# **HPE AI and Machine Learning**





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## **HPE AI and Machine Learning**

### **Course Modules**

#### 1. Understand Machine Learning & Deep Learning Fundamentals

- o Machine learning technology evolution
- o Machine learning and deep learning model training
- o Consideration of issues data scientists confront durg model traing
- o Standard tools and frameworks for deep learning pipelines
- o Hyperparameter optimization (HPO)
- o Distributed (multi-GPU) training

### 2. Describe HPE Machine Learning Solutions' Value Proposition

- o HPE Machine Learning Data Management value proposition
- o HPE Machine Learning Dvlpmnt Environment value proposition
- o Common customer challenges in deep learning
- o A high-level look at how HPE Machine Learng Data Mngmnt
- o Development Environment address these challenges
- o Where HPE machine learning solutions fits in the market
- o HPE Machine Learning Data Management & HPE Machine Learng
- o Distinguishing features of HPE Machine Learng Dvlpment Systems

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#### 3. Using HPE Machine Learning Data Management Capabilities

- o Repos and their data versioning and data lineage capabilities
- o Pipelines and ways to use them

### 4. HPE Machine Learning Devipmnt Environment to Train Models

- o HPE Machine Learning Devlpmnt Envrnmnt software architecture
- o Flexible optns for software-only dplymnt on on-prem servers
- o Intro to traing a modl on the HPE Machine Learning Dvlpmnt
- o Detailed AI and Machine Learning training concepts
- o Using HPE Machine Learning Development Environment
- o Concepts and the relationships betw workloads, trials, & exprmnts

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- o Scheduling concepts
- o Model registry

### 5. Qualifying Customers and Running a Demonstration

- o Qualifying customers for an HPE Machine Learning Envrnmnt
- o Qualifying customers for an HPE Machine Learning Development
- o Running a demonstration

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The efficiency of online learning in terms of time management, flexibility, and the ability to access resources anytime, anywhere can be compelling.



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