File Name: T-ICML-O_6_I1_summary

Format: Presenter in Studio

Presenter: Alex Hanna

Introduction

Linear and DNN models

Convolutional neural networks

Dealing with Data Scarcity

Going Deeper Faster

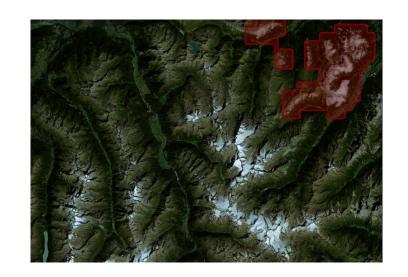
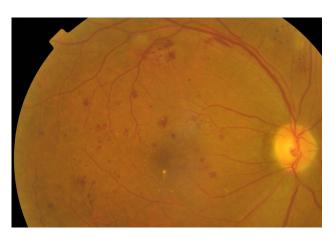




Image classification automates tasks that are easy (and not easy) for humans





Introduction

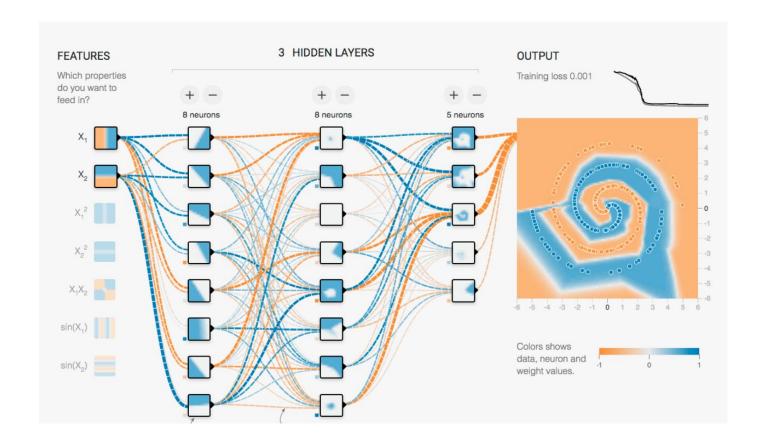
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Why not have a really large DNN?



