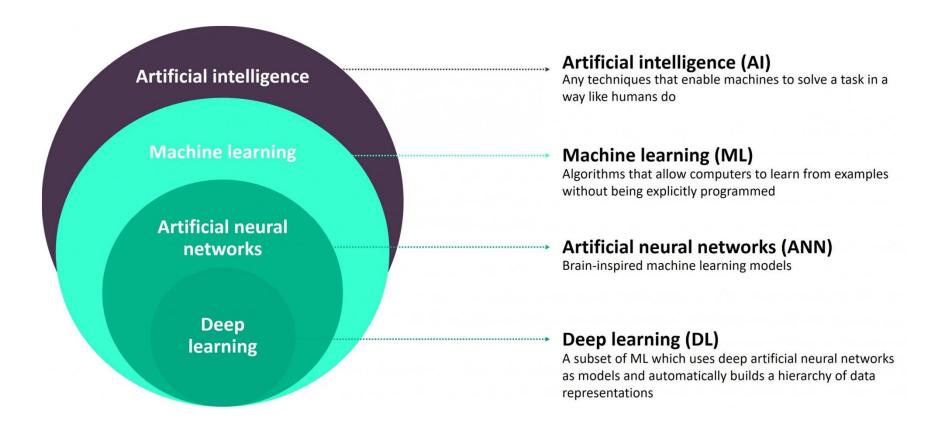
A POINT OF VIEW ABOUT A.I

CONTENTS

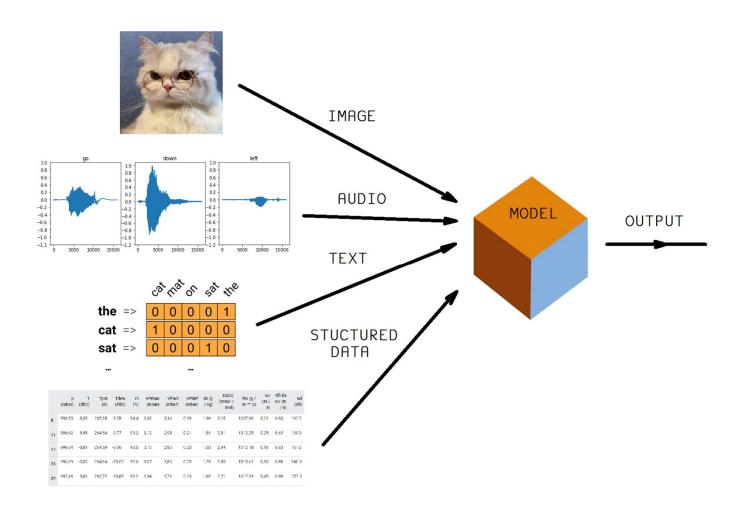
1.BIG PICTURE
2.MACHINE LEARNING
3.DEEP LEARNING
4.TIMELINE
5.ASIA & VIETNAM

1.BIG PICTURE



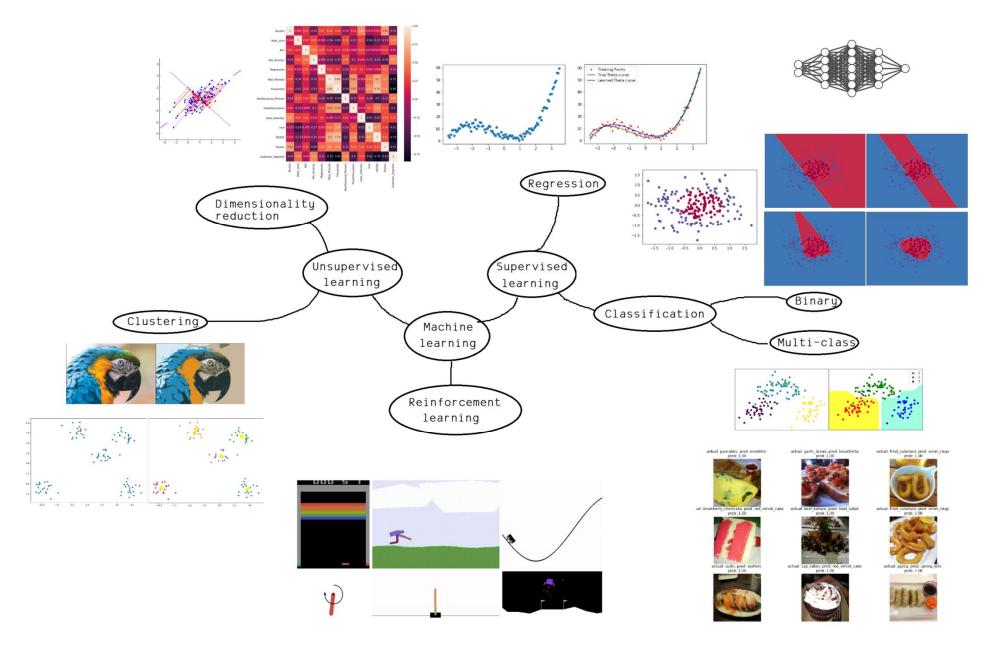
https://blog.forumias.com/understanding-artificial-neural-networks/

