Stat 596  INTER STAT METHODS

Instructor:

Name: Minge Xie
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Office: 565 Hill Center
Office hours: By appointment

Lectures:

Thursday 12:05pm - 3:55pm (10 mins break in between),
Hill 124 (Busch Campus)

Text/Reference books:

— Venables, W.N. and Ripley, B.D.,
   Modern Applied Statistics with S-Plus (Springer)
— Will be provided in class

Grading:

Homeworks (including assigned readings), one final exam (take home or close book) and in-class presentation

Syllabus and Emphasis:

The emphasis of this course will be on various regression models, including linear, glm, and nonparametric models. Statistical software package R (www.r-project.org) is required. Topics covered in this course include:

   Histogram and density estimation
   Linear regression models
   Generalized linear models
   Nonlinear models
   Nonparametric regression
   Random effects and fixed effects models
   EM algorithm/Missing data/Latent variable models (if time allows)