

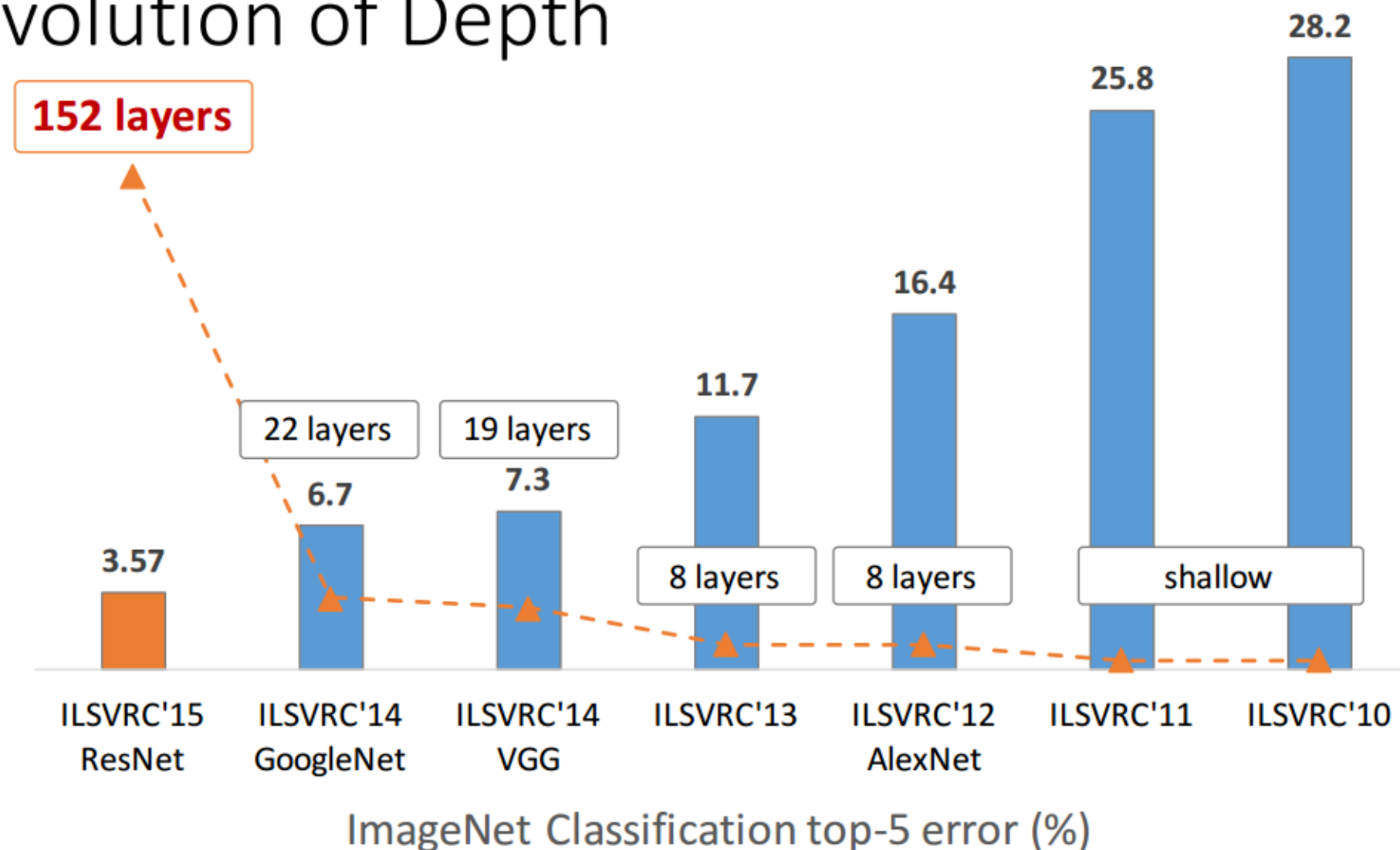
CNN Basic

Co-Deep Learning Study

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