

# DLI Accelerated Data Science Teaching Kit

Latest Release Note (Nov. 12<sup>th</sup>, 2024)

- Updated online [syllabus](#) with new content below
- Addition of module lab solutions for new modules below. **Note: for educators with an existing git clone obtained before Nov. 12<sup>th</sup>, 2024, we strongly recommend performing a fresh clone instead of a git pull to obtain the updated [repo](#).**
- **Updated! Module 1: Introduction to Data Science**
  - **Updated!** Lecture Slide Deck 1.1 – Teaching Kit Modules Overview
  - **New!** DLI Online Course: [Accelerate Data Science Workflows with Zero Code Changes](#)
- **Updated! Module 11: Scalable Computing (Spark)**
  - **New!** DLI Online Course: [RAPIDS Accelerator for Apache Spark](#)
- **Updated! Module 13: Scalable Computing (Dask and UCX)**
  - **Updated!** Lecture Slide Deck 13.1 - Using Dask and UCX with RAPIDS
- **Updated! Module 14: Machine Learning (Classification)**
  - **Updated!** Lecture Slide Deck 14.4 - RAPIDS Acceleration: Linear Regression
  - **Updated!** Lecture Slide Deck 14.10 - RAPIDS Acceleration: Random Forest
- **Updated! Module 15: Machine Learning (Clustering and Dimensionality Reduction)**
  - **Updated!** Lecture Slide Deck 15.3 - RAPIDS Acceleration: KMeans
- **Updated! Module 16: Neural Networks**
  - **New!** DLI Online Course: [Building A Brain in 10 Minutes](#)
- **Updated! Module 17: Graph Analytics**
  - **New!** DLI Online Course: [Introduction to Graph Neural Networks](#)
- **Updated! Module 21: CPU vs. GPU-accelerated Data Science**
  - **Updated!** Lecture Slide Deck 21.1 - GPU Accelerating Your Workflows
  - **Updated!** Lecture Slide Deck 21.2 - Refactoring Workloads
  - **New!** Lab: Introduction to NetworkX Accelerated by NVIDIA cuGraph
  - **New!** Lab: Introduction to GPU Accelerated Pandas
  - **New!** Lab: Introduction to the Polars GPU Engine