

ST 745–001: Analysis of Survival Data

Spring, 2005

Textbook	<ol style="list-style-type: none">1. Survival Analysis: Techniques for Censored and Truncated Data (2nd edition) by John P. Klein and Melvin L. Moeschberger (the website http://www.biostat.mcw.edu/homepgs/klein/book.html contains some data sets and SAS macros used in the book)2. Survival Analysis Using The SAS System: A Practical Guide by Paul D. Allison (data sets and macros used in the book can be found from http://www.sas.com/apps/pubscat/bookdetails.jsp?catid=1&pc=55233)
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	<ol style="list-style-type: none">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)3. W.N. Venables and B.D. Ripley, Modern Applied Statistics with S-PLUS, 2nd edition, Springer 1997.
Software	SAS: Procs Lifetest, Lifereg, Phreg. R: lifetab(), survfit(), survdiff(), survreg(), coxph().