- 1. Computational power
- 2. Training time
- 3. Likely to overfit

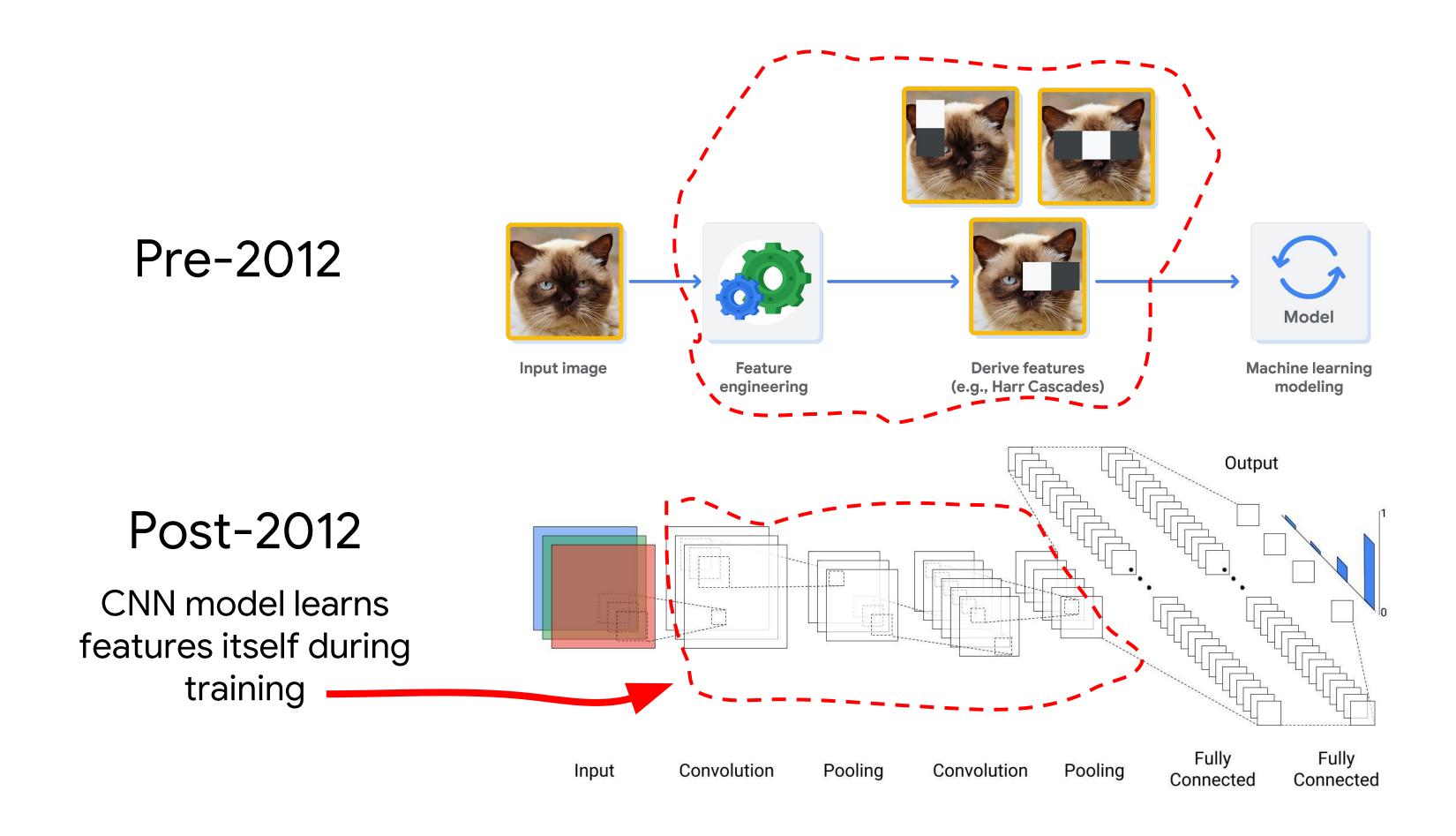
Introduction

Linear and DNN models

Convolutional neural networks

Dealing with Data Scarcity

Going Deeper Faster



Introduction

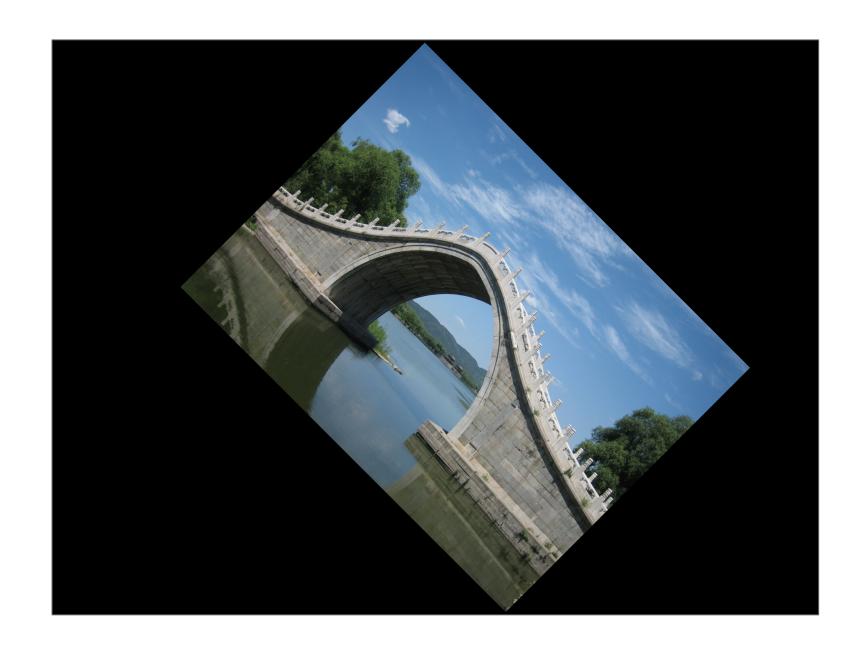
Linear and DNN models

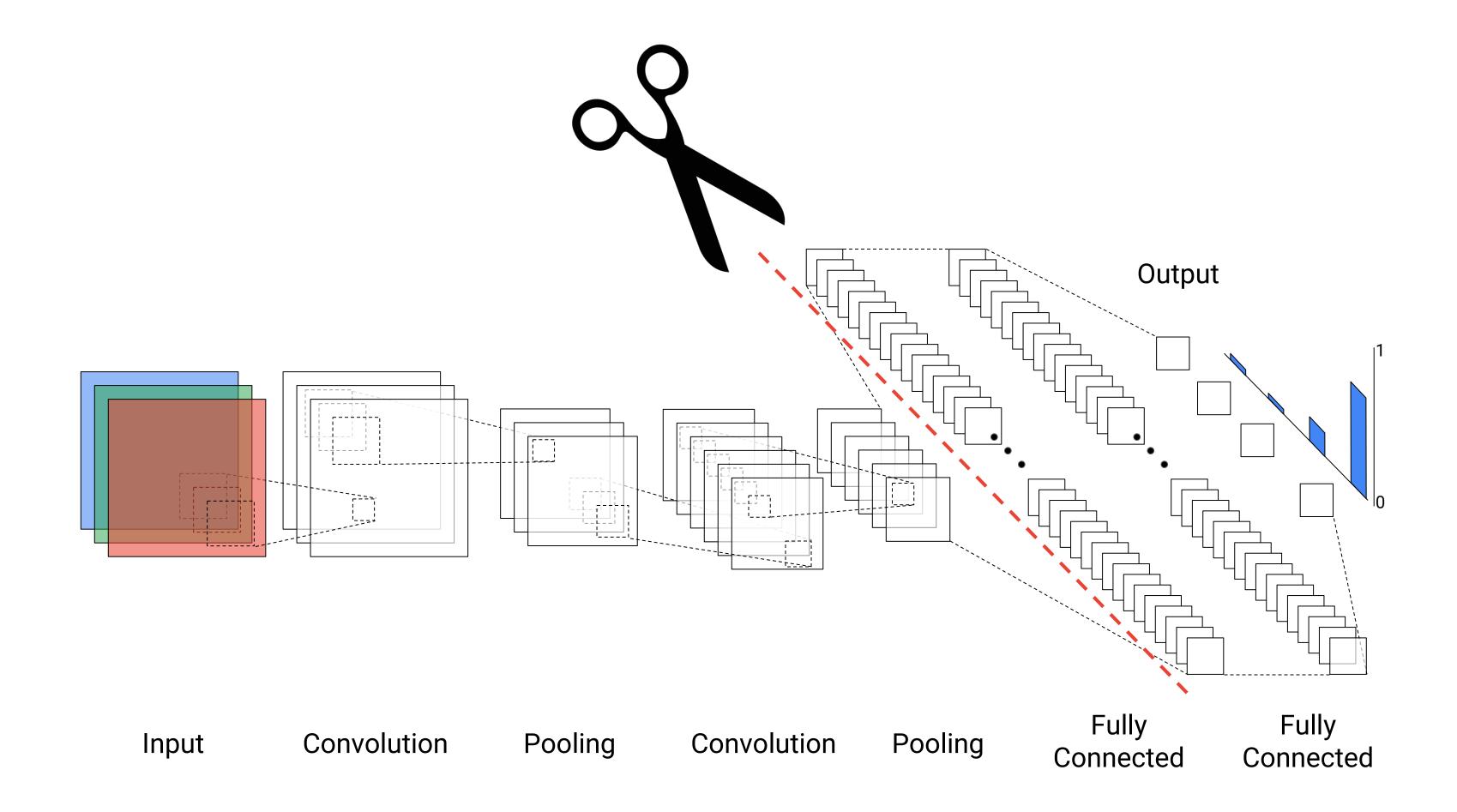
Convolutional neural networks

