

**Statistics 659 - Assignment 11**  
(due Tuesday, May 3, 2016, 11:59pm)

**Instructions:**

- Whether you write out the solutions by hand or in a text document, be sure that they are *neat, legible and in order* (even if you choose to solve them in a different order).
- **Type** your name, email address, course number, section number and assignment number at the top of the first page (or cover page).
- Either scan or print your solutions to a **PDF** file under 15MB in size. It must be in a *single* file, not separate files for separate pages. Name the file using your name (for example, I could use twehrly659hw01.pdf) to avoid confusion with other students and/or assignments. *Do not* take a photo of each page and then paste them into a document – this will make your file too big and the results will generally not be very readable anyway.
- Login to your WebAssign account to upload your file. You must do this by **11:59 pm U.S. Central time**, *according to the WebAssign server*, on the due date. We highly recommend that you start the upload at least 15 minutes earlier. You can make multiple submissions but *only the last submission will be graded*.

This assignment covers the material from Chapters 8 discussed in Lectures 36-40.

Answer the following problems from Agresti:

8.2, 8.3, 8.5, 8.6, 8.7, 8.11

8.13 abc

d. Test marginal homogeneity using the likelihood ratio test for the baseline category logit model and also by using Bhapkar's test (slide 14).

8.14, 8.16 (can be less than 2 pages), 8.17 (can be less than a page), 8.19, 8.20, 8.22, 8.23

(Only for students having taken STAT 414, 610 or STAT 630) 8.27