ST 745–001: Analysis of Survival Data

Spring, 2005

Textbook

Lecture notes
Lecture notes can be downloaded from the class web site: http://www4.stat.ncsu.edu/ dzhang2/st745/index.html

Class Hours
Tu & Th 2:35 - 3:50

Location
Room 00110 Polk Hall

Instructor
Dr. Daowen Zhang
203 B Patterson
515-1933

Office Hours
3:00 - 4:00 MWF or by appointment

Teaching Assistant
TBA

Office Hours
TBA

Evaluation
Homework (will be given about every 10 days): 15%
Mid-term (in-class, open-book & open-note, to be given around Spring break): 35%
Final (comprehensive, in-class, open-book & open-note, 1:00 - 4:00, 5/3/2005, Tuesday): 50%

References
1. J.F. Lawless, Statistical Models and Methods for Lifetime Data, Wiley, 1982. (this is a more technical reference)
2. Therneau, T.M. and Grambsch, P.M., Modeling Survival Data: Extending the Cox Model (the website http://www.mayo.edu/hsr/people/therneau/book/book.html contains additional materials such as data sets and software)

Software
SAS: Proc Lifetest, Lifereg, Phreg.
R: lifetab(), survfit(), survdiff(), survreg(), coxph().