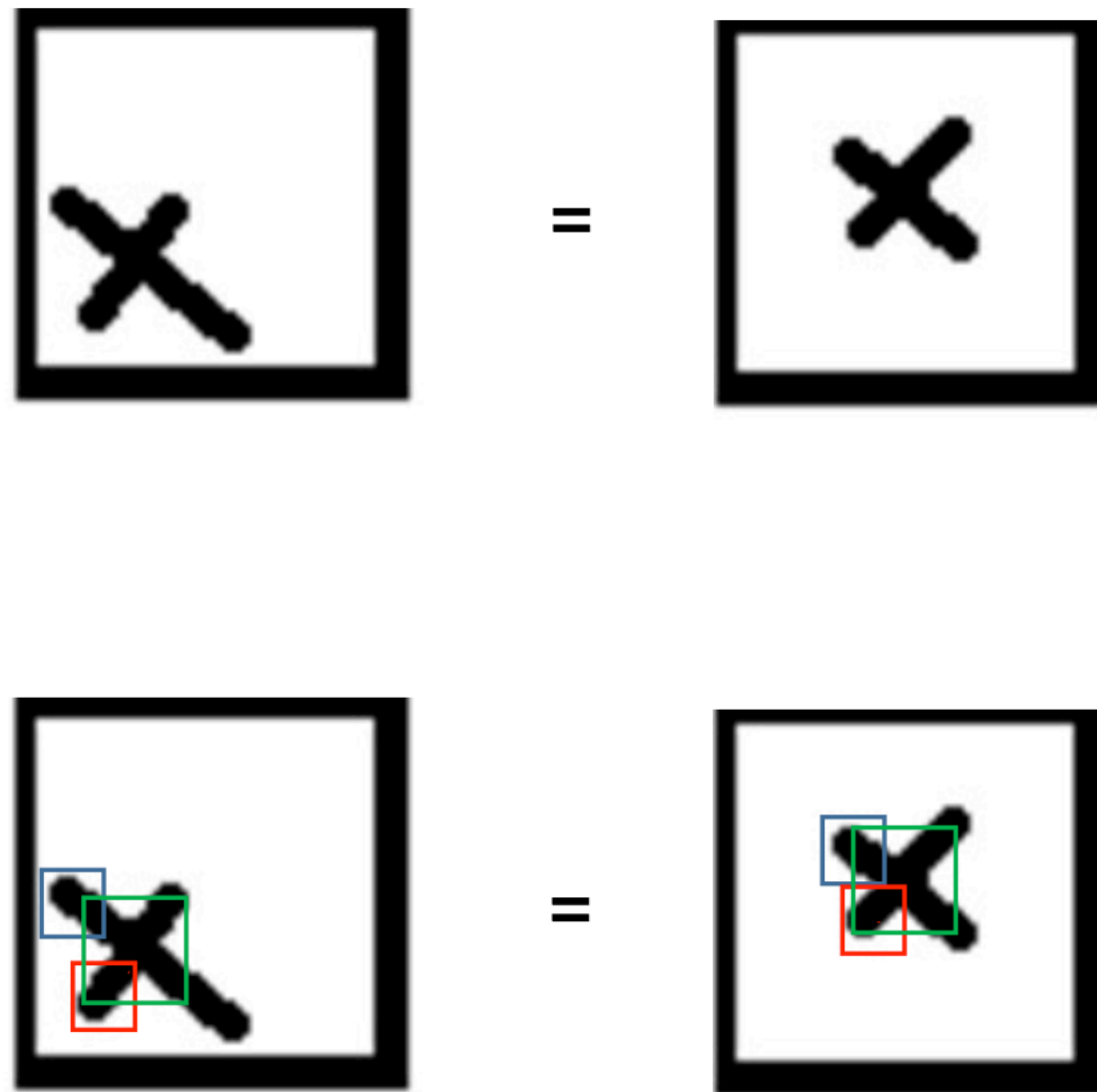
Classification Performance of Network

