FALL 2002
STATISTICS 700A

Textbooks: (MMV) Generalized Linear Models
R. H. Myers, D. C. Montgomery, G. G. Vining WILEY

(MS) Generalized, Linear, and Mixed Models
C. E. McCulloch and S. R. Searle WILEY

References: (HL) Applied Logistic Regression
D. W. Hosmer and S. Lemeshow, WILEY
Allison(1991), SAS and S-PLUS Manuals

Instructor: Dr. Nagaraj K. Neerchal
Contact: MP 437, 410-455-2437 nagaraj@math.umbc.edu

Syllabus
Review of Maximum Likelihood Estimation Ch. 1 of MS
Review of Linear and Nonlinear Regression Models Ch. 1-3 of MMV
Ch. 3, 4 of MS
Logistic Regression Models Ch. 4 of MMV
Ch. 1-5 of HL
Poisson Regression Models Ch. 5 of MMV
Estimation of Generalized Linear Models Ch 5, 10 of MS
Generalized Estimating Equations Ch. 6 of MMV
Intro to Generalized Linear Mixed Models Ch. 6 and 8 of MS
Selected topics from
Ch. 7 of MMV and
Ch. 7 of MS
Grading Scheme

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