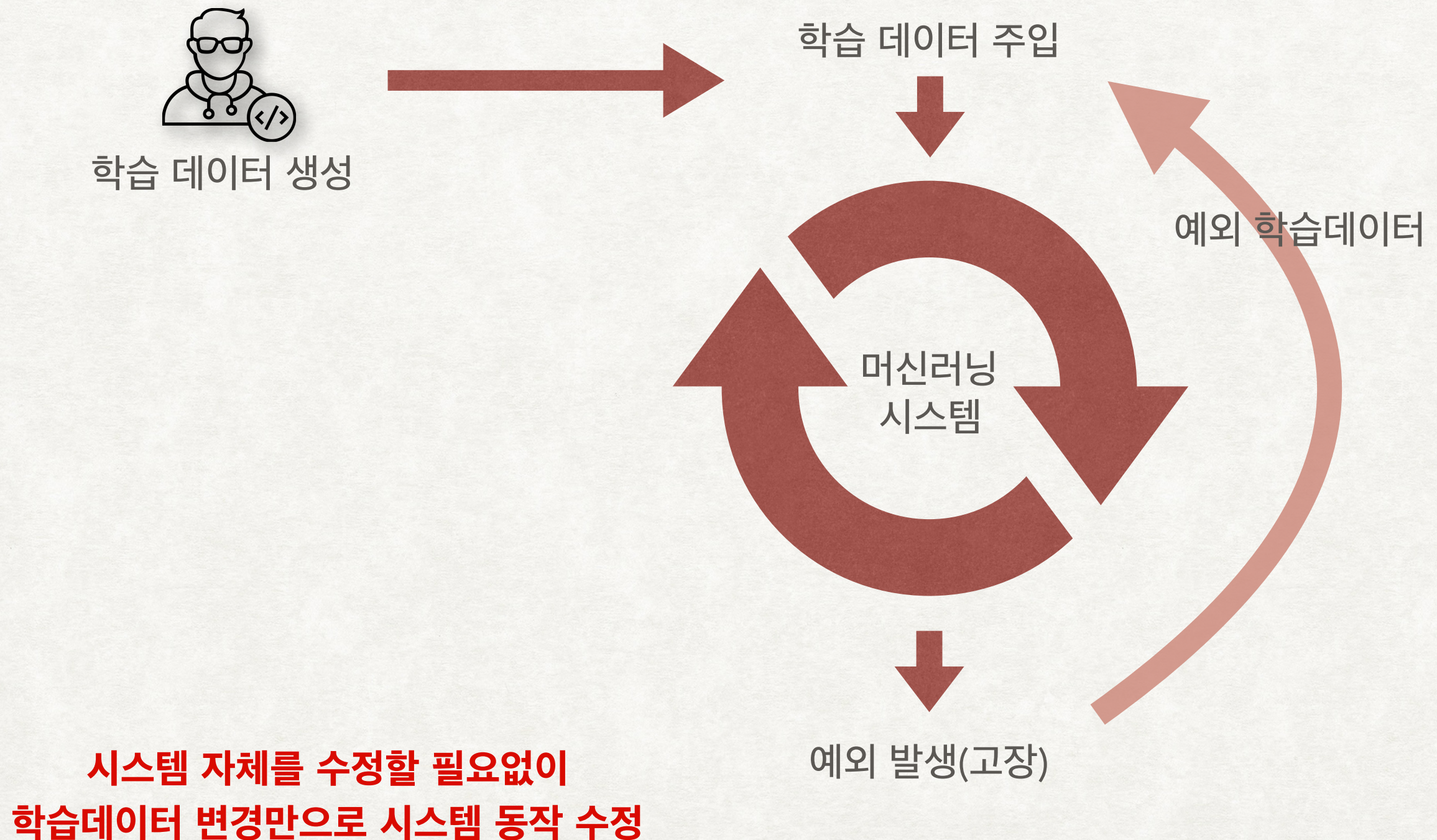
딥러닝

소프트웨어 개발



예외가 발생할 때마다 소프트웨어 엔지니어가 전체 설정을 재조정한 후 시스템에 반영

소프트웨어 개발 패러다임의 변화



딥러닝?



