

Statistics 335 – Introduction to Quantitative Methods

Instructor: Dr. Mark Irwin
Office: Science Center 603
Phone: 617-495-5617
e-mail: irwin@stat.harvard.edu

Office Hours: Tuesday 2:30 – 3:30, Friday 1 – 2,
or by appointment
Web site: <http://www.courses.fas.harvard.edu/~stat335/>

Objectives

The objective of this course are:

- To examine the use of software useful to graduate students in the Department of Statistics.
- Software to be discussed

Unix / Linux
S-Plus / R
Matlab
SAS (hopefully)
LaTeX
plus others as time permits

Prerequisites

None. Some programming experience in C, C++, or Fortran could be helpful.

Lectures

Thursday, 2:30 – 4:30 SC 706

Grading

Course grades will be determined by these components, with approximate weights as shown:

Homework	60 %
Term Project	40 %

Suggested References:

Splus / R:

Venables WN and Ripley BD (2002). Modern Applied Statistics with S (4th edition), Springer-Verlag.

Venables WN and Ripley BD (2002). S Programming, Springer-Verlag

Krause A and Olson M (2002). Basics of S-PLUS, Springer-Verlag.

Matlab

Hanselman D and Littlefield BR (2000). Mastering Matlab 6, Prentice Hall

Marchand P (1999). Graphics and GUIs with MATLAB, (2nd edition), CRC Press.

SAS

Delwiche, L.D. and Slaughter, S.J (1996). The Little SAS book - a primer (2nd edition), by, The SAS Institute.

Unix

Fiamingo FG, DeBula L, and Condron L (1998). Introduction to Unix.
<http://wks.uts.ohio-state.edu/unix_course/unix_book.pdf>. Will be available from class web page.

LaTeX

Lamport L (1994). LaTeX: A Document Preparation System (2nd edition), Addison Wesley

Goosens M, Mittlebach F, and Samarin A (1993). The LaTeX Companion, Addison Wesley