ADC
Applaudo
Developers
Conference
2020

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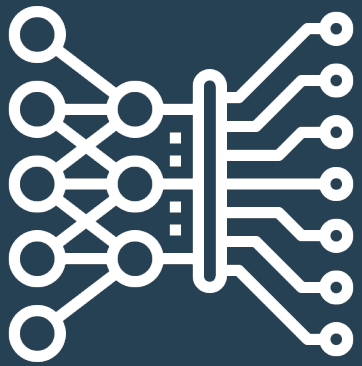
Getting Started with CoreML

Are you ready to start making your apps more powerful by implementing Machine Learning models?

Agenda

1. Introduction
2. What is CoreML?
3. Code Sample



ML

Is the study of computer algorithms that improve automatically through experience. Is an application of the AI in which a computer can learn from data.

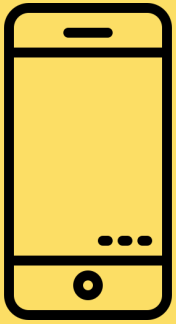
"The field of study that gives computers the ability to learn without being explicitly programmed."

– Arthur Samuel

CoreML

An Apple's framework to integrate machine learning models into your applications

Runs
On-Device



Manage
Performance

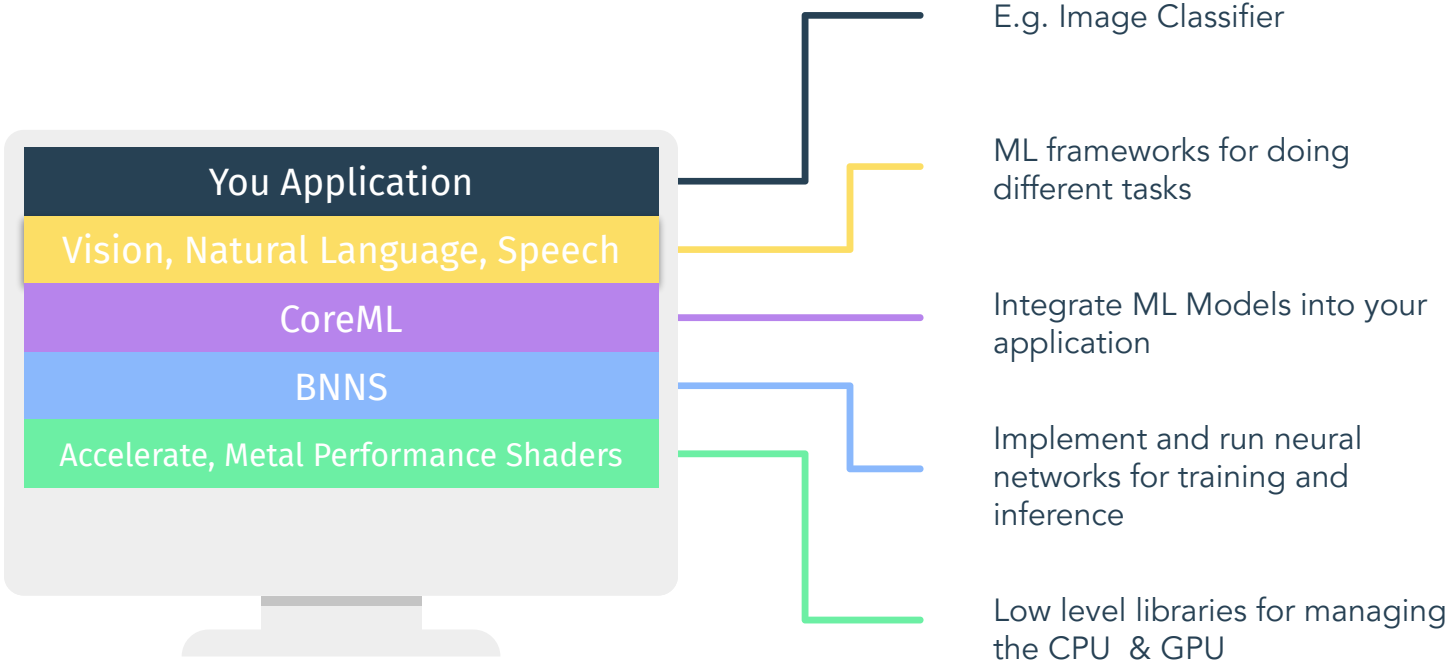
Don’t need to be
an expert on ML

- Inference takes place on server
- Easiest as sending an HTTP Request
- Don’t care about servers maintenance

