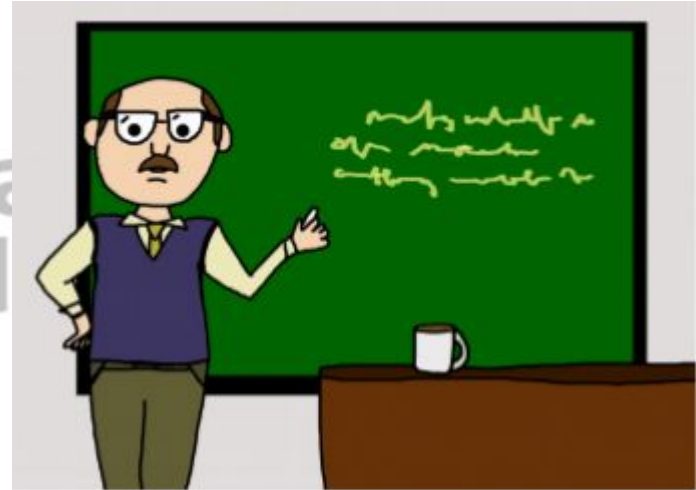


Introduction to Transfer Learning

Different ways to achieve knowledge in the real world



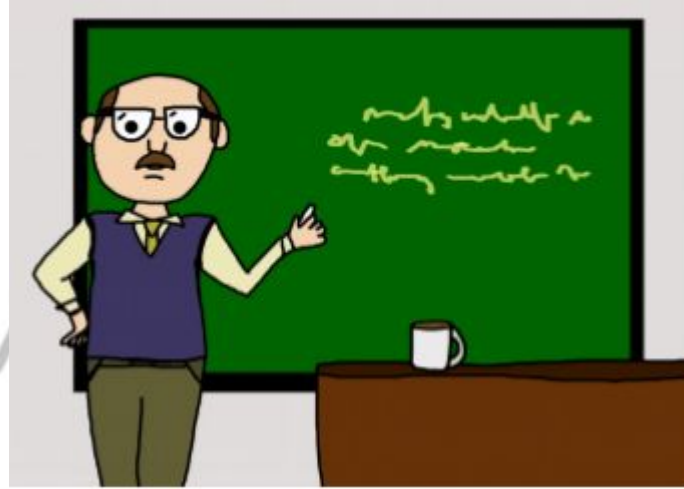
Ana
Vid



Learning from Scratch

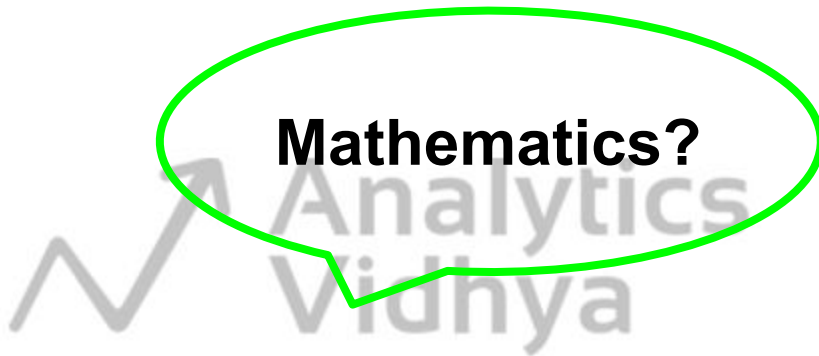
Learning from Experts

Learning from Experts (Transfer Learning)



How to choose the right expert?

Mathematics?



How to choose the right expert?

Chemistry



How to choose the right expert?

Chemistry

Physics

 Analytics
Vidhya

How to choose the right expert?

Chemistry

Physics

Mathematics

 Analytics
Vidhya

How to choose the right expert?

Chemistry

Physics

Mathematics

Biology

 Analytics
Vidhya

How to choose the right expert?