2.ML - KIND OF INFOMATION



https://www.tensorflow.org/tutorials

2.MACHINE LEARNING (ML) - OVERVIEW



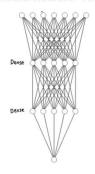
2.ML - TOOLS & PLATFORMS

Language Executor Environment Framework Hardware Kaggle KKeras Language Executor Environment Framework Hardware CONDA Kaggle KKeras Leave Caffe Seaborn matpletlib

3.DEEP LEARNING



W.McCullough W.Pitts Neural Network - 1944





Hinton



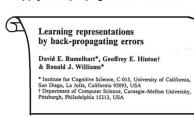
Rumelhart



Williams

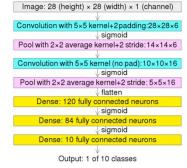
VVIIII

Apply Backpropagation in NN -1986





Yann LeCun LeNet - 1989





Alex Krizhevsky AlexNet -2012



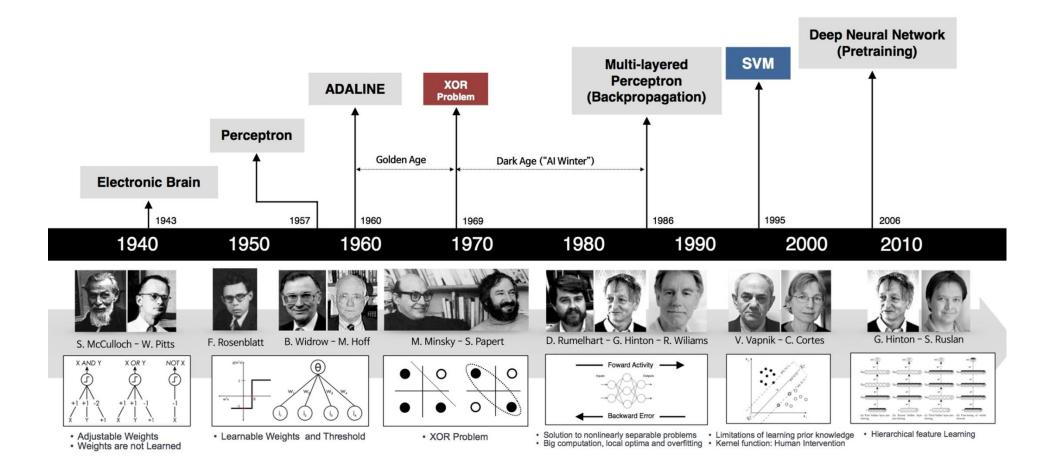




K. Simonyan A.Zisserman VGG16 - 2014

```
Image (224x224x3)
Convolution 3x3: 224x224x64
 Convolution 3x3: 224x224x64
  Pool /2: 112x112x64
 Convolution 3x3: 112x112x128
 Convolution 3x3: 112x112x128
   Pool /2 : 56x56x128
Convolution 3x3: 56x56x256
 Convolution 3x3: 56x56x256
Convolution 3x3: 56x56x256
  Pool /2: 28x28x256
 Convolution 3x3: 28x28x512
Convolution 3x3: 28x28x512
Convolution 3x3: 28x28x512
  Pool /2: 14x14x512
Convolution 3x3: 14x14x512
Convolution 3x3: 14x14x512
Convolution 3x3: 14x14x512
    Pool /2 : 7x7x512
      Dense 4096
       Dense: 4096
       Dense: 4096
```

4.TIMELINE



5.ASIA & VIETNAM



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Quoc Le Google scholar: https://scholar.google.com/citations?user=vfT6-XIAAAAJ&hl=vi