

# Abstract

DATAPLOT is an interactive, command driven language for graphics, fitting, general data analysis, and mathematics. DATAPLOT commands are high-level, English-syntax, and self-descriptive (e.g., PLOT Y X). The three core commands in DATAPLOT are PLOT (for graphics), FIT (for fitting), and LET (for function operations). This document is a reference manual for the various commands available in DATAPLOT. A reference manual for the LET subcommands and library functions are contained in a separate document.

For convenience, the commands are divided into the following parts:

1. graphics commands;
2. analysis commands;
3. plot control commands;
4. support commands;
5. diagrammatic graphics commands;
6. output devices commands;
7. keywords;
8. I/O commands;
9. SET subcommands.

Each command is documented individually (alphabetically within a section). The purpose, syntax, and examples are provided for each command. The documentation for most of the commands also include a sample program (with corresponding output and plots). This manual is intended to be a complete reference for users with some prior experience with DATAPLOT. A tutorial reference for novice users will be addressed in a separate document.

A few chapters discuss general topics such as color, graphics attributes, text attributes, and on-line data and example program files.