

# Introduction to Transfer Learning

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- Different ways of learning
- What is Transfer Learning?
- How transfer learning is helping to learn?
- What is Pre-trained network and how to select right one?
- Implement Transfer Learning to solve Emergency Vs Non Emergency

Vehicle classification challenge

- Advantage of Transfer Learning

# Different ways to achieve knowledge in the real world



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Analytics  
Vidhya

# Different ways to achieve knowledge in the real world



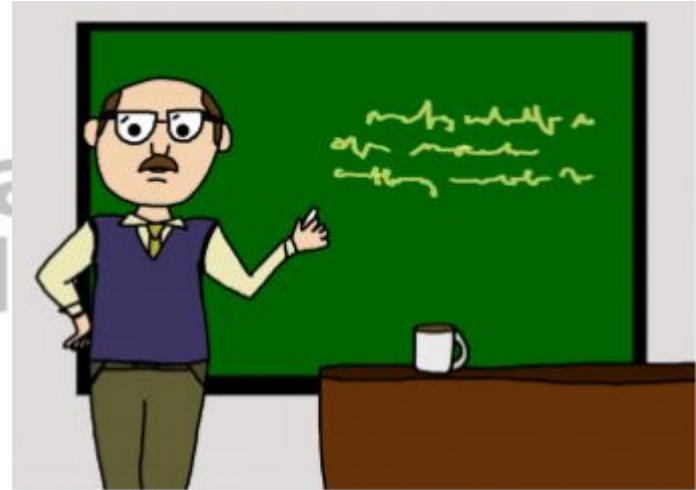
Analytics  
Vidhya

Learning from Scratch

# Different ways to achieve knowledge in the real world



Ana  
