Human Brain VS Computer

Motivation







- Human mind Computer
- Good at image recognition, pattern recognition etc
- Good at arithmetic calculations





 $2574304 \times e^{354} \div \tan 5.1\pi$

Handwriting recognition

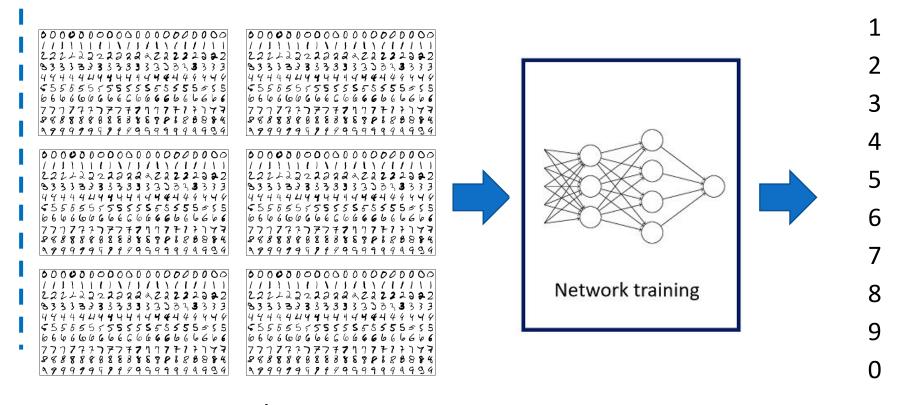
Making precise rules is difficult

222422222222222222 444444444444 6 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

Neural Networks

Neural Networks creates own complex pattern recognition rules

Basic terminology



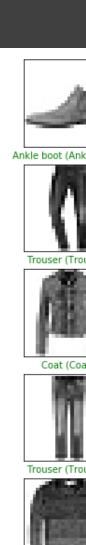
Training data

Future Prediction

Dataset

Fashion MNIST

We will classify images into 10 fashion items





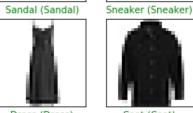
Sandal (Sandal)

Pullover (Pullover)



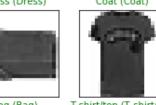


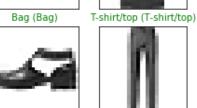
Trouser (Trouser)

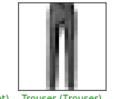












Sandal (Sandal) Sneaker (Sneaker) Ankle boot (Ankle boot) Trouser (Trouser)

Sneaker (Sneaker)

Course Flow



