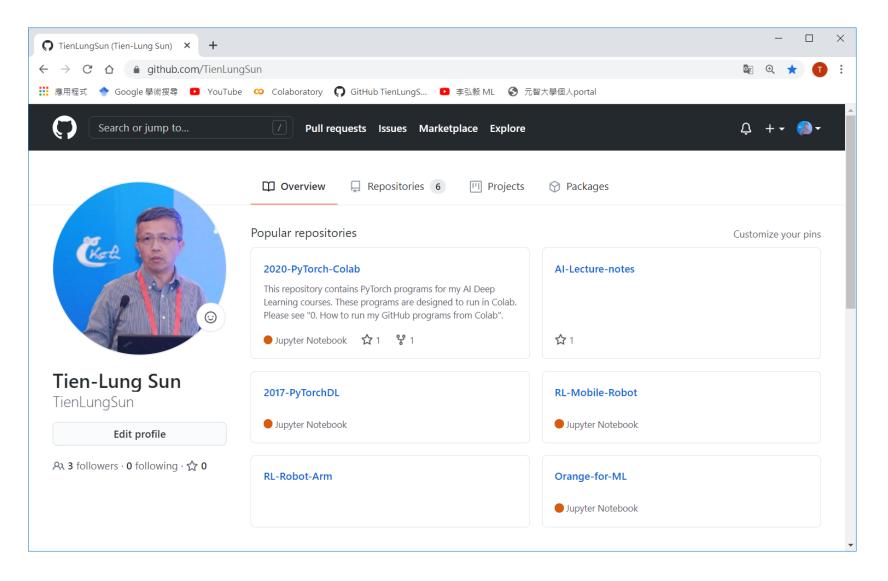
元者大學卓越·務實·宏觀·圓融



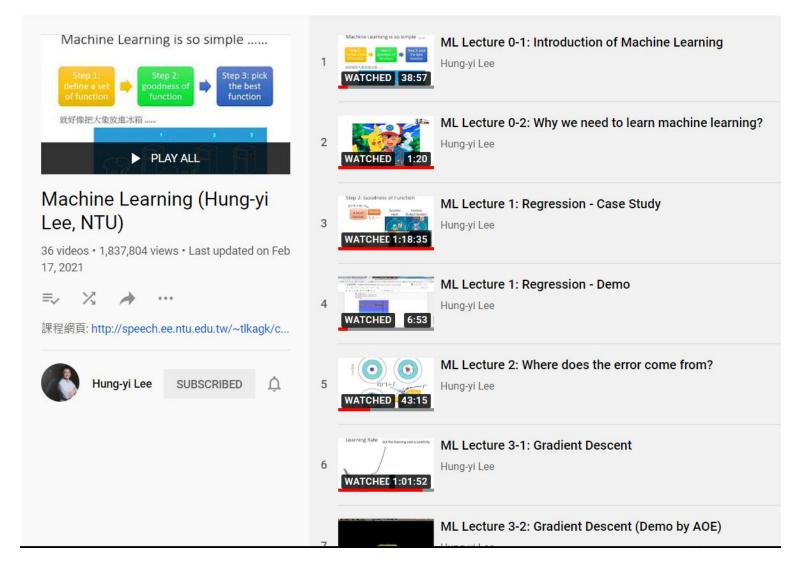
Introduction to Deep Learning – Concepts and PyTorch Development

Tien-Lung Sun, Dept. of Industrial Engineering and Management, Yuan-Ze University 孫天龍 元智大學 工業工程與管理系 教授