Revolution of Depth



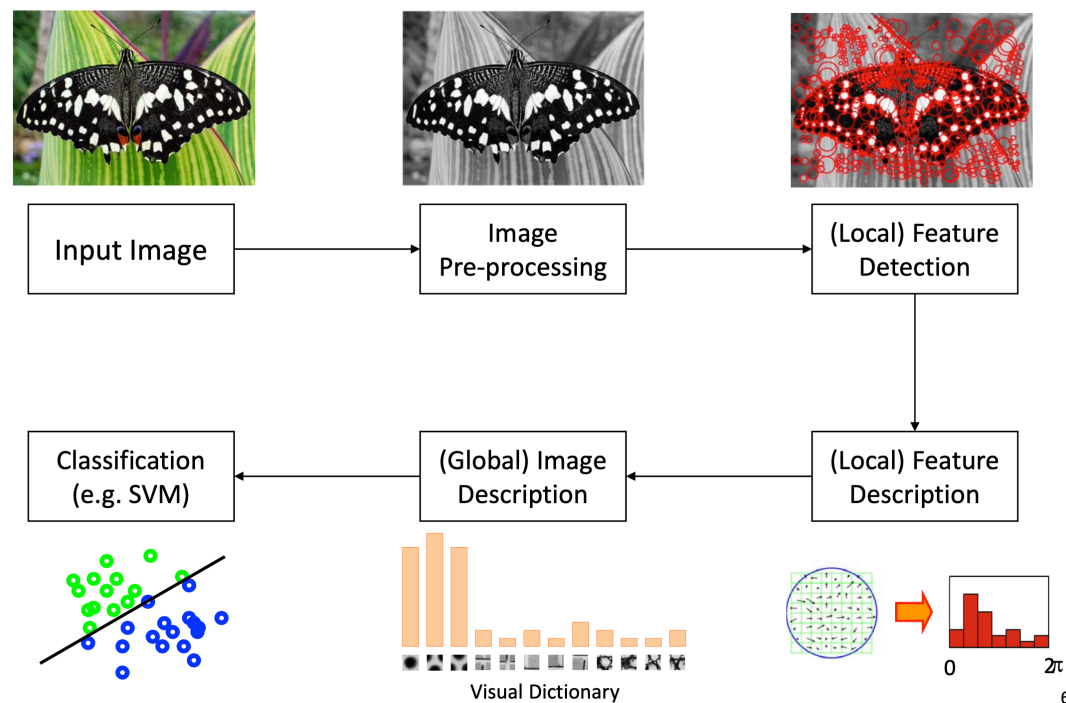
Introduction

What is convolution Filter? CNN?



