

Matlab Training Outline

The training is designed to turn you into an above average/intermediate user of Matlab. The training is suitable for beginners or those who have a basic knowledge about Matlab. The training main prerequisite is to have a solid background about basic statistics. No prior programming experience is necessary.



Matlab basics:

- 1- Installation, loading files, importing and exporting.
- 2- Data types and reading data files.
- 3- Creating variables and graphing

Getting started:

- 1- Matlab functions, codes creation and execution.
- 2- Main operations: functions, loops, arrays, vectors, matrices and conditional statements.

Getting confident with statistics:

- 1- Using Matlab GUI tools
- 2- Managing data, summary of statistics, ANOVA, and performing tests of significance
- 3- Fitting regression models, generating random numbers and performing simulations.