Chemistry

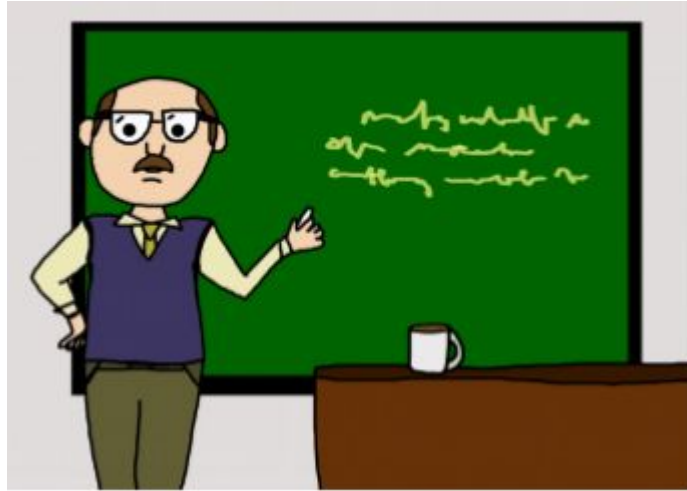
Physics

Mathematics

Biology

What is Transfer Learning?

Pre-trained models



Pre-trained model

Pre-trained models

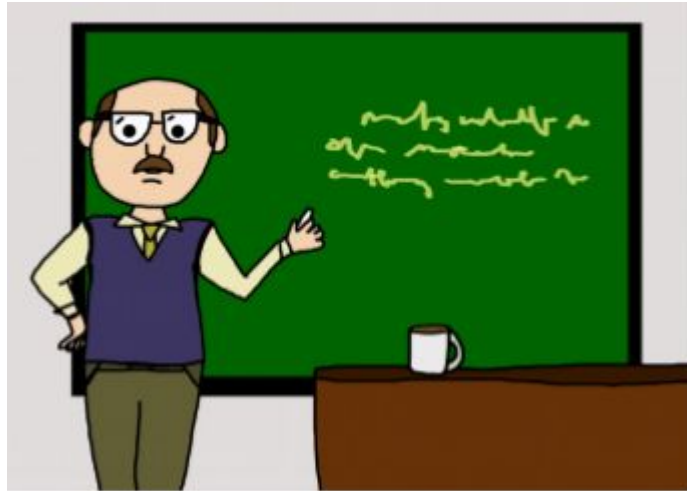
BERT

**VGG16 trained
on ImageNet**

ULMFiT

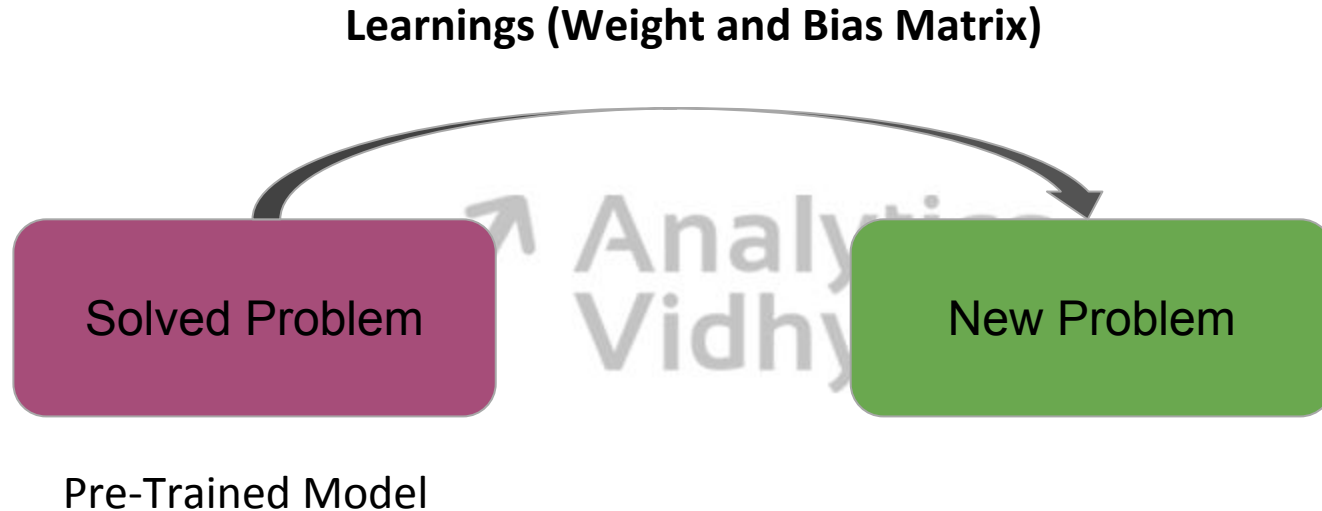
**VGG16 trained
on MNIST**

Pre-trained models



Pre-trained model

Technical definition of Transfer Learning



Pre-trained models

BERT

**VGG16 trained
on ImageNet**

ULMFiT

**VGG16 trained
on MNIST**