- Reduce latency
- Doesn’t expose user’s data
- Great for real time inference

Cloud Computing vs Edge Computing

CoreML Performance Management



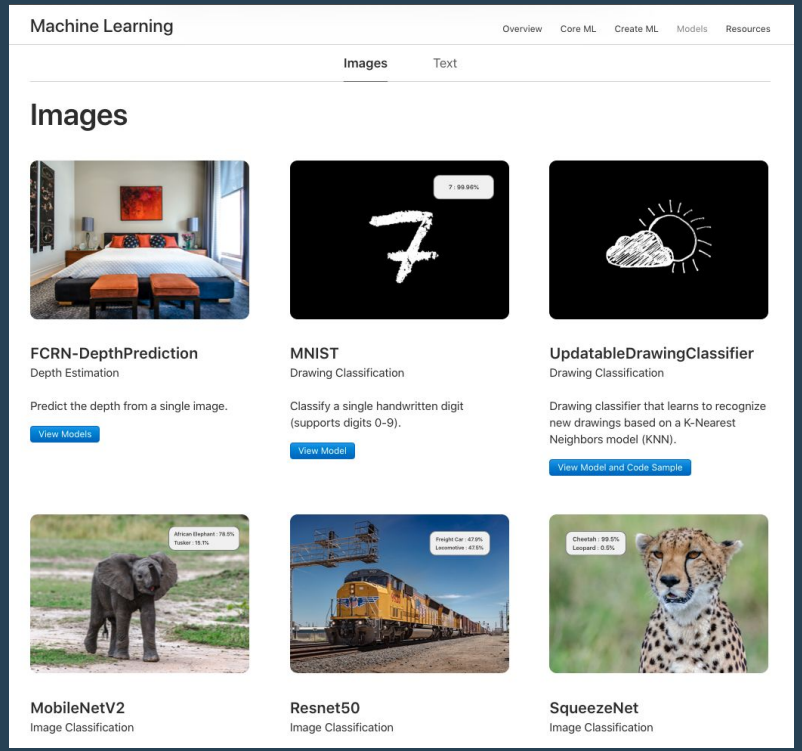
Integrating an ML Model into your App

1
Ready-to-use models

2
Converting an existing model

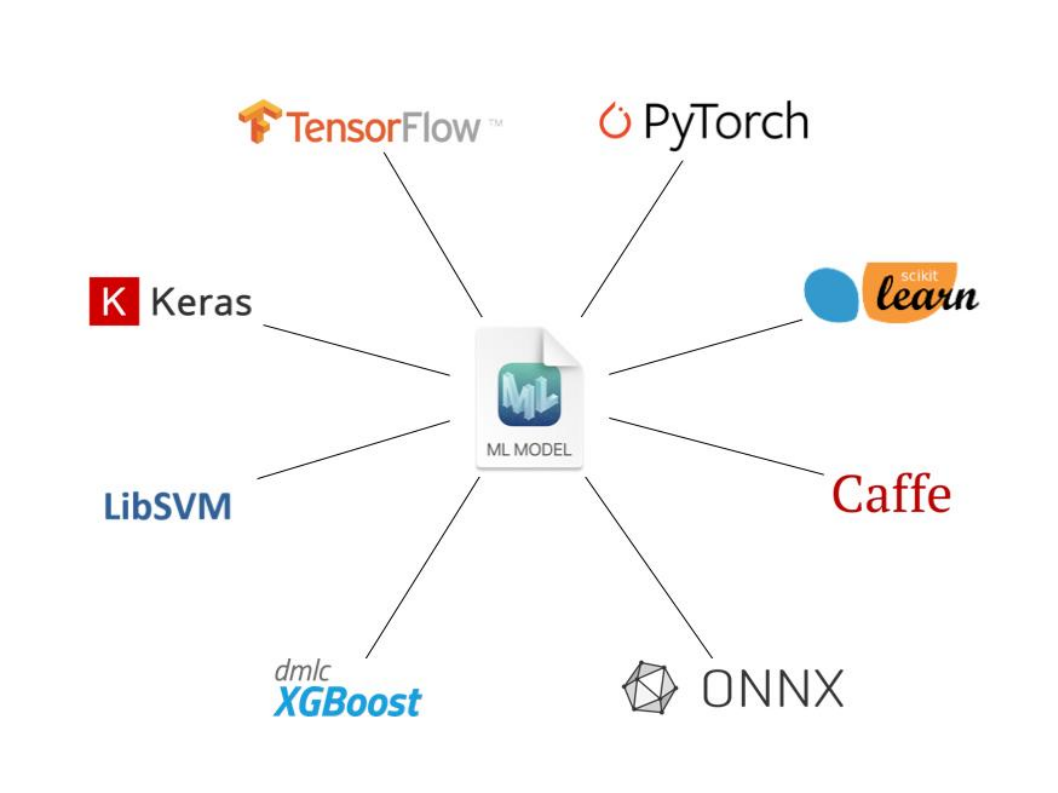
3
Train your own model

Ready-To-Use Models

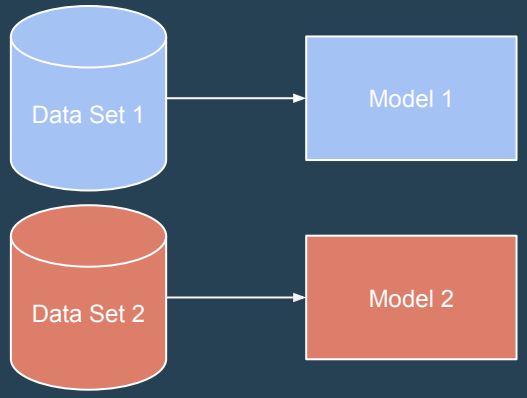