Dealing with Data Scarcity

Going Deeper Faster

Common image augmentation techniques





Introduction

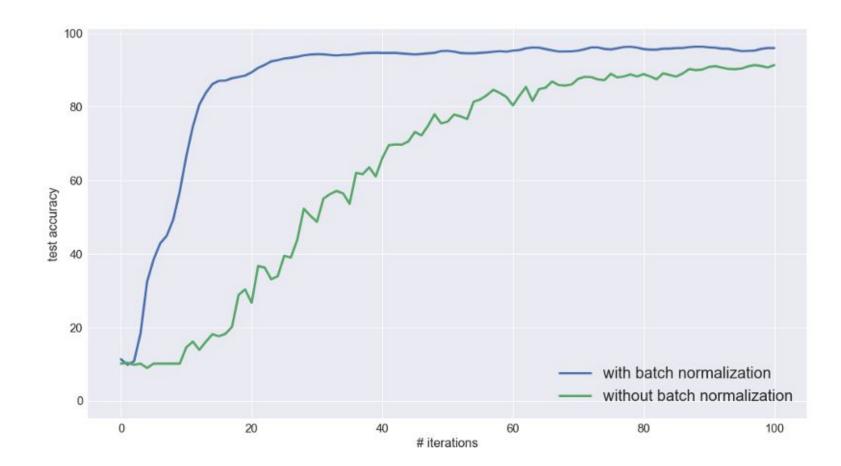
Linear and DNN models

Convolutional neural networks

Dealing with Data Scarcity

Going Deeper Faster

Batch normalization helps you train faster



Introduction

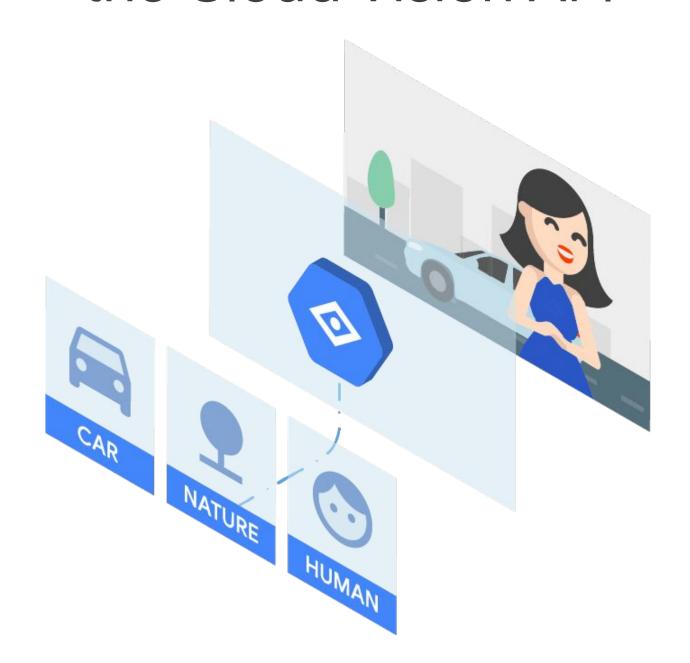
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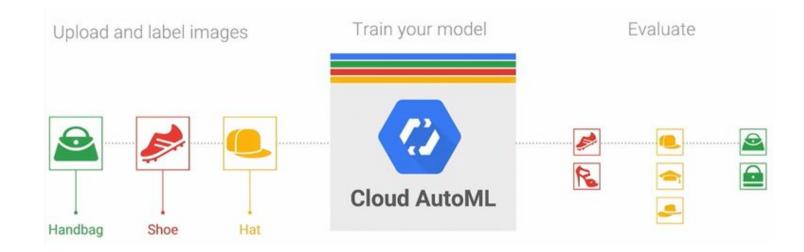
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Image Recognition with the Cloud Vision API



AutoML is like codeless transfer learning



Specialization

End-to-End Lab on Structured Data

Production ML Systems

Image Classification Models

Sequence Models

Recommendation Systems