

Processing Big Data with MATLAB

Prerequisites

MATLAB for Data Processing and Visualization, or equivalent experience using MATLAB

Day 1 of 1	
Prototyping Big Data Algorithms	<p>Objective: Applying existing algorithms to data sets that do not fit into memory.</p> <ul style="list-style-type: none">Importing data using datastoresCreating tall arraysRunning algorithms on tall arraysOptimizing code for tall arraysReading data from cloud environments
Handling Custom Data and Algorithms	<p>Objective: Importing custom formatted data and applying algorithms that are not implemented for tall arrays</p> <ul style="list-style-type: none">Importing custom formatted data using file datastores and custom datastoresPartially importing single filesApplying transformations, reductions, and moving window operations to tall arrays
Working with Clusters and Clouds	<p>Objective: Run big data algorithms on a cluster of computers or on cloud environments.</p> <ul style="list-style-type: none">Local and remote clustersCluster discovery and connectionSetup of a cluster on a cloud environmentFile access considerations