

MATLAB for Data Processing and Visualization

Prerequisites

MATLAB Fundamentals

Day 1 of 1	
Importing Data	<p>Objective: Read text files that contain a mixture of data types, delimiters, and headers.</p> <ul style="list-style-type: none">Import a mixture of data types from arbitrarily formatted text filesImport only required columns of data from a text fileImport and merge data from multiple files
Processing Data	<p>Objective: Process raw imported data by extracting, manipulating, aggregating, and counting portions of data.</p> <ul style="list-style-type: none">Process data with missing elementsCreate and modify categorical arraysAggregate, bin, and count groups of data
Customizing Visualizations	<p>Objective: Annotate and modify standard plots to produce informative customized graphics.</p> <ul style="list-style-type: none">Determine properties of graphics objects and their associated valuesLocate and manipulate graphics objectsCustomize plots by modifying properties of graphics objects
Working with Irregular Data	<p>Objective: Import and visualize scattered data from text files with irregular formatting.</p> <ul style="list-style-type: none">Parse text files to determine formattingImport data from separate sections of a text fileExtract data from container variablesInterpolate irregularly spaced three-dimensional dataVisualize three-dimensional data in two and three dimensions