Introduction

Image Classification Problem



Classic Way of Image Classification

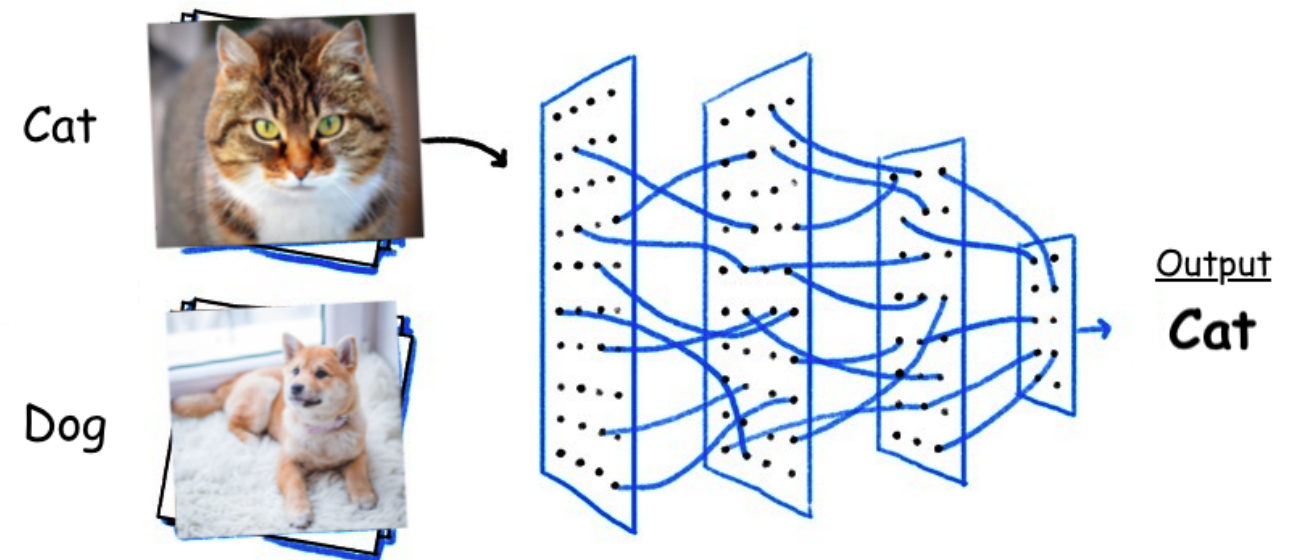
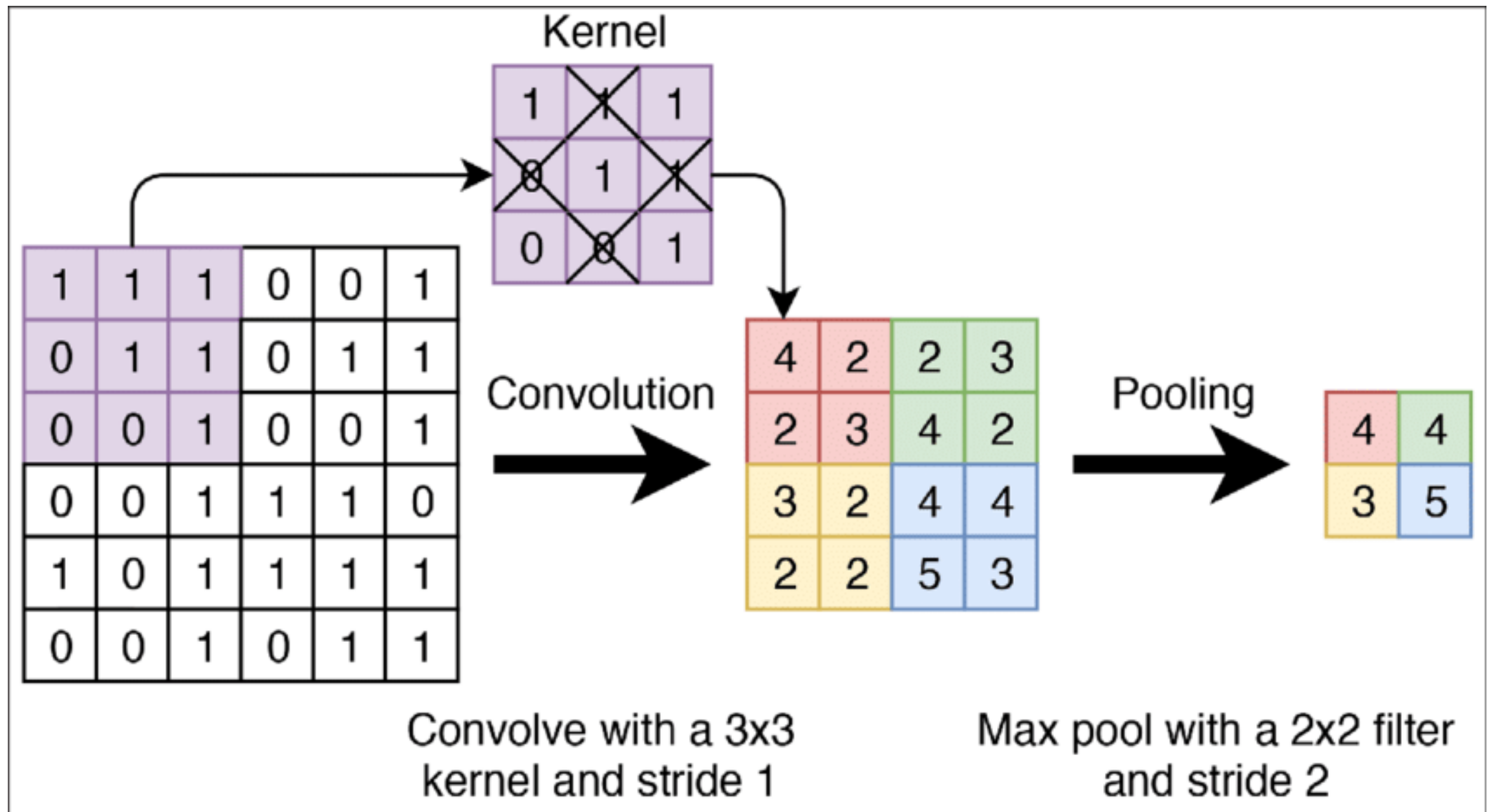


