Introduction

MATLAB® Fundamentals for Aerospace Applications
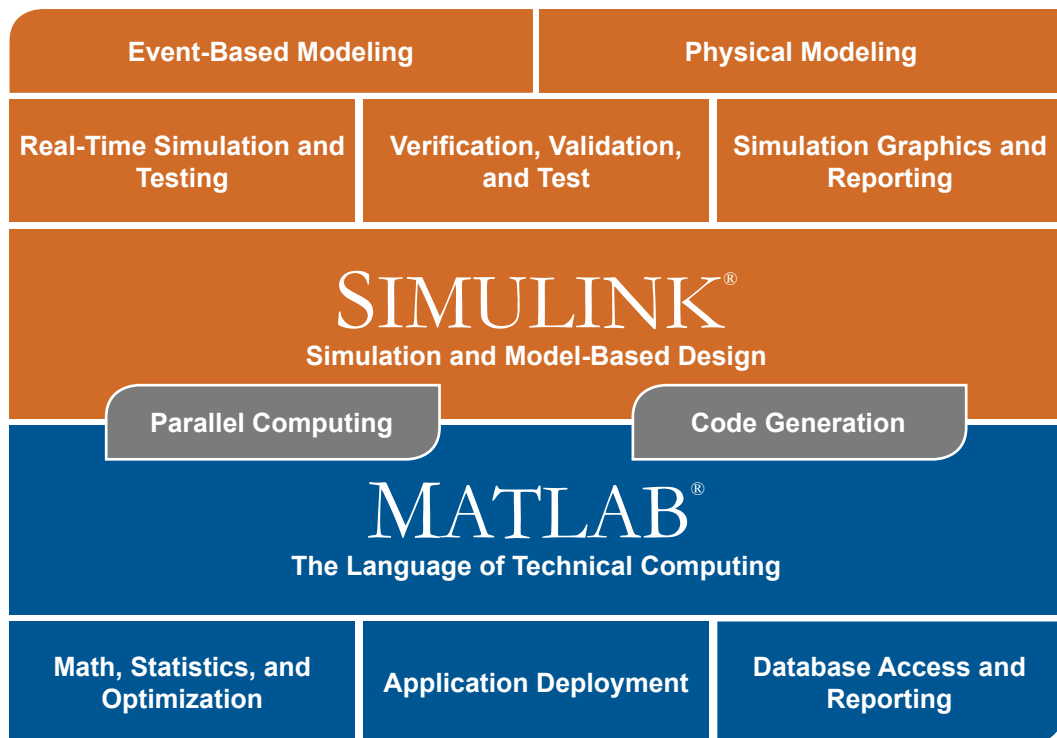
MathWorks® | Training Services
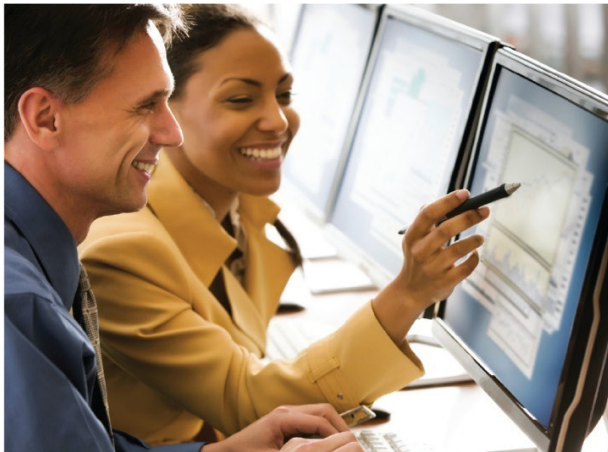
MathWorks® at a Glance