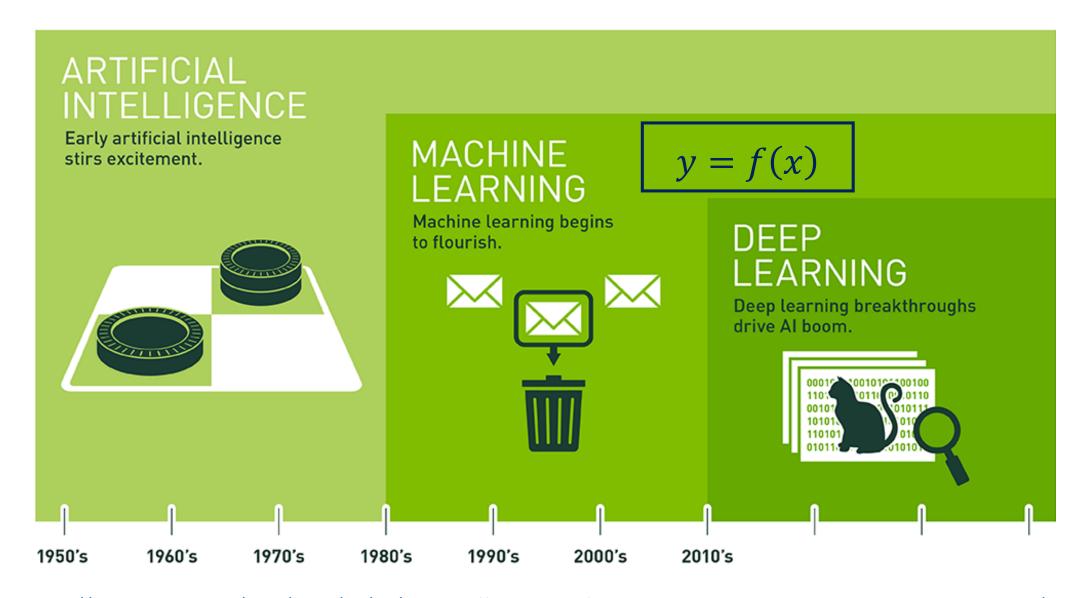
Open source class materials at GitHub



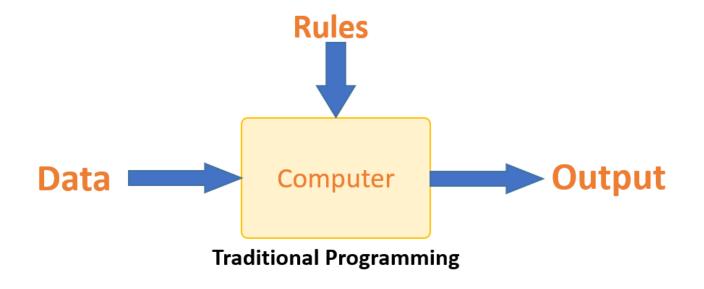
Acknowledgement

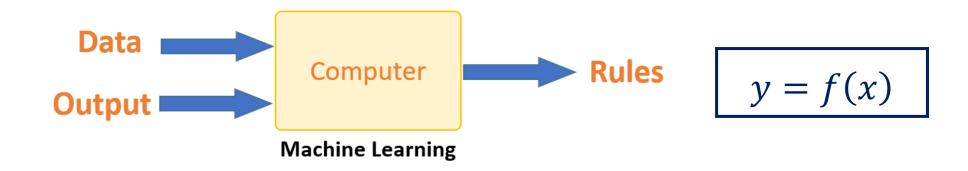


AI, ML and DL

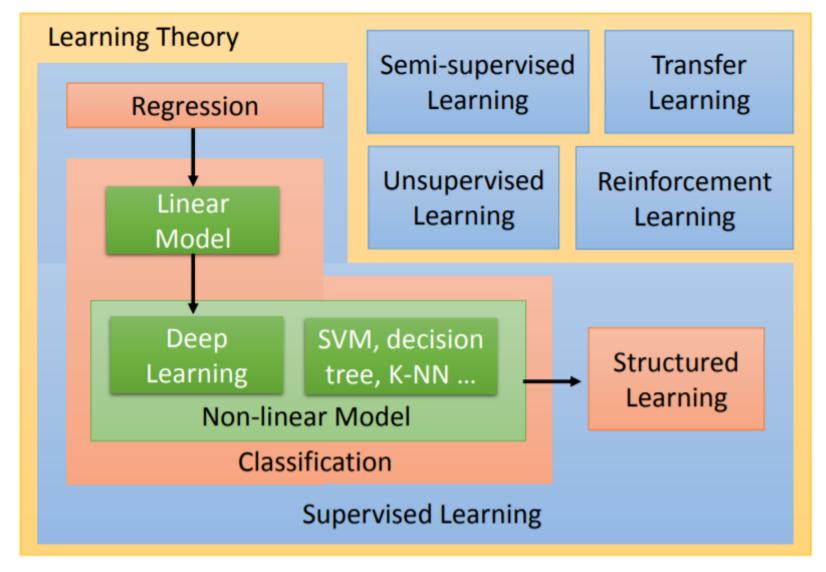


Traditional programming vs machine learning



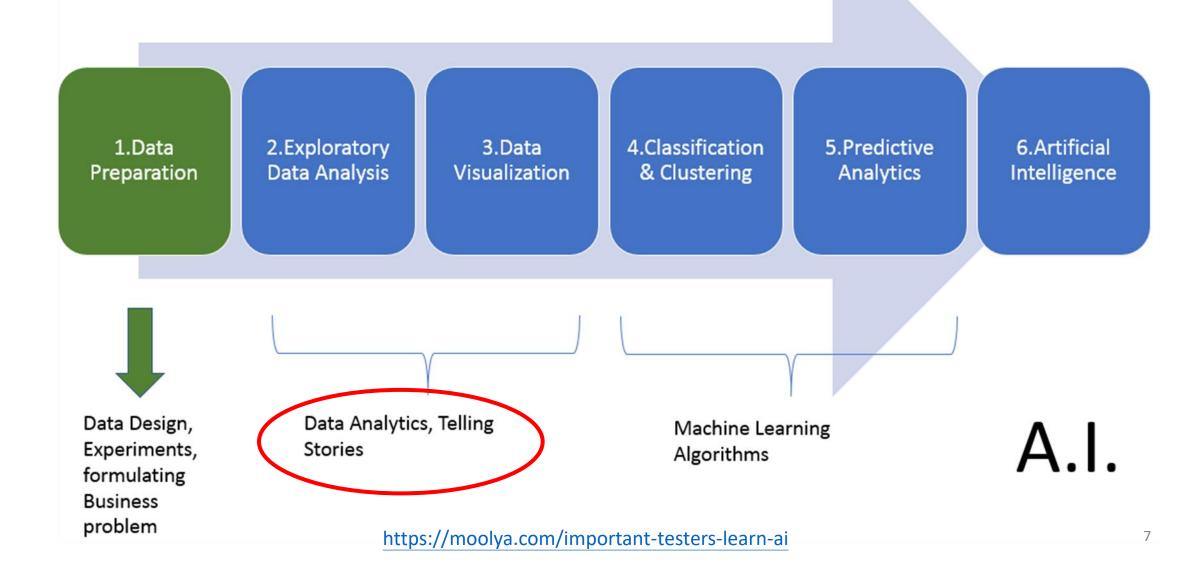


ML strategies



Data visualization

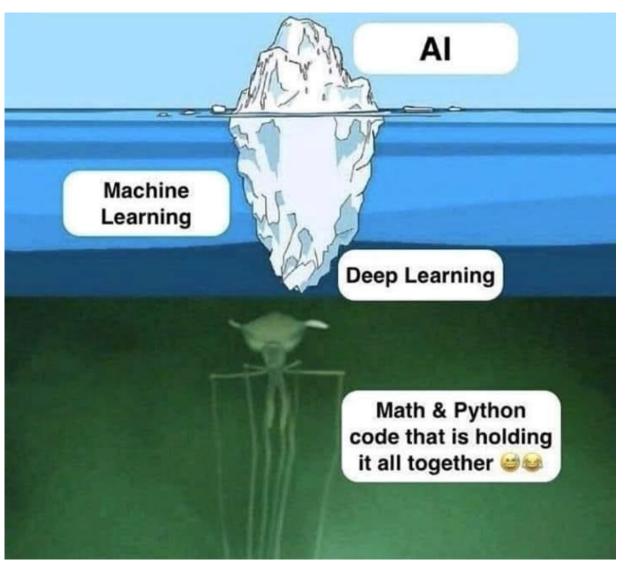
Interactively visualize and explore your data before Al



Data preparation for ML

- ...Data Cleaning to delete duplicate rows are redundant columns
- ...Outlier Detection and removal
- ... Missing Value identification and imputation
- ...Feature Selection with statistics and models
- ...Feature Importance with models
- ...Data Transforms to change data scales, types, and distributions
- ...Dimensionality Reduction to create low-dimensional projections

Math + Python coding



Python development







