Recommended ML References

From Berkeley Coding Academy Director & Founder Corey Wade

The following references are my personal recommendations to students pursuing a study of Machine Learning as of 2022.

Python

1. MITx Python course online - Outstanding introduction to Computer Science in Python. Can usually be taken for free at edx.org (link above for Jan. 2023). Like many, this class jump-started my career in data science.
2. Python Workshop - If you are new to Python, this is a comprehensive reference that includes chapters on introductory **data science**, introductory **machine learning**, and introductory **neural networks** (in 2nd edition coming soon!). (I am co-author.)

Data Analytics

1. Python for Data Analysis - You can learn pandas from the author of pandas in this book.
2. Intro to Data Science Tutorials - Although aimed at teens, these Berkeley Coding Academy videos have great lessons on creating professional graphs. (I am author.)

Machine Learning

1. Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow - Probably my favorite ML book. Nice balance of readable chapters with strong technical parts. **Deep learning** included.
2. Jason Brownlee: Machine Learning Mastery - Great free tutorials online for many ML topics. Reliable. You can also purchase ebooks.
3. Hands-on Gradient Boosting with XGBoost and sckit-learn - Beginner to intermediate text, great second exposure for people new to machine learning. Focus on tree development and optimizing models with XGBoost. (I am author.)

Deep Learning

1. MITx Deep Learning course online - This course taught by graduate students is updated at least once a year. Outstanding lectures. I look forward to finishing them all!
2. ML Foundations by Google - Short lecture series on youtube. Great introductory material.
3. Deep Learning with Python - What better way to learn keras than from the author of kears?