- Over 4000 employees worldwide

- More than 2 million users in 180+ countries
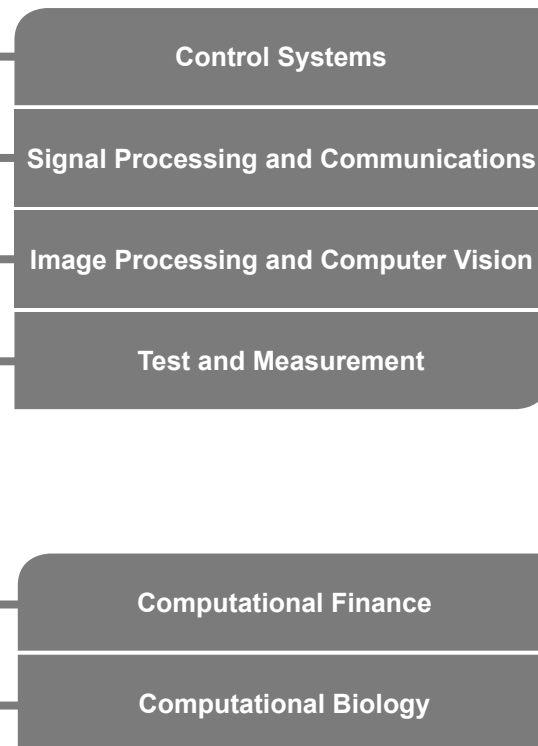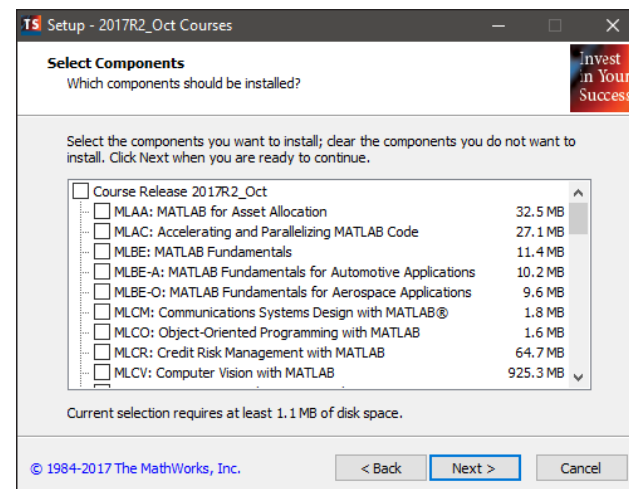
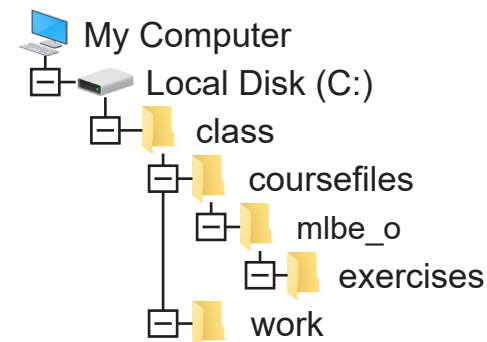- Used by over 5000 universities worldwide
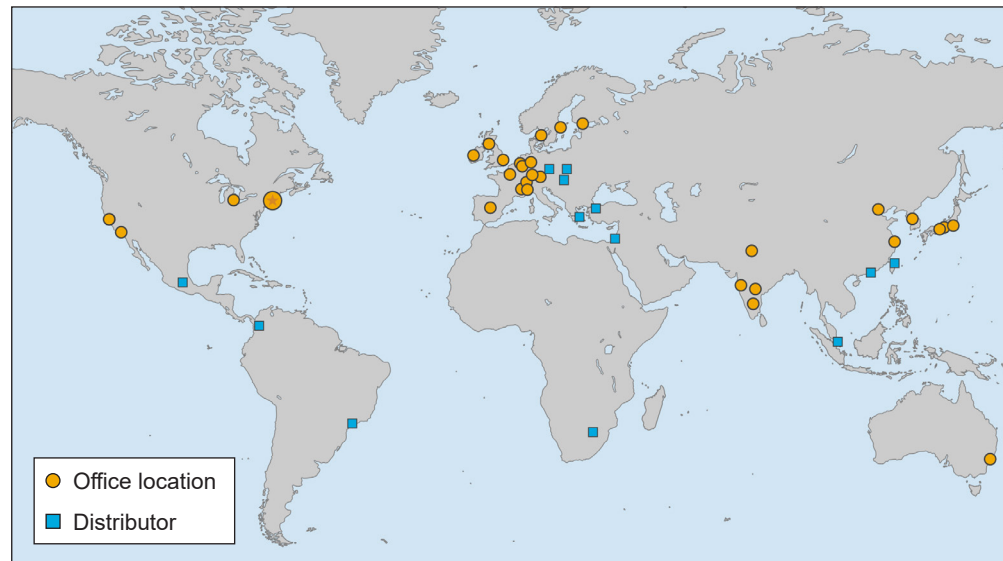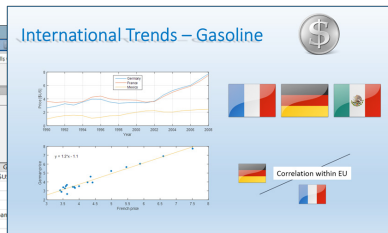
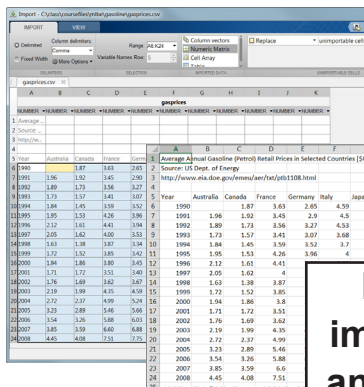# MathWorks® Product Overview

