

Midterm 2005-02-09, 5:00 PM
Due 4:00 PM, Monday 2005-02-14

- I. Each problem is 10 points unless stated otherwise
 - II. Make MS Word document with name "last_name, first_name.doc" (e.g. "kwon, jaimie.doc").
 - III. Include (a) typed answers, (b) cut-and-pasted computer codes and outputs, and (c) computer plots. Use any software you can.
 - IV. Attach the file to an email with subject line "stat 6841, midterm" (nothing else please; no message body)
 - V. Submit paper output and email your answers to me by the due date. Late works won't be graded.
 - VI. Minimize comment in the MS Word document. Typical headings (title, date, and author) and question numbers are enough.
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- 1 Do exercise 5.2 of Agresti. Note that in addition to what's described in the book:
 - a) Plot the figure with 95% CI in (a)

 - 2 Do exercise 5.22 of Agresti.
 - a) Again, draw 95% CI and the curve for (a).
 - b) Also draw the plot like Figure 5.5 for weight (instead of width) and color both assuming interaction and assuming no interaction.
 - c) For problem (d), how can you visualize your result? (Try it if you can.)