I. General Information

Lecture: TTh 9:30-10:45 am, EBA 441
Course web page: rohan.sdsu.edu/~jjfan/sta680b
and http://blackboard.sdsu.edu

Instructor: Juanjuan Fan, PhD
Office: GMCS 519
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Office Hours: TTh 8:30-9:20 am

by Hosmer DW, Lemeshow S, and Sturdivant RX (2013), Wiley

References:
1. Understanding Bioinformatics
   by Zvelebil M and Baum J (2007), Garland Science
2. Analysis of Categorical Data with R
   by Bilder CR and Loughin TM (2014), CRC Press
3. Multilevel Modeling Using R

Prerequisites: Stat 680A and Graduate Student status

Grading: Homework: 15%
Two midterms: 50% (25% each)
Class participation and presentation: 10%
Final project: 25%

Note that any regrading request on homework or exams has to be made within one week after the paper is returned.

Homework and exams:
Late assignments will not be accepted.
NO early or makeup exams are given - no exceptions.

II. Other Information

1. Homework assignments and solutions will be posted on blackboard and will be collected at the beginning of the class on the due date.
2. There will be two in-class mid-term exams on Tuesday, March 10 and Thursday, May 7.

3. You will be asked to do a final project (in lieu of a final exam). You will be asked to present your findings during the last two weeks of classes. In addition, a written report will be due by Wednesday, May 13 at mid-night (using turnitin in blackboard).

4. Due to concerns of computer viruses, I ask that you hand in all your assignments as a hard copy. No electronic copies will be accepted.

III. Tentative Course Content

1. Clinical trials: randomized controlled trials, intent to treat, cross-over studies

2. Logistic regression

3. Modern biostatistics and bioinformatics