Image Classification With Deep Learning

Introduction

What is convolution Filter? CNN?



Introduction

What is Padding?

Image

0	0	0	0	0	0	0
0						0
0						0
0						0
0						0
0						0
0	0	0	0	0	0	0

Introduction

1 _{x1}	1 _{x0}	1 _{x1}	0	0
0 _{x0}	1 _{x1}	1 _{x0}	1	0
0 _{x1}	0 _{x0}	1 _{x1}	1	1
0	0	1	1	0
0	1	1	0	0

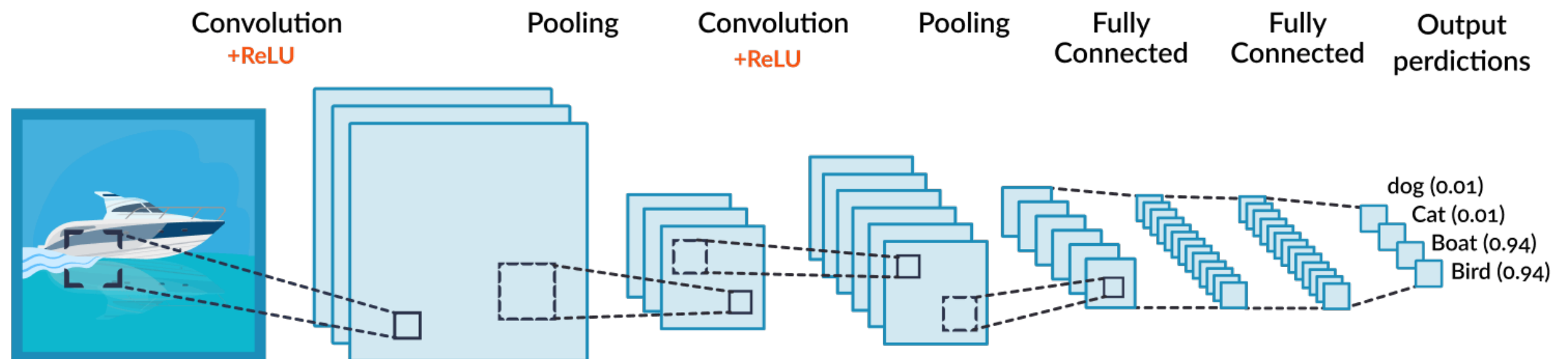
Image

4		

Convolved
Feature

Introduction

What is convolution Filter? CNN?



Introduction

What is ImageNet?

Imagenet:

Dataset used for ILSVRC Challenge.

1000 kind of classes, 1,281,167 images are in this dataset

7.8% Error rate