

Human Brain VS Computer

Motivation



Human mind
Computer

- Good at image recognition, pattern recognition etc
- Good at arithmetic calculations

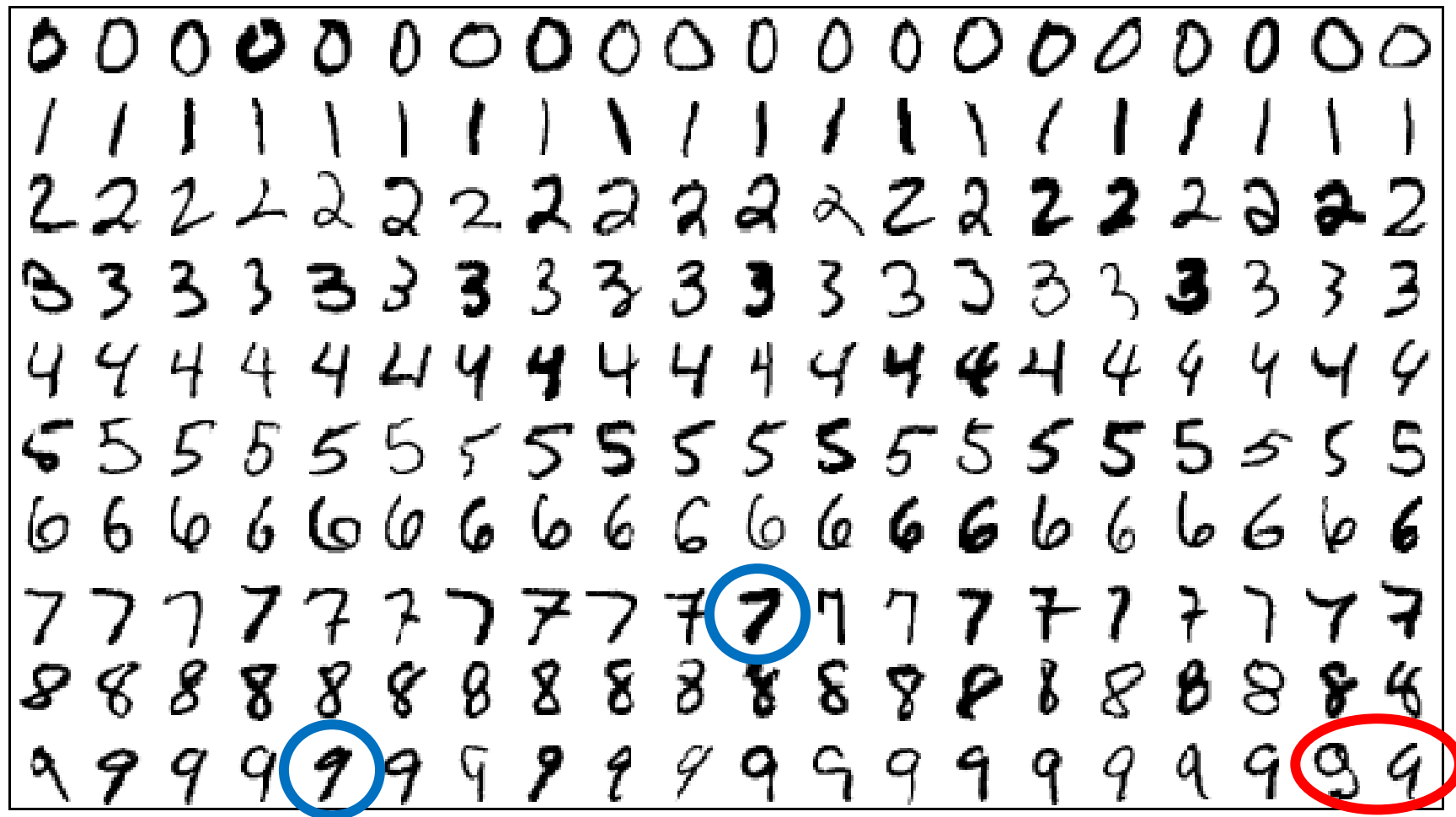


$$2574304 \times e^{354} \div \tan 5.1\pi$$



Handwriting recognition

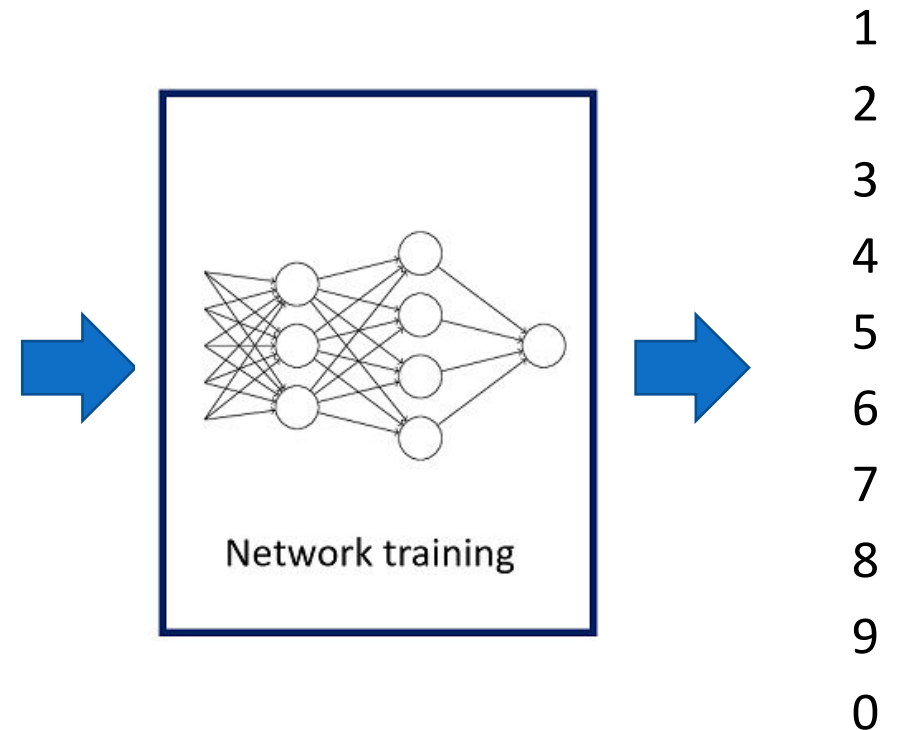
Making precise
rules is difficult



Neural Networks

Neural Networks creates own complex pattern recognition rules

Basic terminology

[illegible][illegible][illegible][illegible][illegible][illegible]

Training data

Future Prediction



Dataset

Fashion MNIST

We will classify images into 10 fashion items



Course Flow

Course Flow