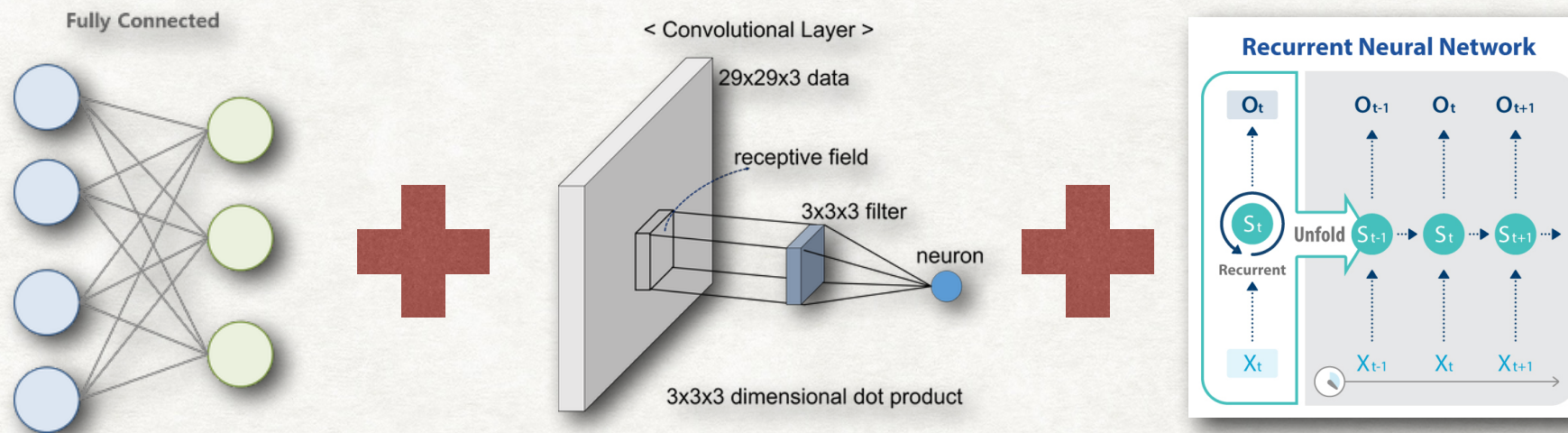
딥러닝이란?

머신러닝 시스템을 만들기 위한 기술

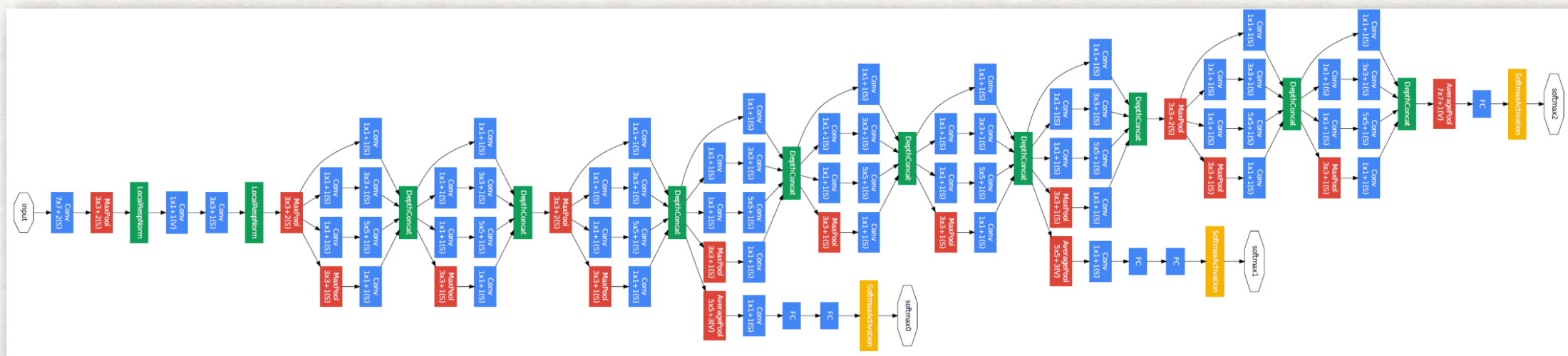
딥러닝으로 만들어진 머신러닝 시스템

딥러닝 아키텍처(Deep Architecture)

