Machine Learning

Lecture 1: Introduction to Machine Learning (ML)

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Course Teacher

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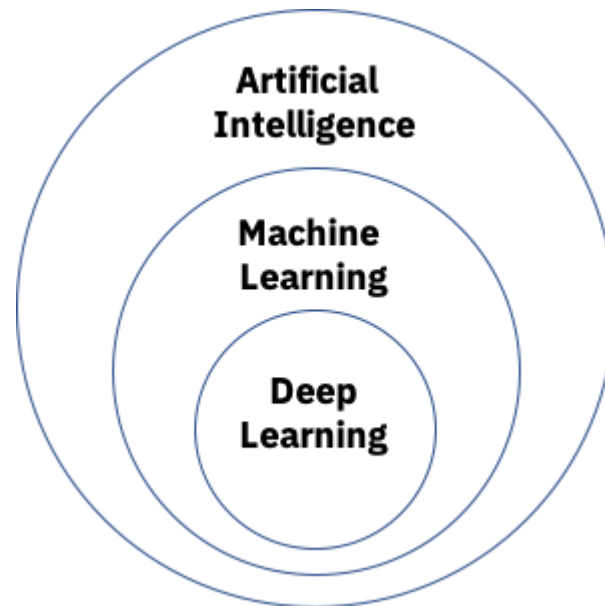
Introduction to Machine Learning (ML)

Tutorial – 0: What is AI? AI vs ML [Link]

Tutorial – 1: What is Machine Learning? A Friendly Introduction for Aspiring Data Scientists and Managers, AnalyticsVidhya [Link]
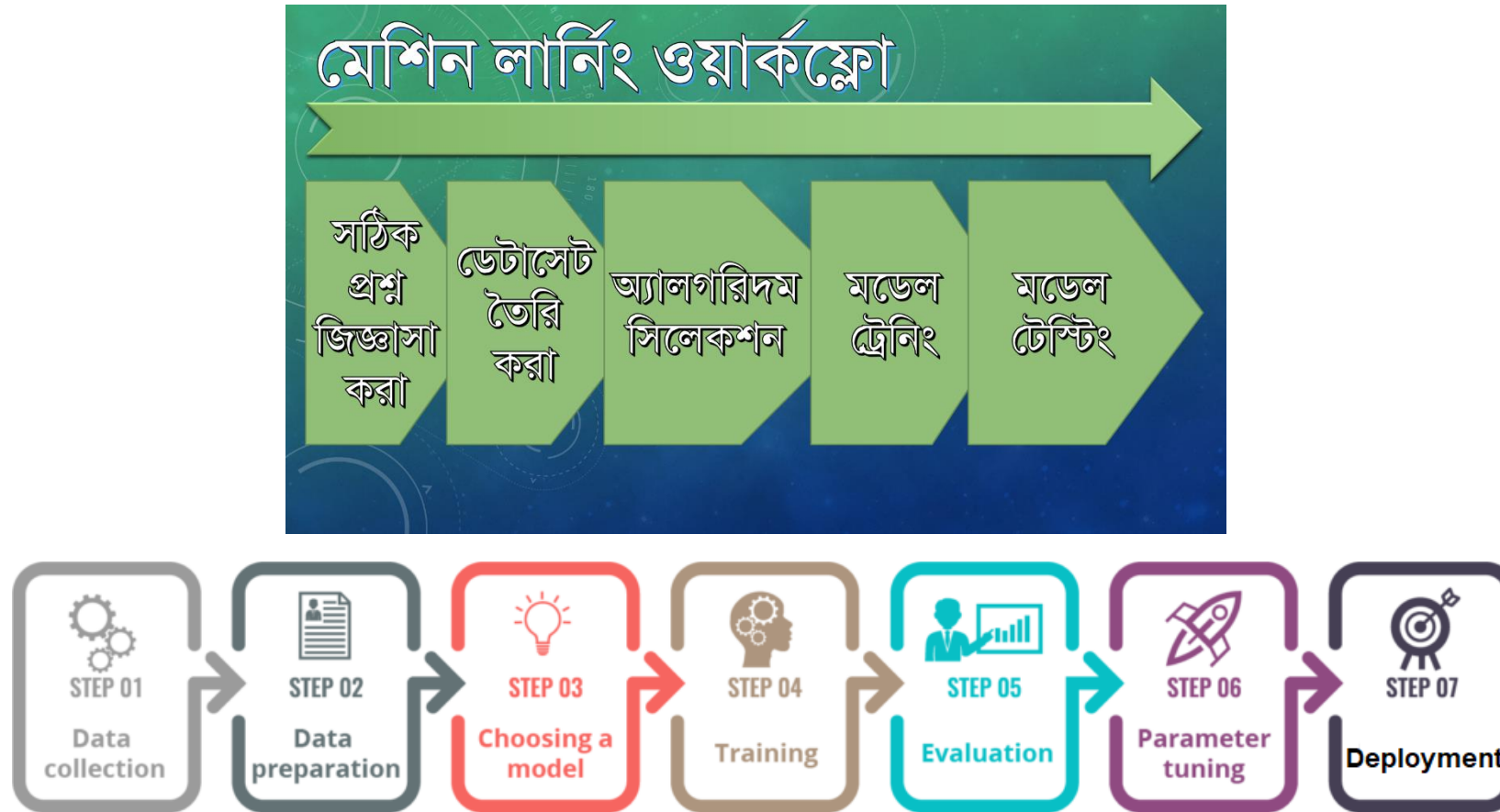
Introduction to Machine Learning (ML)

Tutorial – 2: ML vs Traditional Programming, Guru99 [Link]

Tutorial – 3: Introduction to Machine Learning for Beginners, Towards Datascience [Link]

Tutorial – 4: An Introduction to Machine Learning Theory and Its Applications: A Visual Tutorial with Examples, Toptal [Link]

Tutorial – 5: A Gentle Guide to Machine Learning, MonkeyLearn [Link]

Workflow of Machine Learning

Comprehensive Learning Path of ML/Data Science in Python

Step 1: Setting up your machine

Step 2: Learn the basics of Python language

Step 3: Learn Regular Expressions in Python

Step 4: Learn Scientific libraries in Python – NumPy, SciPy, Matplotlib and Pandas

Step 5: Effective Data Visualization

Step 6: Learn Scikit-learn and Machine Learning

Step 7: Practice, practice and Practice

Source: AnalyticsVidhya [Link]

Learning Materials for ML

1. বাংলায় পাইথন প্রোগ্রামিং বই: সুবীন [Link], মার্টিন[Link], Nuhil Mehdy [Link]

2. Introduction to Python Course by AnalyticsVidhya [Link]

3. Python for Data Science Course by IBM [Link]

4. A Complete Python Tutorial to Learn Data Science from Scratch [link]

5. শূন্য থেকে পাইথন মেশিন লার্নিং [Link], হাতে কলমে মেশিন লার্নিং [Link] by রকিবুল হাসান

6. বাংলায় মেশিন লার্নিং [Link] by মানস কুমার মণ্ডল

7. Machine Learning on Youtube

Example Projects

Iris classification [Link1, Link2]

Machine Learning-Let's Get Started [Link]

Your First Machine Learning Project in Python Step-By-Step [Link]

24 Data Science Projects To Boost Your Knowledge and Skills [link]

6 Complete Machine Learning Projects [Link]