# Introductory Slides

MACHINE
LEARNING
ML
AI
ARTIFICIAL INTELLIGENCE
TECHNOLOGY
TOOLS
COMMUNICATION
DECISIONS
SCIENCE
APPLICATIONS
Algorithms
INTELLIGENCE
Patterns
Robotics
Programmed
PREDICTIONS
Inference
PROCESS
FUTURE

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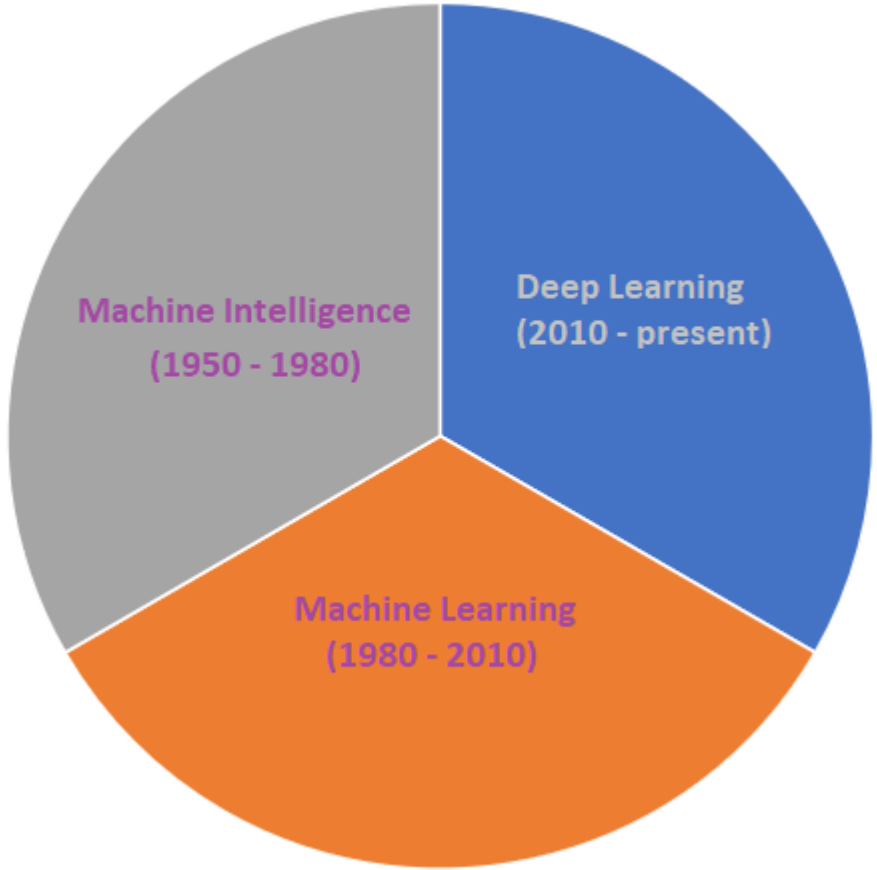
Deep Learning
KNOWLEDGE
EXPERIMENT


Machine Intelligence
(1950 - 1980)
Deep Learning
(2010 - present)
Machine Learning
(1980 - 2010)

Chainer
mxnet
Caffe2
ML
CoreML
Microsoft
CNTK
TensorFlow
K
Keras
GLUON
PYTORCH
theano
django
APACHE
Spark
Flink
APACHE
STORM
Distributed • Resilient • Real-time
scikit
learn
APACHE
kafka
A distributed streaming platform
ONNX
hadoop
Flask
web development,
one drop at a time

## In this course, we will learn

- Fundaments of deep learning,
- Tensorflow programming
- Implementation of basic Neural Network models using Tensorflow python programming library.

**At the end of this course, you will know**

- What is neural network?
- What is Multi-layer perceptron
- How to Learn parameters with loss functions
- Implementation of basic vanilla neural network with Tensorflow,  for various real world applications.