딥러닝 아키텍처

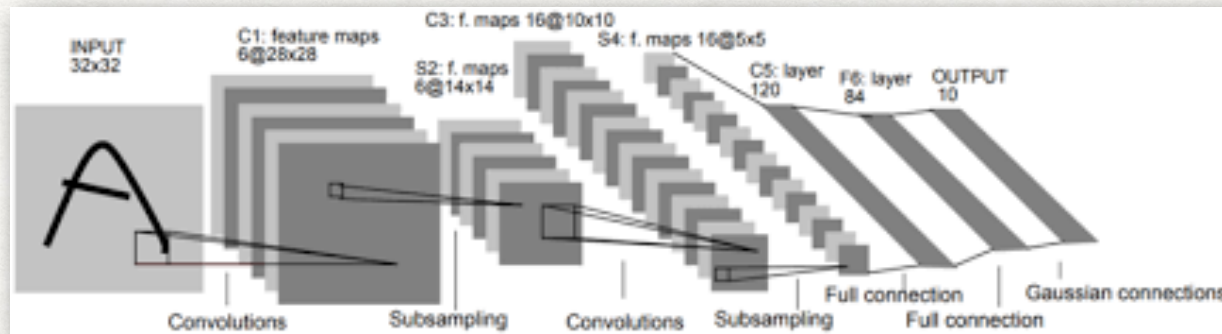


아키텍처 기본요소들 (FCN, CNN, RNN)

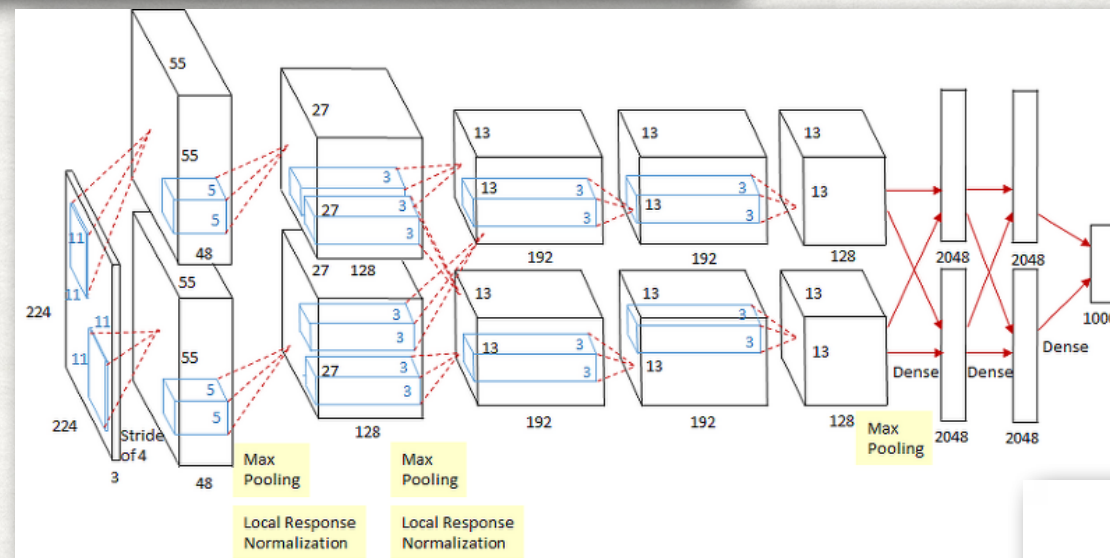


딥러닝 아키텍처 (GoogLeNet)

딥러닝 아키텍처

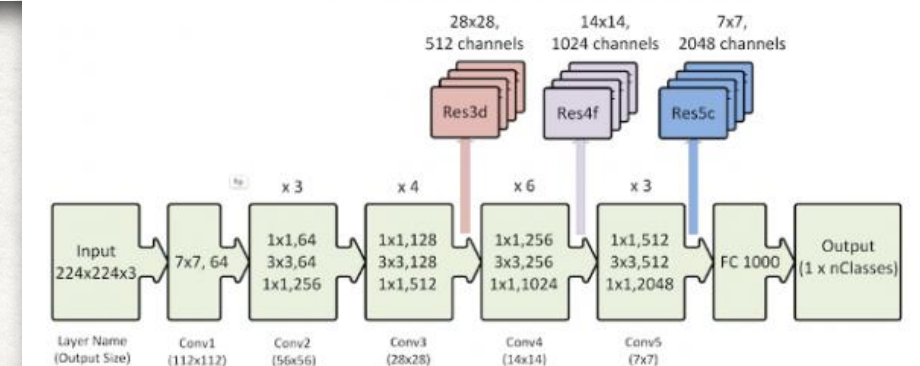


LeNet(1998)