Computer Setup

1. Put the DVD in the DVD drive or plug in the USB drive.

2. Installer application will open automatically.

3. Follow the directions on the installer interface. A shortcut will be created on your desktop to start MATLAB for this class.

READY FOR CLASS!
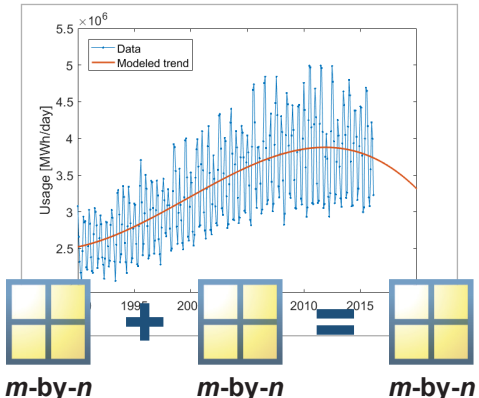
What Can You Do with MATLAB®?

Interactively import, analyze, and export data.

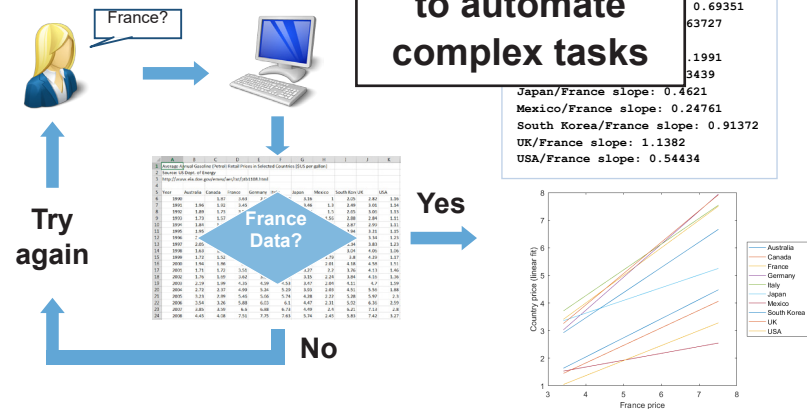Perform calculations and analysis on data sets

Create informative data visualizations
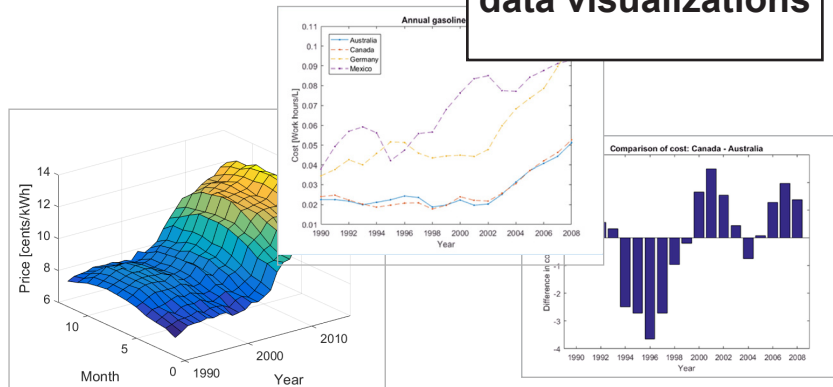
Write programs to automate complex tasks

Course Outline

Day 1

- Introduction
- Working with the MATLAB® User Interface
- Variables and Commands
- Analysis and Visualization with Vectors

Day 2

- Analysis and Visualization with Matrices
- Tables of Data
- Conditional Data Selection
- Organizing Data

Day 3

- Analyzing Data
- Increasing Automation with Programming Constructs
- Increasing Automation with Functions
- Conclusion

Appendices

- MATLAB® Reference
- Exercises

MathWorks® | *Training Services*