Apple Developer

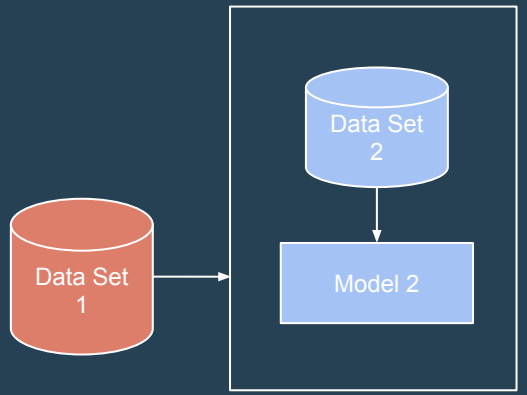
Convert an Existing Model



Train Your Model



Machine Learning

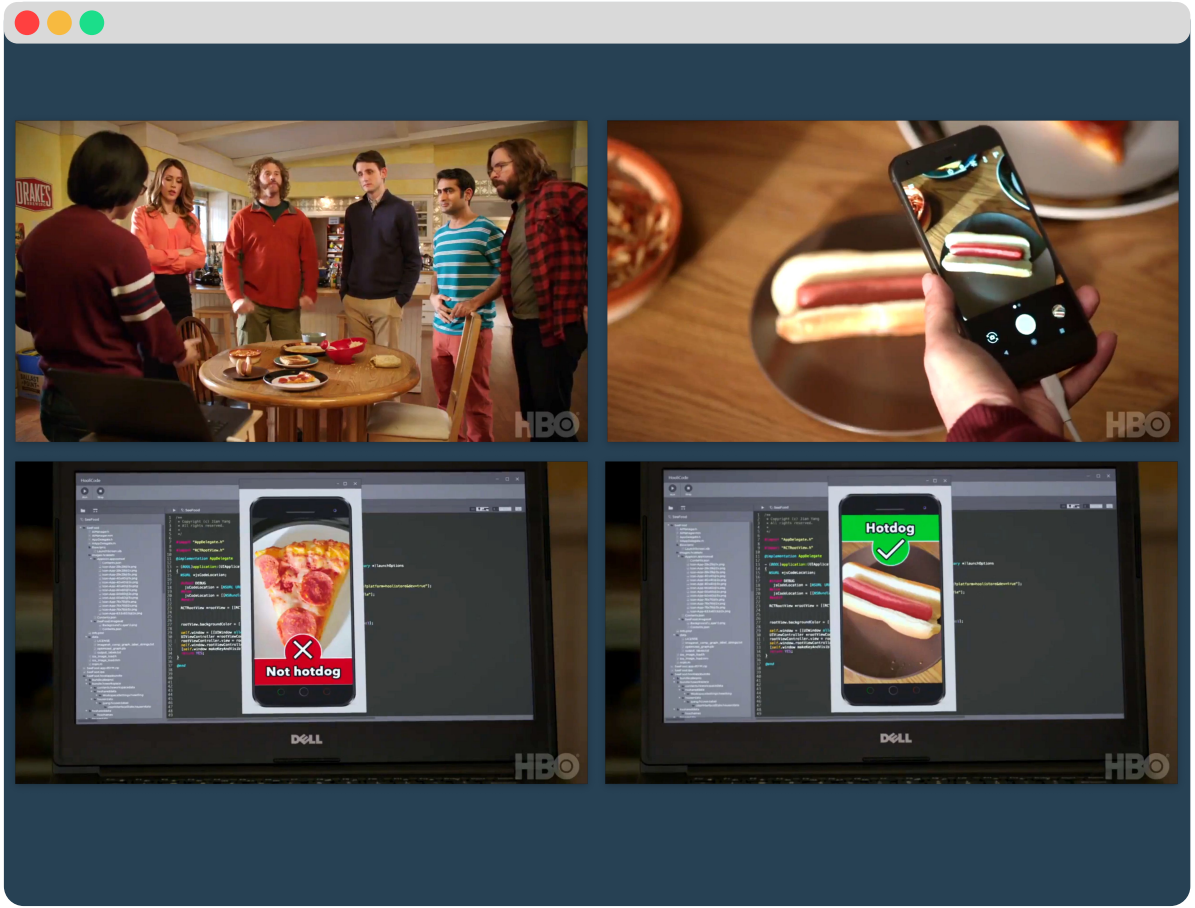


Transfer Learning

Transfer Learning

- Smaller data set
- Adjust the expected output to a Pre-Trained Model
- Reduce training time
- Is cheaper for the CPU

CODE SAMPLE



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