AlexNet(2012)

ResNet(2015)



딥러닝 아키텍처



AlphaGo

AlphaGo(2016~)

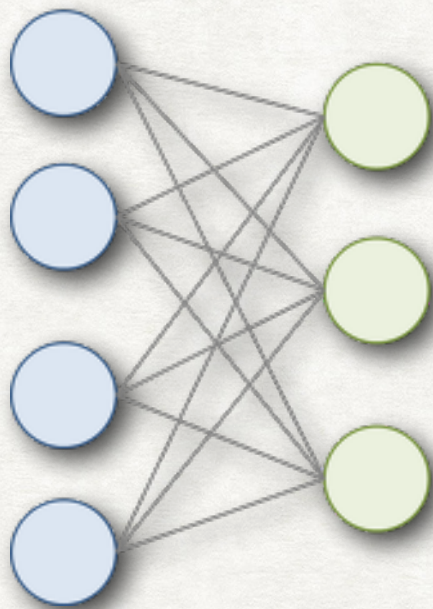


HANDOL

NHN 한돌(2017~)

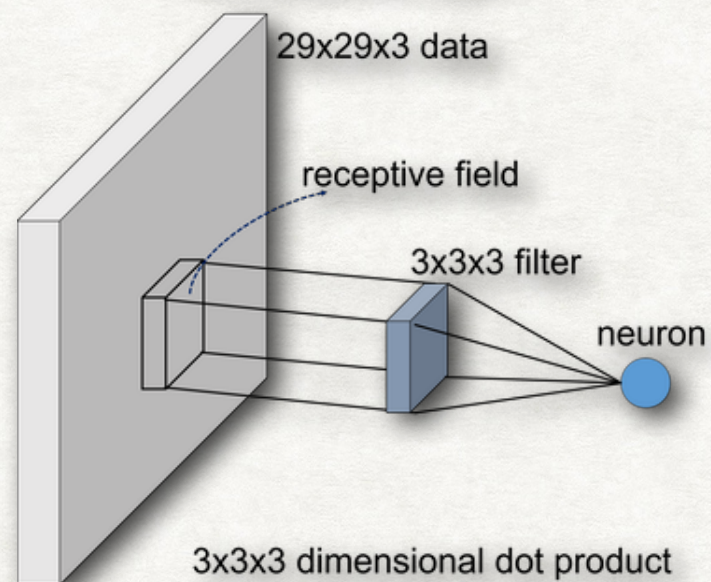
아키텍처 기본요소

Fully Connected



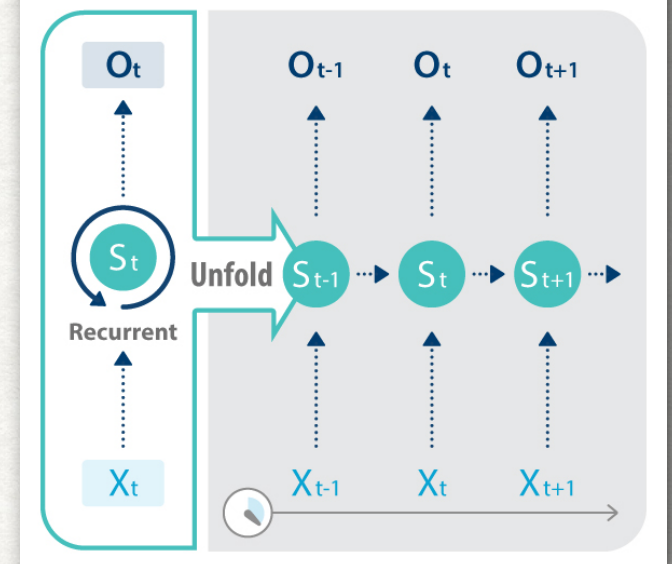
완전 연결 신경망

< Convolutional Layer >



합성곱 신경망

Recurrent Neural Network



순환 신경망