Vid

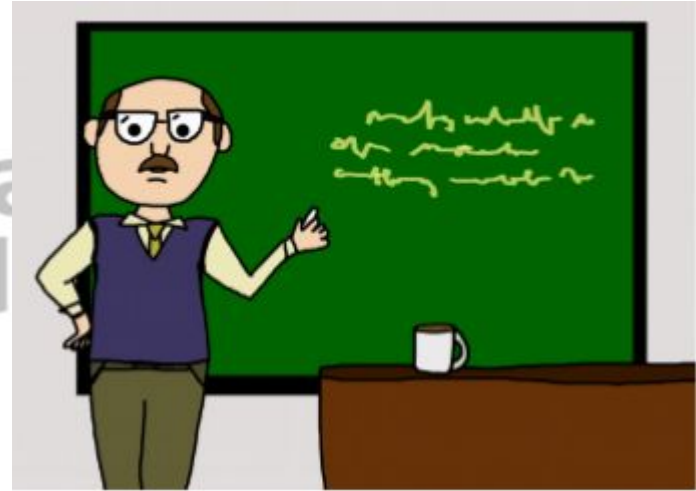


Learning from Scratch

# Different ways to achieve knowledge in the real world



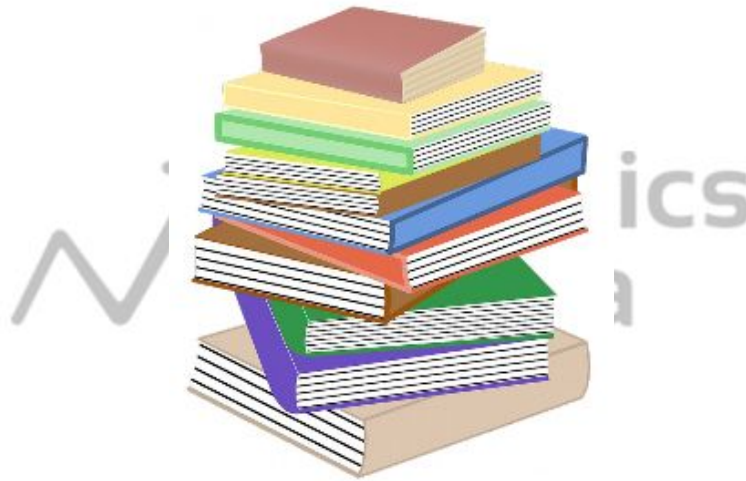
Ana  
Vid



Learning from Scratch

Transfer Learning

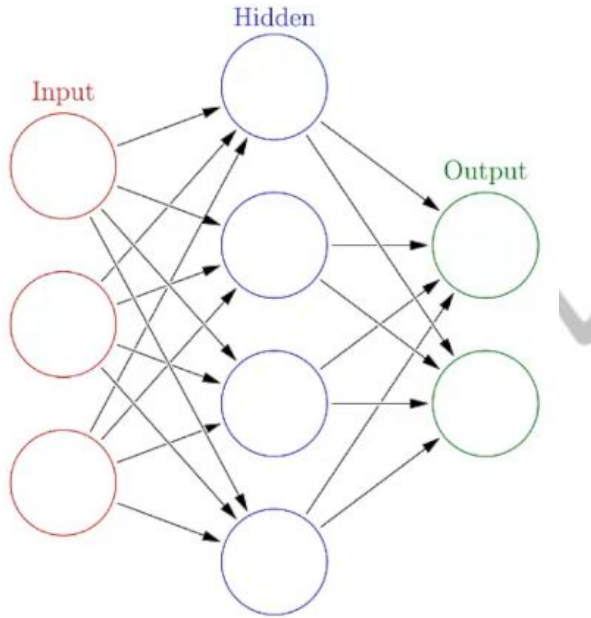
# Learning from Scratch



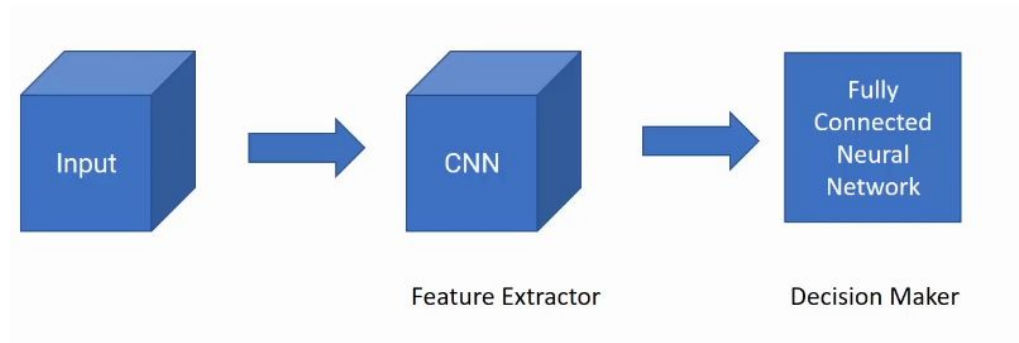
Learning from Scratch



# Neural Networks and Convolutional Neural Networks



Neural Network



Convolutional Neural Network

# How NN extracts features?

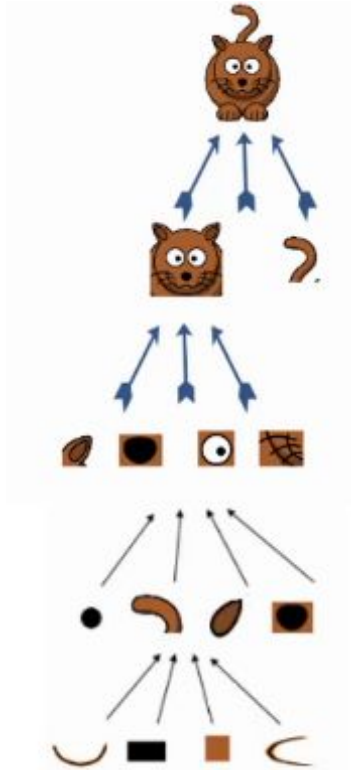


Image feature

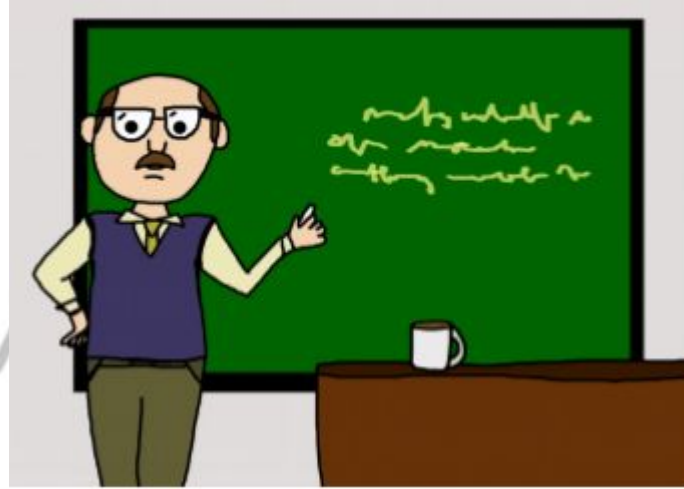
High Dimensional  
Features

Shapes

Edges

Low Dimensional  
Features

# Learning from Experts



Learning from Experts