

Machine Learning Primer

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Preliminary Content

Python Tutorial

- PY First Steps
- PY Object Oriented Programming
- PY IO & Streams
- PY Expressions, Functions & Time
- PY Utilities
- PY PyTorch
- PY Acceleration / Functional Programming

Part I: Foundations

- Information Theory
- ML Machine Learning - Linear Classifier
- ML Support Vector Machines - Basics
- ML SVM - Soft Margins & Kernel Trick
- ML Decision Trees
- ML Neural Networks

Part II: Deep Learning

- ML Boltzmann Machines
- ML Deep Architectures
- ML Reinforcement Learning
- ML Generative Architectures

Part III: Advanced Topics

- ML ML Trends / Scaling / Varia
- ML Text Processing / Datasets
- ML Bayesian Inference
- ML Reservoir Computing